

SIRENA 2008/2009





Linea acustica luminosa

Acoustic luminous range

Ligne acoustique lumineuse

Akustische und optische Linie

Línea acústica luminosa

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from page 1 to page 117
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Linea luminosa a LED integrati

LED integrated luminous range

Ligne lumineuse à LEDS intégrées

Optische Linie mit integrierten LED

Línea luminosa de LED'S integrados

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Linea colonne luminose

Luminous towers range

Ligne colonnes lumineuses

Lichtsäulen Linie

Línea columnas luminosas

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Linea lampade a LED

LED bulbs range

Ligne ampoules à LEDS

LED-Leuchtmittel Linie

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Linea EX-D

EX-D range

Ligne EX-D

EX-D Linie

Línea EX-D

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*Una sirena che suona,
una luce che lampeggi...
comunicazioni
non verbali ma comunque **efficaci...**
...è il linguaggio
della **segnalazione.***

Fabbricare suoni e luci: in questo consiste l'arte di produrre segnalazione acustica ed ottica ed è questa la missione che SIRENA da oltre trent'anni persegue con grande esperienza e professionalità, distinguendosi per l'elevato livello di specializzazione maturato in questo ambito.

Su di un'area di 27.000 mq., l'azienda svolge la sua attività producendo circa 2 milioni di dispositivi acustici ed ottici all'anno destinati a due importanti canali: il settore INDUSTRIALE ed il settore AUTOMOTIVE.

Il primo tocca svariati ambiti dell'industria come l'automazione, la robotica, la quadristica, il settore sicurezza in aree pericolose, i sistemi di allertamento ed evacuazione.

Il secondo invece riguarda la segnalazione a bordo veicolo e quindi sia su mezzi d'opera, mezzi agricoli, movimento terra che su mezzi prioritari e di soccorso. Due mondi completamente diversi e staccati, ma accomunati da un'unica esigenza: la segnalazione.

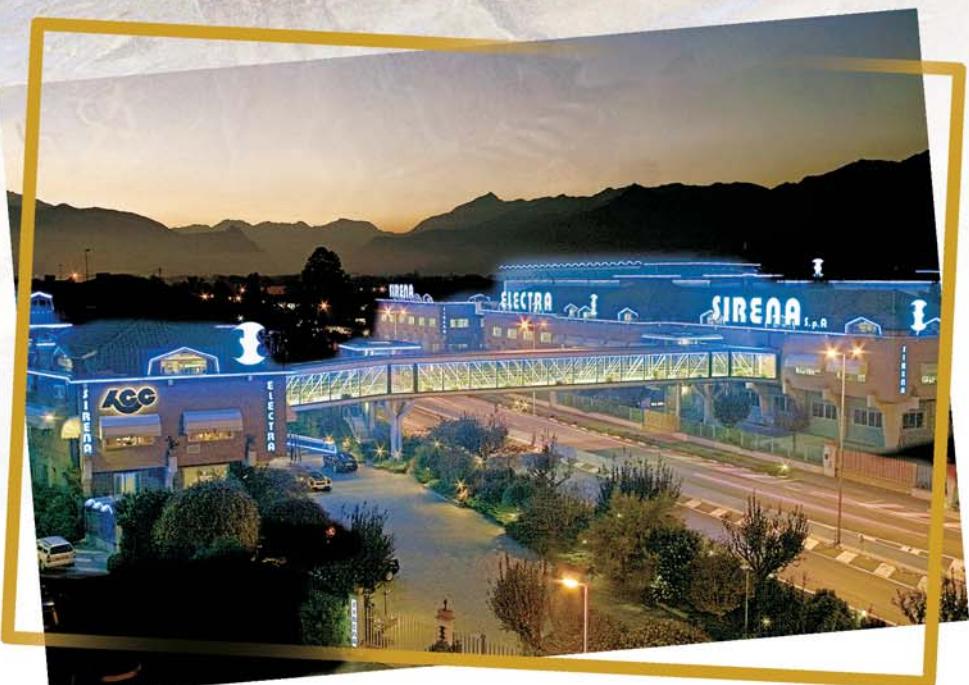
In particolare per quanto concerne il settore industriale, grazie ad un **centro di ricerca e sviluppo interno e all'avanguardia**, sono state sviluppate gamme di prodotti che soddisfano ogni esigenza di segnalazione acustica ed ottica, anche integrata, per ogni tipo di applicazione, utilizzando **moderne tecnologie** sia sotto il profilo dell'elettronica che delle fonti luminose a LED di ultima generazione impiegate nelle linee dedicate in particolare all'automazione e alla quadristica.

Un esempio per tutti le nuove quattro colonne luminose componibili a LED della serie TWS, MINI TWS - BABY TWS - MICRO TWS - NANO TWS, con le quali SIRENA consacra nel 2008 la sua posizione di leader **fra i più importanti costruttori a livello internazionale.**

L'organizzazione aziendale consta attualmente di 200 dipendenti, 14 agenzie sul territorio nazionale con 1.200 distributori e 250 importatori europei ed extraeuropei per il mercato estero.

SIRENA è oggi **presente in 65 paesi nel mondo** e collabora con prestigiosi marchi di riferimento sia nel settore elettrotecnico che in quello del primo impianto automotive.

Sirena ovunque
è sinonimo di **sicurezza**
nella **segnalazione.**





*The sound of a siren ,
alert by a flashing light...
.... two effective
methods of warning signal
communication...
...Sirena, the universally
reliable solution
in signalling.*

The creation of sound and light signifies the art of producing audible and visual signalling devices; a goal that SIRENA has been following over the past thirty years with great expertise and professionalism. This high level of specialization in the signalling field has renowned SIRENA all over the world.

In an area expanding 27.000 sq. mtrs, SIRENA produces approx. 2 million audible and visual warning devices per year that are distributed in two important market sectors: the **INDUSTRIAL** market and the **AUTOMOTIVE** market.

The industrial market includes the following sectors: automation, robotics, control panels, security in dangerous zones as well as warning and evacuation systems.

The automotive market on the other hand relates to vehicle signalling that means therefore installation on: excavators, agricultural and earth moving machines as well as priority and emergency vehicles.

Two completely different worlds with the same common requirement: signalling devices.

With regard to the industrial sector specifically, SIRENA has developed ranges of products in its own **Research & Development Centre** satisfying all audible, visual and combined signalling requirement for all types of applications. **Advanced electronic technology** is used together with the latest generation of LED lights especially in the automation and control panel sectors.

In 2008 SIRENA confirms its **leader position among the most important international manufacturers** with the exemplary new series of stackable LED towers TWS, MINI TWS – BABY TWS – MICRO TWS – NANO TWS.

SIRENA currently employs 200 employees, 14 agencies in Italy with 1.200 distributors and 250 European and non-European importers in the overseas market.

Today SIRENA distributes in 65 countries all over the world working together with prestigious brand names in both the electro-technical and first equipment automotive sectors.

Sirena
is synonymous with
reliable
signalling
worldwide.





*Une sirène qui sonne,
une lumière qui clignote...
.... Une communication
sans mots mais efficace...
...C'est le langage
de la signalisation.*

Créer du son et de la lumière: c'est l'art de produire la signalisation acoustique et lumineuse. C'est le but que Sirena s'est fixé depuis trente ans avec un savoir faire et une technologie pointue dans ce domaine.

Sur une surface de 27.000 m², l'entreprise développe son activité en produisant 2 millions de dispositifs acoustiques et lumineux par an, destinés à deux importants créneaux: le secteur INDUSTRIEL et le secteur AUTOMOBILE.

Le secteur industriel concerne l'automation, la robotique, les tableaux électriques, la sécurité en zones dangereuses, les systèmes d'alerte et d'évacuation. Le secteur automobile concerne la signalisation à bord des véhicules de travaux publics, agricoles, excavateurs, véhicules prioritaires et de secours.

Deux mondes totalement différents mais qui ont en commun une exigence unique: la signalisation.

Sirena est équipé d'un centre de recherche et de développement d'avant-garde qui permet de créer, dans le secteur industriel, des gammes de produits qui répondent à toutes les exigences en matière de signalisation lumineuse et acoustique pour tout type d'application.

Des technologies modernes sont développées, aussi bien dans le domaine de l'électronique que dans les sources lumineuses à LED et sont spécialement employées dans l'automation et les panneaux électriques.

Prenons pour exemple les nouvelles colonnes lumineuses composites à LED de la série TWS, MINI TWS – BABY TWS – MICRO TWS – NANO TWS, avec lesquelles Sirena atteint en 2008 sa position de leader parmi les plus importants constructeurs au niveau international.

L'organisation de l'entreprise compte 200 employés, 14 agences sur le marché national, 1.200 distributeurs et 250 importateurs européens et internationaux pour le marché export.

SIRENA est aujourd'hui présent dans 65 pays dans le monde et travaille avec d'importantes entreprises, tant dans le domaine électronique que dans la Première Monte automobile.

Sirena
est partout
synonyme de
sécurité
dans la
signalisation.





*Eine Sirene läutet,
eine Leuchte blinkt...
.... keine mündliche
Kommunikation,
auf jeden Fall
wirkungsvoll ...
...diese ist die Sprache
der **Signalisierung**.*

Ton und Licht schaffen: dies ist die Kunst in der Herstellung von akustischer und optischer Signalisierung, und das ist das Ziel, das SIRENA seit über 30 Jahren mit wichtiger Erfahrung, Professionalität und hohem Spezialisierungsniveau in diesem Bereich verfolgt.

SIRENA entwickelt ihre Tätigkeit auf einer Fläche von 27.000 m² und produziert ca. 2 Millionen akustische und optische Signalgeräte pro Jahr, die für diese zwei wichtigen Absatzmärkte vorgesehen sind: den INDUSTRIE- und den AUTOMOTIVE-Bereich.

Der erste umfasst verschiedene Industrie-Bereiche wie Automation, Robotik, Schalttafeln, Sicherheit in Gefahrenzonen, Vorwarnungs- und Evakuierungsanlagen.

Der zweite betrifft die Signalisierung am Fahrzeug, d.h. sowohl an Arbeitskraftfahrzeugen, Landwirtschaftsmaschinen, Erdmodulierungsmaschinen als auch an Not- und Rettungsfahrzeugen.

Zwei ganz unterschiedliche Welten mit demselben Erfordernis: die Signalisierung.

Insbesondere was den Industriebereich angeht, dank ihrem inneren **fortschrittlichen Forschungs- und Entwicklungszentrum**, hat Sirena Produktreihen entwickelt, die jedes akustische und optische Signalisierungsbedürfnis, auch integriert, für jeden Anwendungsbereich erfüllt. **Moderne Technologien** werden sowohl in der Elektronik als auch in den LED-Lichtquellen entwickelt und verwendet, vor allem in der Automation und Schalttafeln der letzter Generation.

Bedeutendes Beispiel sind die neuen vier LED-Modular-Lichtsignalsäulen der TWS Linie: MINI TWS - BABY TWS - MICRO TWS - NANO TWS, dank derer SIRENA die **Marktführerposition unter den wichtigsten internationalen Herstellern** im Jahr 2008 erreicht hat.

SIRENA arbeitet zurzeit mit 200 Angestellten, 14 Agenturen mit 1.200 Großhändlern im Inland und 250 europäischen und extra-europäischen Importeuren im Ausland.

SIRENA ist heute weltweit in 65 Ländern tätig und arbeitet mit den wichtigsten Bezugsmarken sowohl im elektrotechnischen als auch im Automotive-Erstausrüstungsbereich.

Sirena ist überall
zum Synonym für **Sicherheit**
in **Signalisierung** geworden.

*Una sirena que suena,
una luz que destella...
comunicaciones
no verbales todavía eficaces...
...es el idioma
de la señalización.*

Fabricar sonidos y luces: en esto consiste el arte de producir señalización acústica y luminosa y es la misión que, desde hace más que treinta años, SIRENA persigue con mucha experiencia y profesionalidad, destacando por el elevado nivel de especialización en este campo.

En una planta productiva de 27.000 m² la empresa lleva a cabo sus actividades fabricando aproximadamente 2 millones de aparatos acústicos y luminosos por año, repartidos entre 2 sectores: sector INDUSTRIAL y sector AUTOMOTRIZ.

El primero abarca varios ámbitos industriales como la automatización, la robótica y los cuadros de maniobra, la seguridad en ambientes con riesgos de explosión y los sistemas de alerta y evacuación.

Al segundo conciernen los sistemas de señalización instalados a bordo de vehículos de obra pública, agrícolas, de prioridad y socorro.

Dos mundos totalmente distintos y separados pero unidos por una única exigencia: la señalización.

En particular, en lo que se refiere al sector industrial, gracias a un **centro de investigación y desarrollo interno de vanguardia**, la empresa ha desarrollado unas líneas de artículos que satisfacen cada exigencia de señalización tanto luminosa como acústica así como conjuntos integrados, destinados a las aplicaciones más variadas, utilizando **tecnologías innovadoras** desde el punto de vista de los componentes electrónicos y de las fuentes luminosas de LED de última generación empleadas sobre todo en el sector de la automatización industrial y aplicaciones en tableros.

Un ejemplo de nuestra atención hacia la innovación está representado por las 4 nuevas gamas de columnas luminosas modulares de la serie TWS, MINI TWS - BABY TWS - MICRO TWS - NANO TWS por medio de las cuales SIRENA reafirma, en el año 2008, su posición de **líder entre los más importantes fabricantes internacionales**.

La organización de la empresa cuenta actualmente con 200 empleados, 14 Agencias de representación y 1.200 distribuidores en el mercado nacional, 250 importadores europeos y extra-europeos a nivel internacional.

SIRENA está actualmente **presente en 65 Países en el mundo** y colabora con importantes marcas tanto en el sector electrotécnico como en él del Primer Equipo automotriz.

Sirena
en cualquier parte
es sinónimo de
seguridad
en la
señalización.



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SIRENAS ELÉCTRICAS INDUSTRIALES

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CELERE – CELERE BA28
SUPER CELERE - SUPER CELERE BA28
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MIDFON – MIDFON BA31
MAXIFON – MAXIFON BA31

SIRENE ELETTRONICHE INDUSTRIALI

INDUSTRIAL ELECTRONIC SIRENS
SIRENES ELECTRONIQUES INDUSTRIELLES
INDUSTRIE-ELEKTRONISCHE SIRENEN
SIRENAS ELECTRÓNICAS INDUSTRIALES

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SE 12/31 MS 533
SE 12/41 MS 533
SE 25/50 MS 533
SE 25/51 MS 533
SE 4/25 L PLC34
SE 4/29 MS 534
SE 10/32 MS 534
SE 10/32 MS 5 PLC34
SE 12/35 MS 3235
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WATERPROOF INDUSTRIAL BELL
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BUZZERS FOR INDUSTRIAL APPLICATIONS
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ELEKTRONISCHE SIRENEN FÜR VORWARNUNG UND EVAKUIERUNG
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MICROSAI SD SI 40
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LIGNE SEV EN SERIE PCS
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SEV SERIALE PCS
SEV SERIAL LINE PCS
SEV EN SERIE PCS
SEV-PCS SERIENLINIE
SEV SERIAL PCS 49

LUCI ROTANTI

ROTATING BEACONS
FEUX TOURNANTS
DREHSPIEGELLEUCHTEN
LUCES ROTATIVAS

BABYROT50
BABYROT H50
GF 93151
LR 93251
ROTALLARM P B L – ROTALLARM P B R52
ROTALLARM AL B L – ROTALLARM AL B R52
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BLINDO ROTALLARM P AG53
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PG/R/AGR56
PG/TOR/AGR56
ROTOLUX H56

LUCI LAMPEGGIANTI

FLASHING BEACONS
FEUX CLIGNOTANTS
BLINKLEUCHTEN
LUCES INTERMITENTES

OVOLUX L MT .....	.57
OVOLUX PG9 L MT .....	.57
OVOLUX E L MT .....	.57
MICROLAMP L MT .....	.58
MICROLAMP R L MT .....	.58
CTL 600 L MT .....	.58
CTL 900 L MT .....	.58
CTL 1200 L MT .....	.58
BABYLAMP L MT .....	.59
PG/AGR/L .....	.59
MINIFLASH N .....	.60
MINIFLASH P60
MINIFLASH E60
MAXIFLASH N60
MAXIFLASH P60
MAXIFLASH E60
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LAMPALLARM FRESNEL AL B61
LAMPALLARM FRESNEL A61
BLINDO LAMPALLARM FRESNEL AL B62
BLINDO LAMPALLARM FRESNEL P AG .....	.62
LAMPALLARM FRESNEL STAGNO .....	.62
BLINDO LAMP .....	.63
BLINDO FLATLAMP .....	.63
BLINDO FARO .....	.64
FAROLAMP N .....	.64
FAROLAMP P .....	.64
STROBOLAMP N .....	.65
STROBOLAMP AG .....	.65
LAMPOLUX H .....	.65

LUCI FISSE

CONTINUOUS LIGHT BEACONS
FEUX A LUMIERE FIXE
DAUERLEUCHTEN
LUCES FIJAS

OVOLUX F MT .....	.66
OVOLUX PG9 F MT .....	.66
OVOLUX E F MT .....	.66
MICROLAMP F MT .....	.67
MICROLAMP R F MT .....	.67
CTL 600 F MT .....	.67
CTL 900 F MT .....	.67
CTL 1200 F MT .....	.67
BABYLAMP F MT .....	.68
PG/AGR/F MT .....	.68
MINIFLASH N F MT .....	.69
MINIFLASH P F MT .....	.69
MINIFLASH E F MT .....	.69
MAXIFLASH N F MT .....	.69
MAXIFLASH P F MT .....	.69
MAXIFLASH E F MT .....	.69
LAMPALLARM FRESNEL P B F MT .....	.70
BLINDO LAMPALLARM FRESNEL AL B F MT .....	.70
BLINDO FARO LF .....	.70
FAROLAMP N LF .....	.71
FAROLAMP P LF .....	.71
STROBOLAMP N LF .....	.71
STROBOLAMP AG LF .....	.71
STROBOLAMP AG PA .....	.72
2 STR AG A R A 100W .....	.72
1 STR AG A R A 2H 75W .....	.72

LUCI XENO

XENON FLASHING BEACONS
FEUX A ECLATS
BLITZLEUCHTEN
LUCES DE DESTELLOS

OVOLUX X .....	.73
OVOLUX PG9 X .....	.73
OVOLUX E X .....	.73
MICROXENOLAMP .....	.74
MICROXENOLAMP R .....	.74
CTL X 900 .....	.75
CTL X 1200 .....	.75
XENOFLASH N .....	.76
XENOFLASH P .....	.76
XENOFLASH E .....	.76
MAXIXENOFFLASH N .....	.76
MAXIXENOFFLASH P .....	.76
MAXIXENOFFLASH E .....	.76
BABYFLASH .....	.77
LAMPALLARM XENOFRESNEL P B .....	.77
LAMPALLARM XENOFRESNEL AL B .....	.77
PG/X/AGR .....	.78
STROBOLUX .....	.78
STROBOFLASH N .....	.79
STROBOFLASH AG .....	.79
FAROLAMP XENO N .....	.80
FAROLAMP XENO P .....	.80
BLINDO FLATFLASH .....	.80
BLINDO FLASH .....	.81
BLINDO STROBOFLASH AL N .....	.81
BLINDO STROBOFLASH AL AG .....	.81
LAMPALLARM XENOFRESNEL STAGNO .....	.82
BLINDOFLASH A .....	.82
STROBOFLASH A .....	.82

DISPOSITIVI DI SEGNALAZIONE ACUSTICO-LUMINOSA

DOUBLE WARNING SIGNALS AUDIBLE/VISUAL
DISPOSITIFS DE SIGNALISATION ACoustIQUE/LUMINEUSE
SIGNALGERÄTE MIT AKUSTISCHEM - UND OPTISCHEM SIGNAL
DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA

MICROLAMP A FCL .....	.83
MICROXENOLAMP A .....	.83
CTL A 600 FCL .....	.84
CTL A 900 FCL .....	.84
CTL A 1200 FCL .....	.84
CTL XA 900 .....	.85
CTL XA 1200 .....	.85
SLEM L .....	.86
SLEM F .....	.86
SLEM X .....	.86
SIRLAMP MS 5 .....	.87
SIRLAMP X 1F MS 5 – SIRLAMP X 2F MS 5 .....	.87

SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS
FEUX DE SIGNALISATION INDUSTRIELLE
INDUSTRIEAMPELN
SEMÁFOROS INDUSTRIALES

SMFR 6.3 F .....	.88
SMFR 9.3 F .....	.88
SMFR 12.3 F .....	.88
SMFR 9.3 X 1J 1F .....	.89
SMFR 12.3 X 6J 1F .....	.89
SMFR 6.3 F A .....	.90
SMFR 9.3 F A .....	.90
SMFR 12.3 F A .....	.90
SMFR 9.3 X 1J 1FA .....	.91
SMFR 12.3 X 6J 1FA .....	.91
SMFR 6.2 F .....	.92
SMFR 9.2 F .....	.92
SMFR 12.2 F .....	.92
SMFR 9.2 X 1J 1F .....	.93
SMFR 12.2 X 6J 1F .....	.93
SMFR 6.2 F A .....	.94
SMFR 9.2 F A .....	.94
SMFR 12.2 F A .....	.94
SMFR 9.2 X 1J 1FA .....	.95
SMFR 12.2 X 6J 1FA .....	.95

PRODOTTI PER CARRELLI ELEVATORI

PRODUCTS FOR FORKLIFT TRUCKS
PRODUITS POUR CHARIOTS ELEVATEURS
PRODUKTE FÜR HUB- UND GABELSTAPLER
PRODUCTOS PARA CARRETILLAS ELEVADORAS

ELEBLITZ 10÷100V 1F .....	.96
FLASH ELEV 10÷100V 1F – 2F .....	.96
FLC 1200 10÷100V 1F .....	.96
MICROROT ISO B ELEV 10÷100V 1F .....	.96
MINIFRESNEL ISO B ELEV 10÷100V 1 F .....	.97
MINITRUCK 120 10÷100V 1F .....	.97
SFEROFLASH 10÷100V 1F .....	.97
TOUR ELEV 10÷100V 1F .....	.97
FLASH ELEV SL 10÷100V 1F – 2F .....	.98
MICROROT ISO B ELEV SL 10÷100V 1F .....	.98
MINIFRESNEL ISO B ELEV SL 10÷100V 1F .....	.98
RES 10÷100V .....	.99
RETRO ALLARM 10÷100V .....	.99
SEN 10÷100V .....	.99
SVAR 10÷100V .....	.99
KIT FMA N .....	.100
KIT FMA A .....	.100
KIT FMA M .....	.100
CONVERTITORE SWITCHING	
VOLTAGE CONVERTER	
CONVERTISSEUR DE TENSION	
SPANNUNGSWANDLER SWITCHING	
CONVERTIDOR DE TENSIÓN .....	.100

FARI ORIENTABILI MANUALMENTE

SWIVEL LIGHT BEAMS MANUAL ORIENTATION
PHARES ORIENTABLES AVEC ORIENTATION MANUELLE
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- La **direttiva europea macchine 89/392** impone a bordo macchina l'installazione obbligatoria di idonei dispositivi di segnalazione acustica e luminosa come requisito essenziale di sicurezza per gli operatori in ambito industriale.
- Le **norme europee EN 457 e EN 842** (sicurezza del macchinario: segnali acustici ed ottici di pericolo) specificano i requisiti tecnici, costruttivi e funzionali che i segnalatori acustici ed ottici devono possedere per essere efficaci, cioè udibili o visibili, distinguibili e inequivocabili.
- I prodotti Sirena della linea acustica (sirene elettriche ed elettroniche, suonerie ed avvisatori acustici industriali) e della linea luminosa (luci fisse, lampeggianti, rotanti e a flash) sono pienamente conformi ai requisiti tecnici e funzionali delle norme EN 457 e EN 842.
- L'installazione dei prodotti Sirena a bordo macchina consente una piena rispondenza per quanto riguarda la segnalazione acustica e luminosa ai requisiti di sicurezza dettati dalle norme in vigore.

GUIDA ALL'INTERPRETAZIONE E ALL'APPLICAZIONE DELLE NORME - LINEA ACUSTICA

Le norme internazionali in materia di sicurezza in ambienti industriali rendono obbligatoria l'installazione di idonei dispositivi di segnalazione acustica che devono essere attivati in caso di allarme, pericolo o emergenza che possa mettere a rischio la salute o la sicurezza degli addetti ai moderni processi di produzione.

Per una installazione corretta ed efficace le norme fissano precisi criteri che riguardano le principali variabili del segnale acustico:

- **il livello di pressione acustica misurato in DECIBEL (dB)**
- **il campo di frequenza del suono in HERTZ (Hz)**
- **la distanza tra dispositivo e destinatario**
- **la presenza di altre fonti di rumore.**

Dal momento che il segnale acustico d'allarme, di pericolo o di emergenza deve essere compreso senza ambiguità e facilmente percepito nell'ambiente industriale dove viene attivato, le norme stabiliscono dei valori differenziali minimi che devono essere rispettati: infatti **il livello in dB deve essere almeno superiore di 15 dB** rispetto al livello di rumorosità ambiente e comunque **maggiori di 65 dB** e la frequenza centrale in cui il segnale acustico è più forte deve differire il più possibile dalla frequenza centrale in cui il rumore ambientale è più forte e comunque deve essere compresa tra **i 300 e i 3000 Hz**.

Queste regole per essere applicate necessitano dell'impiego del **FONOMETRO** per eseguire le rilevazioni del livello e delle frequenze della rumorosità ambientale e necessitano pure di una conoscenza dei dati tecnici riportati nel nostro catalogo e relativi ad ogni modello di segnalatore acustico di nostra produzione. I dati relativi al livello acustico dei nostri segnalatori forniscono il livello di pressione acustica dB (A) misurati in camera anecoica alla distanza di un metro sull'asse del segnalatore.

I dati da noi indicati a catalogo si riferiscono al livello acustico massimo sia per le sirene elettromeccaniche che per gli avvisatori acustici di tipo elettromagnetico che per le sirene elettroniche.

I dati da noi forniti a catalogo relativi agli Hertz si riferiscono alla frequenza fondamentale per le sirene elettromeccaniche ed elettroniche, e ad un campo di frequenza significativo, per gli avvisatori acustici elettromagnetici. Su richiesta possono essere fornite al cliente ulteriori

informazioni relative allo spettro acustico di ogni segnalatore di nostra produzione. Per una corretta ed efficace installazione è sufficiente sovrapporre idealmente lo spettro acustico del segnalatore prescelto allo spettro acustico della rumorosità ambiente, potrà così essere immediatamente apprezzabile il differenziale di livello di pressione acustica in dB e il relativo differenziale di campo di frequenza.

Nella scelta del migliore e più idoneo dispositivo di segnalazione acustica, bisognerà tenere in considerazione anche alcune altre informazioni di carattere tecnico e i seguenti nostri consigli.

Le **sirene elettromeccaniche** sono idonee per segnalazioni di breve durata e non per servizio continuo, emettono un suono lineare e raggiungono la frequenza fondamentale dopo un breve periodo. Il suono lineare è di per sé sicuramente efficace e consiste in un sibilo continuo che può dopo alcuni minuti tendere ad abituare l'orecchio; per migliorare la sua udibilità può essere reso modulato o intermittente mediante l'utilizzo del nostro Modulatore Elettronico (ME).

Gli **avvisatori acustici elettromagnetici a membrana vibrante e a pistone battente** emettono suoni caratteristici e immediatamente percepibili e differenziabili da altri suoni. Tendenzialmente questi segnalatori sono a bassa frequenza, a maggiore portata e idonei per brevi segnalazioni di chiamata o di allarme.

Il suono da loro emesso è lineare e può essere reso intermittente mediante il nostro Modulatore Elettronico (ME).

Le **sirene elettroniche magnetodinamiche e con tromba esponenziale** sono generalmente segnali acustici ad alta frequenza, idonei per segnalazioni di più breve portata; presentano rispetto ai segnalatori di tipo elettromeccanico alcuni vantaggi qui riassunti:

- minor consumo
- maggiore resa acustica
- tonalità variabile nelle frequenze di suono (modulato - bitonale - pluritonale)
- possibilità di pause e cicli di suono
- possibilità di suono intermittente
- possibilità di intensità di suono progressivo e regolabile nel livello finale massimo
- servizio continuo
- possibilità di abbinamento con la segnalazione luminosa.



- **European Machine Directive 89/392** requires the installation of appropriate audible and visual warning devices as an essential safety requirement for the operator in industrial environments.
- **European norms EN 457 and EN 842** (machine safety: audible and visual danger signalling) specify the technical, design and functional characteristics the audible and visual signal must have to be effective, i.e. audible or visible, distinguishable and unequivocal.
- SIRENA acoustic (electric and electronic sirens, bells and industrial horns) and luminous devices (continuous, blinking, rotating and flashing beacons) conform in every aspect to the technical and functional requirements of Norms EN 457 and EN 842.
- The installation of Sirena's range of audible and visual products onto machines conforms in every way to the safety standards set out in current norms.

GUIDELINES FOR INTERPRETATION AND APPLICATION OF THE NORMS - ACOUSTIC RANGE

Current international standards for safety require the installation of an audible warning device in order to attract the attention of the operator and to indicate a dangerous or emergency situation.

These standards have specific rules regarding the installation of audible warning devices in industrial environments. Two important factors determine the capability of the sound to be heard in any environment:

- **the distance between the audible warning device and the operator**
- **the existing ambient noise.**

The suitability of an audible alarm for a specific application is determined by its specification, i.e.:

- **sound output DECIBEL (dB)**
- **sound frequency HERTZ (Hz).**

International standards for industrial warning devices have established minimum differential sound output levels that must be complied with. **The dB level** of the siren must be at least **15 dB higher** than that of the measured ambient noise. The siren must, however, have a **minimum sound output of 65 dB**. The sound frequency of the siren, at the point where the sound output is greatest, must differ as much as possible to the frequency of the ambient noise. Sound frequency, however, must be between **300 and 3000 Hz**.

The use of a **PHONOMETER** is necessary to measure ambient sound levels, in order to comply with these regulations and to select the most suitable siren. Once this data is available the selection of a siren can be done very simply, by using the data shown in the Sirena catalogue and by making the required adjustments to compensate for the ambient noise levels.

The sound output dB (A) levels of Sirena's audible warning devices are accurately measured in an anechoic testing chamber at a distance of one meter from the axis of the device.

The ratings given in the Sirena catalogue for electric motor sirens give a maximum sound output. This is also valid for the horns and electronic sirens.

The Hz frequencies shown in the Sirena catalogue refer to a specific frequency for the electric motor and

electronic sirens, and for a range of applicable frequencies for the other types of warning devices, i.e. horns and electronic sirens.

Further information regarding the sound spectrum of Sirena's range of audible warning devices is available on request. When selecting an audible warning device the sound spectrum of the siren must be superimposed upon the sound spectrum of the ambient noise. The differential dB level and the differential frequencies are therefore immediately recognised.

Additional factors to be considered when selecting an audible warning device:

Electric motor sirens have a short duty cycle, produce a single tone sound and reach their specified operating frequency quickly. A single sound is very effective but can, after a short time, lose effectiveness as the human ear may become accustomed to it. A more effective method of audible alarm can be obtained by applying an electronic modulator (ME) which would allow a modulated or intermittent sound.

Horns and bells produce distinct sounds which are easily distinguishable from typical everyday sounds. They have low frequencies and are suitable for a variety of signalling applications especially long distance, short call signals or danger signals. They produce a continuous sound that can be changed to intermittent by using an electronic modulator (ME).

Magnetodynamic and exponential horn electronic sirens have high frequency sound output suitable for short distance use. In general, electronic sirens have the following advantages over electric motor sirens:

- low power consumption
- greater sound output
- variable tone in the sound frequency (i.e. modulated, bi-tone, or multi-tone)
- cyclic and pause option
- intermittent sound option
- progressive sound option controlling the level of the final blast
- continuous operation
- combined audible/visual signal option.

- La Directive Européenne Machines 89/392 impose l'installation sur une machine de convenables dispositifs de signalisation acoustique et lumineuse en tant que caractéristique essentielle de sécurité pour les opérateurs dans l'industrie.
- Les normes européennes EN 457 et EN 842 (sécurité des machines: signaux acoustiques et lumineux de danger) spécifient les caractéristiques techniques de fabrication et d'application que les différents signaux acoustiques et lumineux doivent émettre pour être efficaces, c'est-à-dire audibles et visibles, reconnaissables et sans équivoque.
- Les produits SIRENA de la ligne acoustique (sirènes électromécaniques et électroniques, sonneries et avertisseurs acoustiques industriels) et de la ligne lumineuse (feux à lumière fixe, clignotants, tournants et à éclats) répondent, en tout point, aux caractéristiques techniques et fonctionnelles des normes EN 457 et EN 842.
- L'installation des produits SIRENA sur des machines permet de répondre aux caractéristiques de sécurité prévues par les normes en vigueur.

GUIDE POUR L'INTERPRETATION ET L'APPLICATION DES NORMES - LIGNE ACOUSTIQUE

Les normes internationales en matière de sécurité dans l'industrie imposent l'installation de dispositifs de signalisation acoustique adéquats qui doivent être mis en fonction en cas d'alarme de danger ou d'urgence, afin d'assurer la sécurité du personnel intervenant dans les processus modernes de production.

Pour une installation correcte et efficace, les normes fixent des critères précis concernant les deux variables principales du signal acoustique :

- le niveau de pression acoustique mesuré en "DECIBEL" (dB)
- la gamme de fréquence du son émis en "HERTZ" (Hz).

La perception d'un signal acoustique dépend de deux facteurs ambients importants

- la distance entre le dispositif et le destinataire
- la présence d'autres sources de bruits.

Compte-tenu du fait que le signal acoustique d'alarme de danger ou d'urgence doit être compris sans ambiguïté et facilement perçu dans le milieu industriel où il est activé, les normes établissent des valeurs distinctes minimales qui doivent être respectées.

En effet, le niveau en dB doit être au moins **supérieur de 15 dB** au niveau du bruit ambiant et de toute façon **supérieur à 65 dB** dans la plage de fréquence dans laquelle le signal acoustique est le plus fort.

Le signal acoustique doit se différencier au maximum de la plage de fréquence dans lequel le bruit ambiant est le plus fort et, de toute façon, doit être compris **entre 300 et 3000 Hz**.

Pour appliquer ces règles, il est indispensable de mesurer à l'aide d'un **SONOMETRE** le niveau et la fréquence sonore du bruit ambiant et de se référer aux données techniques indiquées dans notre catalogue concernant chaque modèle de dispositif acoustique de notre production. Les données relatives au niveau acoustique de nos avertisseurs indiquent le niveau de pression acoustique dB (A) mesuré en chambre anéchoïque à la distance d'un mètre sur l'axe de l'avertisseur.

Les données indiquées sur notre catalogue se réfèrent au niveau acoustique maximal pour les sirènes électromécaniques, les autres avertisseurs acoustiques de type électromagnétiques et les sirènes électroniques.

Les données relatives aux Hertz indiquées sur notre catalogue, se réfèrent à la fréquence fondamentale pour les sirènes électromécaniques et électroniques et à une gamme de fréquence signifiant

te pour les autres avertisseurs acoustiques électromagnétiques. Sur demande, nous pouvons donner aux clients des informations complémentaires concernant le spectre sonore de chaque dispositif de signalisation de notre production. Pour une installation correcte et efficace, il suffit de superposer idéalement le spectre sonore de l'appareil de signalisation choisi au spectre sonore du bruit ambiant; on pourra ainsi apprécier immédiatement le différentiel du niveau de pression acoustique en dB et le différentiel relatif de la gamme de fréquence.

Dans le choix du dispositif de signalisation acoustique le meilleur et le plus approprié, il faudra aussi prendre en considération d'autres informations de caractère technique et suivre les conseils suivants.

Les sirènes électromécaniques sont indiquées pour des signalisations brèves et non pas pour un service continu; elles émettent un son linéaire et atteignent la fréquence fondamentale après peu de temps. Le son linéaire est en soi très efficace et consiste en un sifflement continu qui après peu de minutes habite l'oreille; pour améliorer son audibilité on peut le rendre modulé ou intermittent à travers l'utilisation de notre Modulateur Electronique (ME).

Les avertisseurs acoustiques électromagnétiques à membrane vibrante et avec piston battant sur la cloche, émettent des sons caractéristiques et immédiatement audibles et différenciés des autres sons. Ces dispositifs de signalisation sont normalement à basse fréquence, à longue portée, et indiqués pour des brefs signaux d'alarme ou d'appel.

Le son émis est linéaire et peut devenir intermittent à travers notre Modulateur Electronique (ME).

Les sirènes électroniques magnétodynamiques ou à chambre de compression sont en général des signaux acoustiques à haute fréquence, indiquées pour des signalisations de brève portée. Elles présentent les avantages suivants par rapport aux autres dispositifs de signalisation électromécaniques:

- moindre consommation
- plus haute puissance acoustique
- tonalité variable dans les fréquences de son (modulé-bitonale-pluritonale)
- possibilité de pauses et cycles de son
- possibilité de son intermittent
- possibilité d'intensité sonore progressive et réglable jusqu'au niveau maximal
- service continu
- possibilité d'intégration avec la signalisation lumineuse.



- Nach der **europäischen Maschinennorm 89/392** muss man in der Industrie zur Sicherheit des Bedieners geeignete akustische und optische Warngeräte an Maschinen installieren .
- Die **europäische Norm EN 457 und pr EN 842** (Sicherheit an Maschinen, akustische und optische Warnsignale) erklären die technischen Bau- und Zweckeigenschaften, die die akustischen und optischen Signalgeräte haben müssen, um wirksam zu sein, d.h. hörbar und sichtbar, unterscheidbar und eindeutig.
- Die SIRENA Produkte der akustischen (elektromechanische und elektronische Sirenen, Läutewerke und Industrie-Warngeräte) und optischen Signalgeräte (Dauer-, Blink-, Drehspiegel- und Blitzleuchten) entsprechen den technischen und funktionellen Erfordernissen der EN 457 und pr EN 842 Normen.
- Die Installation der Signalgeräte von SIRENA an Maschinen entspricht bei optischer und akustischer Warnung den Sicherheitsstandards, die von den gültigen Normen vorgeschrieben werden.

LEITFADEN ZUR AUSLEGUNG UND ANWENDUNG DER NORMEN - AKUSTISCHE LINIE

Die internationalen Sicherheitsnormen in der Industrie regeln die Installation geeigneter akustischer Warnsignale. In Alarm-, Gefahr- und Notfällen, in denen die Sicherheit oder Gesundheit der Belegschaft gefährdet ist, werden diese Signale eingesetzt.

Für eine richtige und wirksame Installation geben die Normen Richtlinien zum Einsatz des akustischen Signals:

- **der Schalldruckpegel in DEZIBEL (dB) gemessen**
- **der Frequenzbereich der externen Umgebungs-faktoren in HERTZ (Hz) gemessen**
- **die Distanz zwischen Gerät und Empfänger**
- **die Einflüsse anderer Störquellen.**

Da die Alarm-, Gefahr- und Notsignale sofort erkennbar und eindeutig in der Industrie verstanden werden müssen, setzen die Normen unterschiedliche Mindestwerte fest, die einzuhalten sind. **Der Schalldruckpegel in dB** muß mindestens **15 dB höher** als der Störschallpegel sein und gleich oder **höher als 65 dB**. Die Durchschnittsfrequenz, in der das Signal am höchsten ist, muß von der Durchschnittsfrequenz, in dem das Störsignal am höchsten ist, soweit wie möglich auseinander sein sollte durch Frequenzen im Bereich zwischen **300 und 3000 Hz** bestimmt werden.

Bei Anwendung dieser Richtlinien benötigt man das **PHONOMETER** für die Messungen der Schallpegel und der Frequenzen des Umgebungsgeräusches. Die technischen Daten in unserem Katalog über jedes SIRENA Modell der akustischen Signalgeräte sollten bekannt sein. Die Daten über den Schallpegel unserer Signalgeräte geben den Schalldruckpegel in dB (A) an, der in echofreier Schallkammer bei einem Meter Distanz auf Geräteachse gemessen wird.

Die Daten für die elektromechanischen Sirenen in unserem Katalog beziehen sich auf den maximalen Schallpegel. Dies gilt auch für die restlichen elektromagnetischen akustischen Signalgeräte und für die elektronischen Sirenen.

Frequenzdaten in unserem Katalog beziehen sich auf die Grundfrequenzen der elektromechanischen und elektronischen Sirenen und auf den bedeutenden Frequenzbereich für die restlichen elektromagnetischen

Signalgeräte. Auf Anfrage geben wir unseren Kunden weitere Informationen über das Schallspektrum jedes SIRENA Signalgerätes. Für eine richtige und wirksame Installation genügt es, ideell das Schallspektrum des ausgewählten Signalgerätes auf das Schallspektrum des Umgebungsgeräusches zu setzen. Man kann sofort die Unterscheidung des Schalldruckpegels in dB und die zugehörige Unterscheidung des Frequenzbereiches erkennen.

Bei der Wahl des besten und geeignetsten akustischen Signalgerätes sollte man alle technische Informationen und unsere folgenden Daten beachten.

Die **elektrischen Sirenen** sind geeignet für Signalisierung kurzer Dauer und nicht für Dauerbetrieb. Sie erzeugen eine lineare Tonfolge und erreichen die Grundfrequenz nach kurzer Zeit. Die lineare Tonfolge ist zwar wirksam, das menschliche Ohr gewöhnt sich aber schon nach wenigen Minuten daran. Für die Verbesserung ihrer Hörbarkeit kann man diese moduliert oder aussetzend durch die Verwendung unseres elektronischen Modulators (ME) erzeugen.

Die **elektromagnetischen akustischen Signalgeräte mit vibrierender Membrane und mit vibrierendem Klöppel** erzeugen charakterliche und sofort hörbare, erkennbare Tonfolgen. Diese Signalgeräte sind normalerweise ausgestattet mit niedrigerer Tonfrequenz, höherer Tonfolge und können intermittierend durch unseren elektronischen Modulator (ME) sein.

Die **elektronischen magnetodynamischen Sirenen oder Exponential-Trichterlautsprecher** sind hauptsächlich akustische Signalgeräte mit Hochfrequenz, geeignet für noch kürzere Signalisierung. Im Vergleich zu anderen elektromechanischen Signalgeräten haben diese Sirenen folgende Vorteile:

- niedriger Stromverbrauch
- höhere Lautstärke
- wechselnde Tonfolge bei Schallfrequenzen (moduliert-zweitönig-mehrtönig)
- Möglichkeit von Pausen und Tonzyklen
- Möglichkeit von aussetzender Tonfolge
- Möglichkeit von progressiver Tonfolge, regelbar bis maximaler Endschallpegel
- Dauerbetrieb
- Kombinationsmöglichkeit mit optischer Signalisierung.

- La **Directiva Europea de Maquinaria 89/392** impone la instalación a bordo máquina de dispositivos adecuados de señalización acústica y luminosa como principal requisito de seguridad para los operadores en ambiente industrial.
- Las **normas europeas EN 457 y EN 842** (seguridad de las máquinas: señales acústicas y ópticas de peligro) especifican las características técnicas, constructivas y funcionales que tienen que tener las señales acústicas y ópticas para considerarse eficaces, o sea, oíbles y visibles, inequivocables e inconfundibles.
- Los productos de la línea acústica (sirenas electromecánicas, timbres, avisadores acústicos industriales) y luminosa (luces fijas, destellantes, rotativas y de xenón) cumplen totalmente los requisitos técnicos y funcionales de las normas EN 457 y EN 842.
- La instalación de los productos SIRENA a bordo máquina responde completamente a los requisitos de seguridad sobre la señalización acústica y luminosa exigidos por las normas en vigor.

GUÍA PARA LA INTERPRETACIÓN Y LA APLICACIÓN DE LAS NORMAS - GAMA ACÚSTICA

Las normas internacionales en materia de seguridad en los ambientes industriales, hacen obligatorio el empleo de dispositivos de señalización acústica que deben ser activados en los casos de alarma, peligro o emergencia que puedan perjudicar la salud o la seguridad del personal en los modernos procesos de producción.

Las normas plantean criterios precisos para una correcta y eficaz instalación, que tienen que ver con las dos principales variables internas de la señal acústica:

- **nivel de presión acústica, medida en DECIBELIOS (dB)**
- **cambio de frecuencia del sonido emitido en HERTZ (Hz).**

La percepción de una señal acústica depende de dos importantes factores ambientales externos:

- **la distancia entre el dispositivo y el destinatario**
- **la distancia entre el dispositivo y el destinatario en presencia de otras fuentes de ruido.**

Puesto que la señal acústica de alarma, peligro o emergencia debe ser comprendida sin ambigüedad y fácilmente percibida, en el ambiente industrial donde se activa, las normas establecen unos valores mínimos que deben respetarse. **El valor en dB** tiene que estar, por lo menos, en **15 dB por encima** del nivel del ruido ambiental y en cualquier caso ser **superior a los 65 dB**.

La frecuencia central, en la que la señal acústica es más fuerte, tiene que diferenciarse lo más posible de la frecuencia central del ruido ambiental más fuerte y de cualquier manera debe de estar **entre los 300 y 3000 Hz**.

Para una correcta aplicación de dichas reglas se tendrá que utilizar el **FONÓMETRO** para efectuar las medidas del nivel y de las frecuencias del ruido ambiental, así mismo es necesario conocer también los datos técnicos indicados en nuestro catálogo que se refieren a cada avisador acústico fabricado por SIRENA. Los datos relativos al nivel acústico de nuestros avisadores, indican el nivel de presión acústica en dB (A) determinados en la cámara anecoica a la distancia de 1m sobre el eje del artículo.

Los datos indicados en nuestro catálogo se refieren al nivel acústico máximo, para las sirenas electromecánicas, los avisadores acústicos electromagnéticos y las sirenas electrónicas.

Los datos sobre los Hertz, indicados en nuestro catálogo, se refieren a la frecuencia fundamental para las sirenas electro-

mecánicas y electrónicas y a un campo de frecuencia significativo para otros avisadores acústicos electromagnéticos. Bajo petición, se pueden suministrar a los clientes más informaciones relativas al espectro acústico de cada señalizador fabricado por SIRENA. Para una correcta y eficaz instalación es suficiente sobreponer idealmente el espectro acústico del señalizador escogido al espectro acústico del rumor del ambiente; de esta manera podrá comprobarse de inmediato la diferencia en la presión acústica en dB y relativa diferencia del campo de frecuencia.

Para poder elegir el mejor y más idóneo dispositivo de señalización, es necesario tener en cuenta también otras informaciones técnicas y nuestras siguientes sugerencias.

Las **sirenas electromecánicas** se recomiendan para avisos breves y no para servicio continuo, dado que emiten un sonido lineal y alcanzan la frecuencia de trabajo en poco tiempo. El sonido lineal es de por sí altamente eficaz y consiste en un tono continuo, pero al que después de algunos minutos el oído se puede acostumbrar. Con el fin de mejorar su audibilidad puede convertirse en modulado o intermitente mediante el empleo de nuestro Modulador Electrónico (ME).

Los **avisadores acústicos electromagnéticos a membrana vibrante** y los **timbres a pistón vibrante** sobre campana emiten sonidos característicos e inmediatamente perceptibles y diferenciables de otros sonidos.

Normalmente dichos señalizadores tienen bajas frecuencias, mayor alcance y se adaptan a señales cortas de llamada o alarma.

El sonido emitido es lineal y puede convertirse en intermitente mediante nuestro Modulador Electrónico (ME).

Las **sirenas electrónicas magnetodinámicas o de perfil exponencial direccional** son generalmente avisadores acústicos de alta frecuencia, idóneos para señalizaciones de menor alcance. Respecto a los avisadores electromecánicos, presentan las ventajas que a continuación citamos:

- Bajo consumo
- Mejor rendimiento acústico
- Tonalidades variables en las frecuencias del sonido (modulado, con dos o más tonos)
- Posibilidad de pausas y ciclos de sonido
- Posibilidad de intensidad de sonido progresiva y regulable en el nivel máximo final
- Servicio continuo
- Posibilidad de acoplamiento con una señal luminosa.

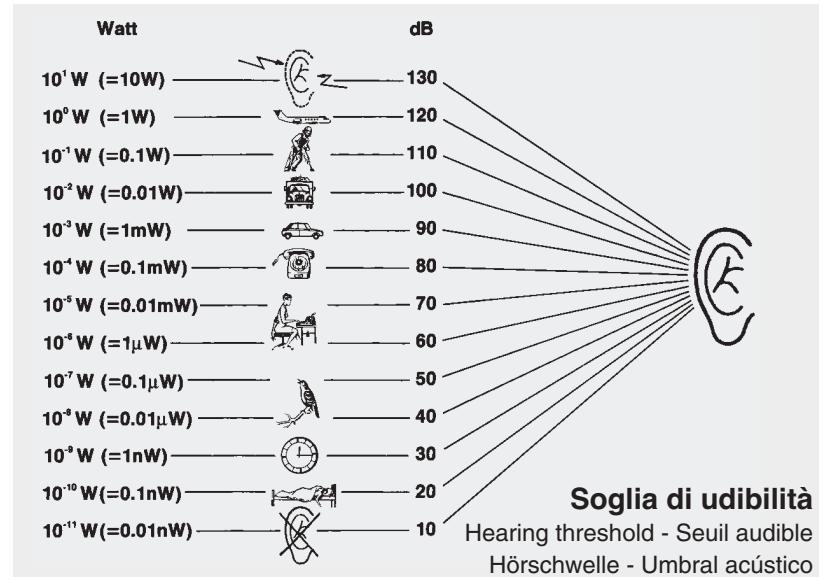
Decibel dB (1m) - Unità di misura per il livello sonoro

Decibel dB (1m) - Measurement of sound output

Décibel dB (1m) - Unité de mesure du niveau sonore

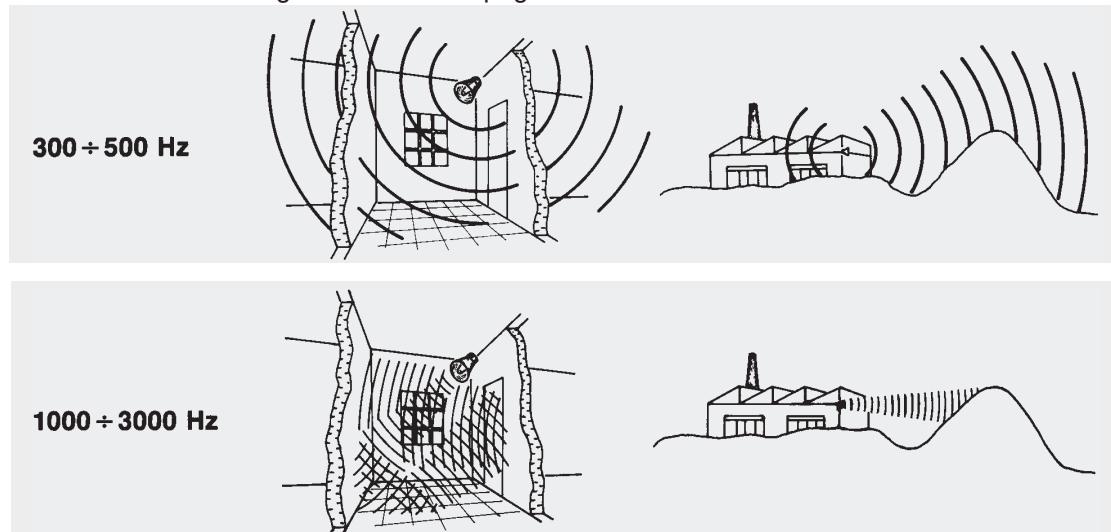
Decibel dB (1m) - Maßeinheit für den Schallpegel

Decibelio dB (1m) - Unidad de medida para el nivel sonoro



Propagazione delle onde sonore - Intensità del suono

Diffusion of sound waves - Sound intensity / Propagation des vagues sonores - Intensité du son
Schallwellenausbreitung - Tonhöhe / Propagación de las ondas sonoras - Intensidad del sonido



Distanza - Distance - Distancia - Entfernung - Distancia

m	dB (A)																									
1	65	70	75	80	85	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130
2	59	64	69	74	79	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124
3	55	60	65	70	75	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
5	51	56	61	66	71	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116
10	45	50	55	60	65	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
20	39	44	49	54	59	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104
30	35	40	45	50	55	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100
50	=	36	41	46	51	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96
100		=	=	40	45	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
200			=	39	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86
300				=	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	
500					=	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	
1000						=	=	=	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	
2000									=	=	=	38	40	42	44	46	48	50	52	54	56	58	60	62	64	
3000										=	=	38	40	42	44	46	48	50	52	54	56	58	60			
5000											=	=	38	40	42	44	46	48	50	52	54	56				

GUIDA ALL'INTERPRETAZIONE E ALL'APPLICAZIONE DELLE NORME - LINEA LUMINOSA

I segnali luminosi, attraverso le loro due variabili dell'intensità luminosa e del colore, sono in grado di creare un linguaggio in codice per l'invio di informazioni dalla macchina, dalla linea e dal reparto agli operatori.

Secondo le differenti caratteristiche possiamo classificare diversi tipi di segnalatori luminosi nella gamma dei prodotti Sirena.

- L'intensità luminosa del segnalatore varia al variare della distanza tra punto di osservazione e osservatore; varia secondo le diverse tipologie di lente del diffusore e secondo il filtro luminoso colorato interposto tra sorgente luminosa e punto d'osservazione.
- L'intensità luminosa dei nostri segnalatori è misurata in Cd(p) (Candeles di picco) in camera fotometrica. Le Cd(p) rappresentano un valore assoluto che per essere tradotto nella pratica dell'installazione dei dispositivi deve tenere in considerazione la distanza ed il filtro colorato della cupola. Infatti al raddoppiare della distanza l'intensità luminosa di picco risulta ridotta ad un quarto ed al quadruplicare della distanza risulta ridotta ad un sedicesimo. Il dato delle candele di picco è inoltre misurato con cupola neutra che lascia passare il 100% della luce, la diminuzione dell'intensità luminosa è progressiva se i filtri sono colorati:

Luce trasmessa		6	5	2	3	1	4
		100%	95%	70%	30%	17%	12%
		100%	94%	70%	27%	20%	15%
		100%	93%	70%	23%	24%	25%

- Poiché le norme sull'impiego di questi dispositivi luminosi in ambienti industriali richiedono che la loro intensità luminosa sia di 5 volte superiore nei casi di segnali di pericolo e di 10 volte in casi di segnali di emergenza, occorre, per una corretta installazione, verificare il livello di luminosità ambientale per poter definire il livello di intensità luminosa che deve possedere l'apparecchio da installare. Il livello di luminosità ambientale misurato in LUX, può essere facilmente rilevato attraverso l'impiego di un apposito strumento denominato LUXMETRO.

La relazione tra i LUX e le candele (Cd) è data dalla seguente formula:

$$Cd = LUX \times DISTANZA^2$$

$$LUX = \frac{Cd}{DISTANZA^2}$$

Ad esempio 10.000 Cd = 10.000 LUX a 1 m. = 100 LUX a 10 m.

- L'intensità luminosa di una luce fissa è data dalla potenza della sua lampadina filtrata dalla sua cupola. Se questa cupola è una cupola liscia, l'intensità luminosa non risulta in alcun modo amplificata, se questa cupola invece è a forma di lente di Fresnel l'intensità luminosa risulta amplificata.

Le segnalazioni luminose lampeggianti possono essere di tre diverse tipologie. Il lampeggio può essere ottenuto mediante:

- l'accensione e spegnimento ciclico di una lampadina a filamento
- la rotazione orbitale periodica di una parabola riflettente intorno all'asse della lampadina sempre accesa
- il lampo ciclico di una lampadina a scarica pilotata da un circuito elettronico.

La **luce lampeggiante** ha generalmente un maggior tempo di accensione della lampadina con un'intensità luminosa non molto elevata.

La sua efficacia di segnalazione è dovuta al fatto che durante il tempo in cui è accesa, viene illuminata completamente la superficie del segnalatore, che emette luce sui 360°.

La **luce rotante** ha un'intensità luminosa superiore ed un tempo di accensione più ridotto per ciascuno dei possibili punti di osservazione, in quanto ciascuno di essi viene illuminato soltanto al passaggio dello specchio rotante nella sua direzione.

La **luce a flash** consente invece la massima intensità luminosa dovuta ad un ancora minor tempo di accensione della lampadina che tuttavia è caratterizzato da un picco di luce molto elevato.

La visibilità di una lampada flash è assicurata nello stesso momento su tutti i 360° e può essere ulteriormente amplificata dalla presenza di un diffusore a lente di Fresnel.

GUIDELINES FOR INTERPRETATION AND APPLICATION OF THE NORMS - LUMINOUS RANGE



Visual warning signals establish a code communication through two variables, i.e. different degrees of brightness and the use of different colours. Through these features the operator receives information.

According to different characteristics we can classify various types of luminous signals in the Sirena product range:

- The degree of brightness changes according to:
 - the distance between the luminous point and the observer
 - the different type of diffuser lens used
 - the colour of the dome selected.
- The light intensity of Sirena warning signals is measured in Cd (p) in a photometric chamber. The Cd (p) represents a peak luminous intensity using a clear dome. To establish the actual output when installing the beacon, the distance and the colour of the dome must be taken into consideration. For example, if the viewing distance is doubled, the light intensity observed is reduced by a quarter and if the distance is quadrupled the light intensity is reduced by a sixteenth. Furthermore, the Cd (p) rate is measured using a clear dome that allows 100% brightness. The brightness is reduced dependant upon the colour of the dome, for example:

Light transmission		6	5	2	3	1	4
		100%	95%	70%	30%	17%	12%
		100%	94%	70%	27%	20%	15%
		100%	93%	70%	23%	24%	25%

By using the following formula the "LUX" measurement is obtained:

$$Cd = LUX \times DISTANCE^2$$

$$LUX = \frac{Cd}{DISTANCE^2}$$

For example 10.000 Cd = 10.000 LUX at 1 m. = 100 LUX at 10 m.

- The degree of brightness from a continuous light beacon is given by the power of the bulb. The brightness can be increased by using a Fresnel lens.

The flashing light can be obtained in three ways:

- by the on/off cycle of the filament bulb
- through periodic rotation of a parabolic mirror around the axis of a continuously lit bulb
- through the flash of a xenon discharge tube.

Flashing beacons generally take more time to light up the bulb and give a lower degree of brightness. The efficiency of the signal is due to the fact that when the bulb is lit, the whole surface of the beacon is illuminated giving light at 360°.

Rotating beacons have a greater degree of brightness, however, the light intensity at each point of observation is reduced as each point is illuminated only when the mirror rotates in its direction.

Xenon beacons, on the contrary, allow maximum brightness due to the fact that the bulb takes less time to light up. Visibility at 360° is guaranteed and can also be increased by using a Fresnel lens.

- The current standards regarding visual signals used in industrial applications state that warning signals must be five times brighter than the ambient light level. Emergency signals must be ten times brighter than the ambient light level. In order to ensure that the correct beacon is selected the ambient light level must be measured. The ambient light level is measured in LUX and can be easily established by using a "LUXOMETER".

GUIDE POUR L'INTERPRETATION ET L'APPLICATION DES NORMES - LIGNE LUMINEUSE

Les signaux lumineux, à travers leurs deux variables d'intensité lumineuse et de couleur, sont à même de créer un langage en code pour l'envoi d'informations de la machine à l'opérateur.

Selon les différentes caractéristiques nous pouvons classifier les signaux lumineux de la gamme Sirena en divers types.

- L'intensité lumineuse de l'avertisseur varie selon le changement de la distance entre le point d'observation et l'observateur, selon les différents types de lentille du diffuseur et enfin selon le filtre lumineux coloré interposé entre source lumineuse et point d'observation.
- L'intensité lumineuse de nos avertisseurs est mesurée en Cd (p) (candela de pic) dans une chambre photométrique. Les candelas de pic Cd (p) représentent une valeur absolue qui, pour être traduite lors de l'installation des dispositifs, doit tenir compte de la distance et du filtre coloré du dôme. En effet si la distance est double, l'intensité lumineuse de pic résultant est d'un seizième.

La donnée des candelas de pic est mesurée avec un dôme incolore qui permet le passage de 100% de la lumière ; la diminution de l'intensité lumineuse est progressive si les filtres sont colorés.

être facilement relevé à travers l'emploi d'un appareil spécifique nommé LUXOMETRE. Le rapport entre le LUX et la Cd est donné par la formule suivante:

$$Cd = \frac{LUX \times DISTANCE^2}{Cd}$$

$$LUX = \frac{Cd}{DISTANCE^2}$$

$$\text{Ex. } 10.000 \text{ Cd} = 10.000 \text{ LUX à 1 m} - 100 \text{ LUX à 10 m.}$$

- L'intensité lumineuse d'un feu à lumière fixe est donnée par la puissance de son ampoule filtrée par son dôme. Si le dôme est lisse, l'intensité lumineuse n'est pas modifiée, en revanche si le dôme est en forme de lentille de Fresnel, l'intensité lumineuse est amplifiée.

Les signalisations lumineuses clignotantes peuvent être de trois types différents. L'éclat peut être obtenu au moyen de:

- allumage et extinction cyclique d'une ampoule à filament
- rotation orbitale périodique d'un réflecteur autour de l'axe de l'ampoule toujours allumée
- éclat cyclique d'un tube à décharge piloté par un circuit électronique.

Le **feu clignotant** a normalement une période d'allumage de l'ampoule importante avec une intensité lumineuse pas très élevée.

Son efficacité de signalisation est due au fait que pendant la période d'allumage la surface de l'avertisseur est illuminée complètement, émettant un signal sur 360°.

Le **feu tournant** a une intensité lumineuse supérieure et une période d'allumage plus réduite pour chaque point possible d'observation parce que chacun d'eux est illuminé seulement au passage du miroir tournant dans sa direction.

Le **feu à éclats** permet, par contre, une intensité lumineuse maximale due à une période d'allumage de l'ampoule encore plus courte qui se caractérise par un pic de lumière très élevé.

La visibilité d'un feu à éclats est assurée dans le même temps sur 360° et peut être ultérieurement amplifiée par la présence d'un diffuseur à lentille de Fresnel.

		6	5	2	3	1	4
Transmission de lumière		100%	95%	70%	30%	17%	12%
		100%	94%	70%	27%	20%	15%
		100%	93%	70%	23%	24%	25%

- Les normes, concernant l'emploi de ces dispositifs lumineux dans les milieux industriels, demandent une luminosité de 5 fois supérieure au niveau ambiant pour les signaux d'avertissement et de 10 fois supérieure au niveau ambiant pour les signaux d'urgence. Il faut donc vérifier, pour une installation correcte, le niveau d'éclairage ambiant afin de pouvoir définir le niveau d'intensité lumineuse que l'avertisseur à installer doit avoir.

Le niveau d'éclairage ambiant mesuré en LUX, peut

LEITFÄDEN ZUR AUSLEGUNG UND ANWENDUNG DER NORMEN - OPTISCHE LINIE



Die optischen Signale können durch ihre Lichtstärke und Farbe eine Chiffresprache für Informationen von Maschinen an Bediener liefern.

Gemäß den unterschiedlichen Eigenschaften können wir in der SIRENA Produktpalette verschiedene optische Signalgeräte klassifizieren.

- Die Lichtstärke des Signalgerätes ändert sich bei Abstandsänderung zwischen Lichtquelle und Beobachter, bei verschiedenen Linsentypen der Hauben und letztlich beim Farblichtfilter zwischen Lichtquelle und Beobachtungspunkt.
- Die Lichtstärke unserer optischen Signalgeräte wird in Cd (p) (Spitzenwert Candelas) angegeben und in einer fotometrischen Messkammer gemessen. Candela ist eine Maßeinheit, deren Wert bei der Installation des Signalgerätes, dem Abstand und des Haubenfarbfilters beachtet werden muss. Verdoppelt man den Abstand zwischen Signalgerät und Betrachter wird die Spitzenwert-Lichtstärke zu einem Viertel, vervierfacht man den Abstand, zu einem Sechzehntel reduziert. Die Candela-Spitzenwerte werden mit einer farblosen Lichthaube gemessen, die eine 100%ige Lichtdurchlässigkeit hat. Bei farbigen Lichthauben ist die Verminderung der Lichtstärke progressiv:

Lichtdurchlässigkeit		6	5	2	3	1	4
		100%	95%	70%	30%	17%	12%
		100%	94%	70%	27%	20%	15%
		100%	93%	70%	23%	24%	25%

- Da die Anwendungsnormen dieser optischen Signalgeräte in der Industrie eine Lichtstärke 5 mal heller bei Warnsignalen und 10 mal mehr bei Alarmsignalen vorschreiben, muss man für eine korrekte Installation das Beleuchtungsniveau der Umgebung prüfen, um das Lichtstärkeniveau des Signalgerätes zu bestimmen.

Das Beleuchtungsniveau der Umgebung, in "LUX" gemessen, wird mit einem LUXMETER erfaßt.

Folgende Beziehungen bestehen zwischen "LUX" und "Cd".

$$Cd = LUX \times \text{Abstand}^2$$

$$LUX = \frac{Cd}{\text{Abstand}^2}$$

$$\text{z.B.: } 10.000 \text{ Cd} = 10.000 \text{ LUX } 1 \text{ m} = 100 \text{ LUX } 10 \text{ m}$$

- Die Lichtstärke einer Dauerleuchte ist von der Stärke des Leuchtmittels abhängig. Hat die Haube eine glatte Oberfläche wird die Lichtstärke nicht erhöht. Ist diese jedoch mit einer Fresnellinse wird die Lichtstärke erhöht.

Die optischen Blinkwarnsignale können in drei verschiedenen Typen unterteilt werden.

Das Blinklicht wird:

- durch das zyklische Aufleuchten einer Glühlampe erzeugt.
- durch die periodische Orbitalumdrehung eines Reflektors um die Achse eines Leuchtmittels, das immer leuchtet.
- durch den zyklischen Blitz eines Entladungsstromes, der durch eine Elektronik gesteuert wird.

Bei einer **Blinkleuchte** ist die Aufleuchtdauer länger, aber mit einer geringeren Lichtstärke.

Ihre Warnwirkung hängt davon ab, ob die gesamte Fläche der Haube beleuchtet ist (360°).

Die **Drehspiegelleuchte** hat eine kürzere Aufleuchtdauer, aber mit einer höheren Lichtstärke, da das Licht mit dem Drehreflektor verstärkt wird.

Die **Blitzleuchte** hat durch die sehr kurze Aufleuchtzeit die größte Lichtstärke. Das Blitzlicht ist immer über 360° sichtbar und kann durch eine Fresnellinse noch verstärkt werden.

GUÍA PARA LA INTERPRETACIÓN Y LA APLICACIÓN DE LAS NORMAS - GAMA LUMINOSA

Las señales luminosas, a través de sus dos variables:

- la intensidad
- el color

pueden originar un lenguaje en código para el envío de informaciones de la máquina hacia el operario.

Según las distintas características podemos clasificar tipos diferentes de señalizadores luminosos en la gama de los productos SIRENA.

- La intensidad luminosa varía de acuerdo a la distancia entre el punto de observación y el observador, varía, así mismo, según los diferentes modelos de lente del difusor, y, finalmente, varía según el filtro luminoso coloreado colocado entre la fuente de luz y el punto de observación.
- La intensidad luminosa de nuestros avisadores viene medida en Cd(p) (Candelas/pico) en una cámara fotométrica. Las Cd(p) representan un valor absoluto que, para ser traducido en la práctica de la instalación de los aparatos, deben considerar la distancia y el filtro coloreado del difusor.

En efecto, cuando se doble la distancia, el pico de intensidad resultará reducido a una cuarta parte, mientras al cuadruplicar la distancia se reducirá a una 16^a parte.

Además, el dato referente a las candelas de pico se obtiene con difusor neutro y, por lo tanto, con el 100% de la luz. La disminución de la intensidad luminosa es progresiva si los filtros son coloreados.

Transmisión de luz		6	5	2	3	1	4
		100%	95%	70%	30%	17%	12%
		100%	94%	70%	27%	20%	15%
		100%	93%	70%	23%	24%	25%

- Puesto que las normas sobre la utilización de dichos dispositivos luminosos, en ambientes industriales, requieren que su intensidad luminosa sea 5 veces superior, en los casos de señales de peligro, y 10 veces superior, en los casos de señales de emergencia, a fin de asegurar una buena instalación, es necesario verificar el nivel de luminosidad ambiental para definir la intensidad luminosa que debe de poseer el aparato que va a instalarse.

El nivel de luminosidad del ambiente, medido en LUX, puede ser fácilmente comprobado utilizando un instrumento específico: el LUXOMETRO.

La relación entre LUX y Cd se consigue utilizando la fórmula siguiente:

$$Cd = LUX \times DISTANCIA^2$$

$$LUX = \frac{Cd}{DISTANCIA^2}$$

Por ejemplo, 10.000 Cd = 10.000 LUX a 1 m = 100 LUX a 10 m.

- La intensidad luminosa de una lámpara de luz fija se calcula en relación a la potencia de su lámpara y el filtro de su difusor. Si éste es plano, la intensidad no viene amplificada, por el contrario, si tiene la forma de lente de Fresnel, dicha intensidad resulta amplificada.

Las señalizaciones luminosas destellantes pueden pertenecer a tres tipos distintos.

La intermitencia se obtiene a través de un encendido/apagado cíclico de una lámpara de filamento o a través de la rotación orbital de una parábola reflectante alrededor del eje de la lámpara siempre encendida o por medio de un destello cíclico de una lámpara de descarga gobernada por un circuito electrónico.

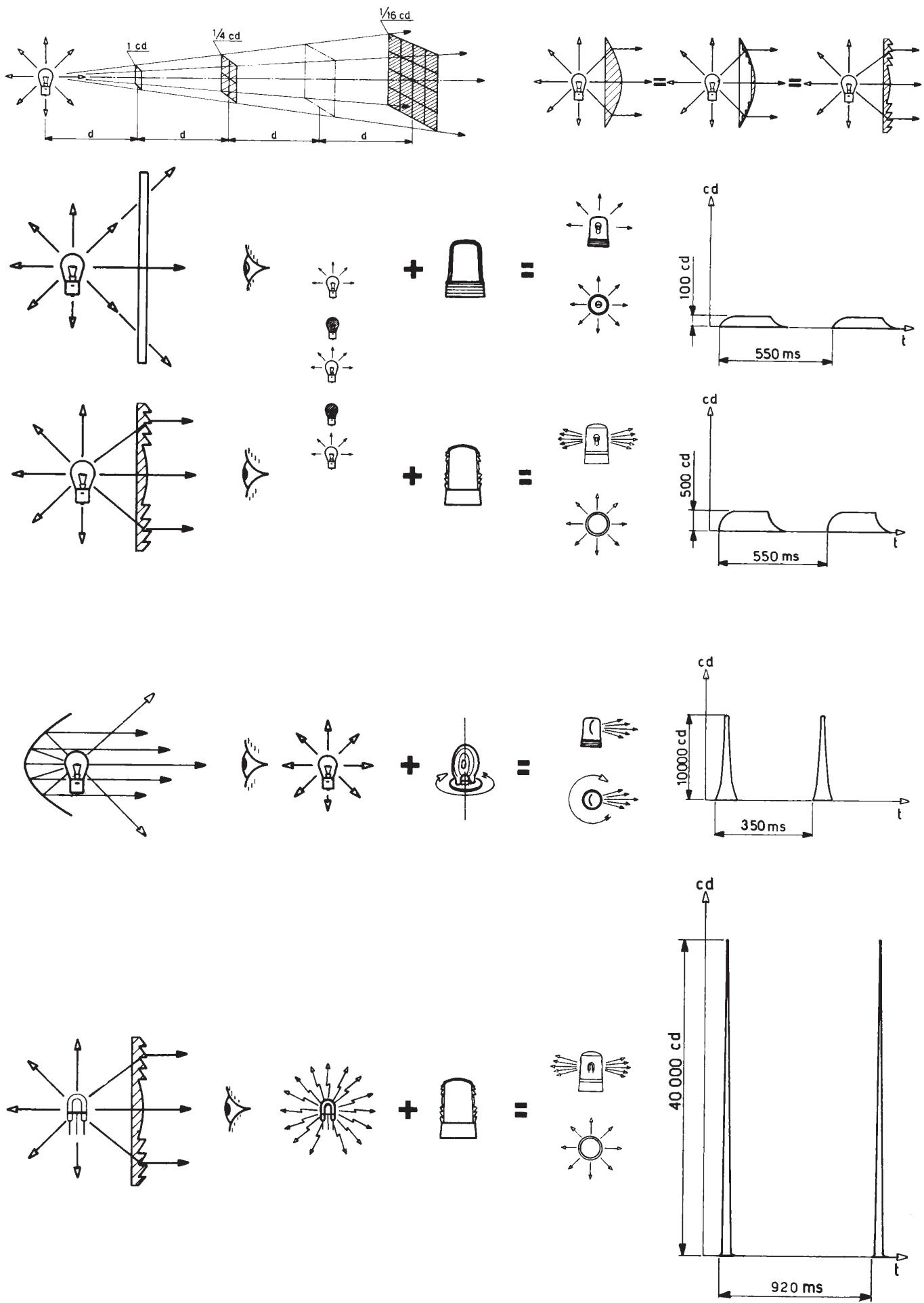
La **luz intermitente** tiene generalmente un tiempo superior de encendido de la lámpara con una intensidad luminosa no muy elevada. Su eficacia de señalización se consigue gracias a la iluminación completa, a 360°, de la superficie el tiempo en que está encendida.

La **luz rotativa** tiene una intensidad luminosa superior y un tiempo de encendido más reducido para cada uno de los puntos posibles de observación, puesto que cada uno de éstos sólo viene iluminado al pasar la parábola giratoria en su dirección.

La **luz de Xenón** ofrece la máxima intensidad luminosa debido a un tiempo de encendido de la lámpara todavía menor con un pico de luz, sin embargo, muy elevado.

La visibilidad de una luz de Xenón es a 360° y puede ser amplificada por la presencia de un difusor de lente de Fresnel.

LA LUCE - THE LIGHT - LA LUMIERE - DAS LICHT - LA LUZ



LINEA ACUSTICA: PRINCIPALI CARATTERISTICHE TECNICHE E FUNZIONALI DEI PRODOTTI

VOLTAGGIO	CORRENTE	FREQUENZA	SERVIZIO CONTINUO
V 12-24-48-60-110-230-240 ($\pm 10\%$)	— DC (continua) ~~ AC (alternata)	~~ 50/60 Hz	On ∞
IP 66			°C -30 +50
GRADO IP: CORPI SOLIDI E ACQUA	CLASSE II DI ISOLAMENTO		M 16
			TEMPERATURA DI FUNZIONAMENTO PRESSACAVO
CODIFICA: es. SCTBA24D	INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI		
D = corrente continua A = corrente alternata DA = corrente continua e alternata	AT = alta tensione SL = suono - luce A = con acustica BA = basso assorbimento R = retroquadro	FCL = fornito con lampada	VOLTAGGIO CORRENTE CONTINUA LIVELLO ACUSTICO IN DECIBEL (A) MISURATO A 1m

VOLTAGGIO CORRENTE ALTERNATA	V ---	12	24	LIVELLO ACUSTICO IN DECIBEL (A) MISURATO A 1m
	V ~~	12	24	
	A	0.8	0.5	
ASSORBIMENTO DI CORRENTE A=Ampere 1mA=0,001A	dB(A)1m	94	98	
	Hz	1150	1300	
	On ∞			TIPO DI SERVIZIO
FREQUENZA DI SUONO IN HERTZ				

LINEA LUMINOSA: PRINCIPALI CARATTERISTICHE TECNICHE E FUNZIONALI DEI PRODOTTI

VOLTAGGIO	LAMPADA A LED	CORRENTE	FREQUENZA	ENERGIA	1F = MONOLAMPO 2F = BILAMPO 1/4F=1/2/3/4 LAMPI	LAMPI O GIRI PER MINUTO Flash/min. o r.p.m.
V 24~~-110~~-230~~($\pm 10\%$)	Ba 15d LD 105	— DC (continua) ~~ AC (alternata)	~~ 50/60 Hz	J 2	2 F	Flash/min. 65±10
GRADO IP: CORPI SOLIDI E ACQUA	IP 65		°C -30 +40	On ∞		
PROPAGAZIONE LUCE	1 2 3 4 5 6	COLORI DELLA CUPOLA	PC	AUTOESTINGUENTE		
CLASSE II DI ISOLAMENTO		CODICE COLORE		SERVIZIO CONTINUO		
		1 = BLU 2 = ARANCIO 3 = ROSSO 4 = VERDE 5 = GIALLO 6 = NEUTRO		MATERIALE CUPOLA PC: POLICARBONATO PMMA: METACRILATO		

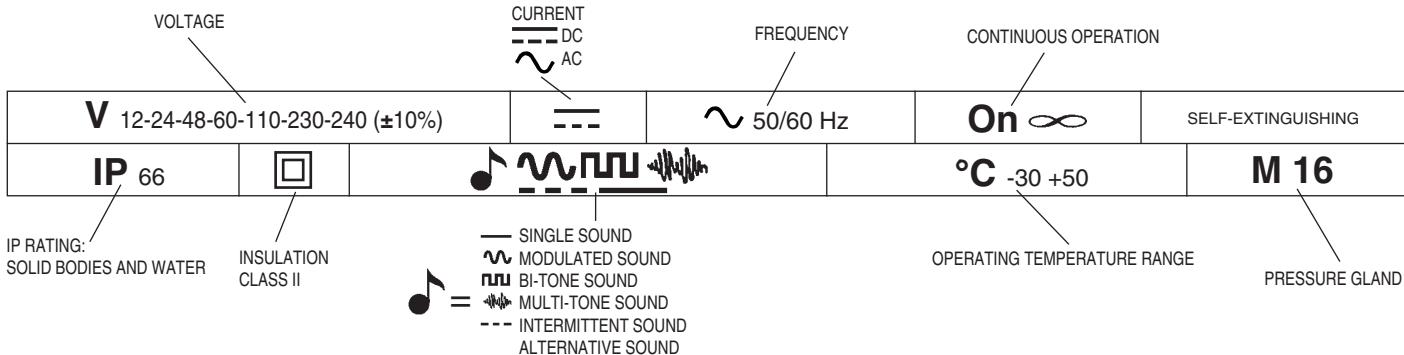
CODIFICA: es. MFNFMT12240DA1 → ■

D = corrente continua A = corrente alternata DA = corrente continua e alternata 1F = monolampo 2F = bilampo 1/4F= 1/2/3/4 Lampi	AT = alta tensione SL = suono - luce L = luce lampeggiante F = luce fissa X = luce xeno A = con acustica
CUPOLA L = liscia R = rigata	L MT = Luce lampeggiante multintensità fornita senza lampada 12-48 V DC 24-240 V AC
BASE B = piana ISO DIN B1 N = piana P = palo ISO C AG = a ghiglianda E = Edison R = retroquadro	F MT = Luce fissa multintensità fornita senza lampada 12-240 V DC/AC
	FCL = fornito con lampada

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

TIPO DI SORGENTE LUMINOSA:	VOLTAGGIO CORRENTE CONTINUA	VOLTAGGIO CORRENTE ALTERNATA
LAMPADA A FILAMENTO	V ---	—
LAMPADA ALOGENA	V ~~	—
TUBO A SCARICA ALLO XENO 1J	BA 15d 25W	110 230 240
TUBO A SCARICA ALLO XENO 2J	A	2,4 1,5 0,2 0,1 0,1
TUBO A SCARICA ALLO XENO 6J	Cd (p)	500 50 75 85
TUBO A SCARICA ALLO XENO 15J	dB(A)1m	85 85 85 85 85
	Hz 3600	— — F/m 110 — — F/m 0
	CANDELE DI PICCO	FREQUENZA SUONO IN HERTZ
ASSORBIMENTO DI CORRENTE A=Ampere 1mA=0,001A	ASSORBIMENTO DI CORRENTE A=Ampere 1mA=0,001A	LIVELLO ACUSTICO IN DECIBEL (A) MISURATO A 1m
		FREQUENZA INTERMITTENZA SUONO

ACOUSTIC RANGE: MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS



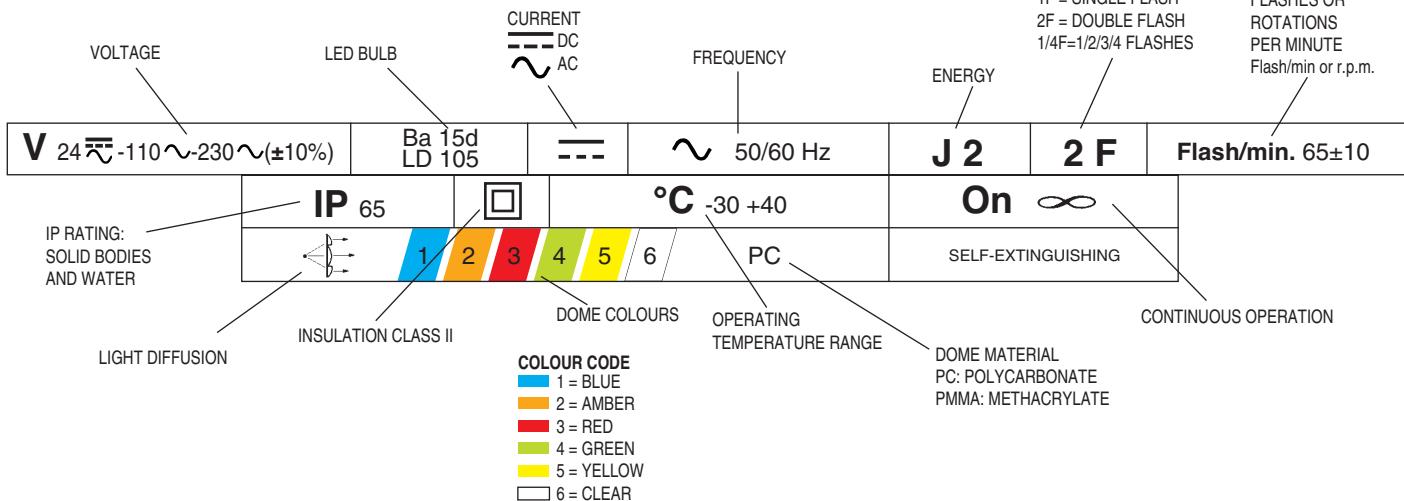
CODIFICATION: e.g. **SCTBA24D**

D	= direct current	AT	= high voltage
A	= alternating current	SL	= sound - light
DA	= direct and alternating current	A	= with acoustics
		BA	= low consumption
		R	= flush mounting
		FCL	= supplied with bulb

TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

DIRECT CURRENT VOLTAGE			SOUND OUTPUT IN DECIBEL (A) MEASURED AT 1m				
ALTERNATING CURRENT VOLTAGE	V ==	12	24				
CURRENT CONSUMPTION A=Ampere 1mA=0,001A	V ~	12	24				
	A	0.8	0.5				
	dB(A)1m	94	98				
	Hz	1150	1300				
	On	∞					
SOUND FREQUENCY IN HERTZ							
OPERATING TYPE							

LUMINOUS RANGE: MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS



CODIFICATION: e.g. MFNFMT12240DA1→

D	= direct current
A	= alternating current
DA	= direct and alternating current
1F	= single flash
2F	= double flash
1/4F =	1/2/3/4 flashes
 DOME	
L	= smooth
R	= engraved
 BASE	
B	= flat ISO DIN B1
N	= flat
P	= pole ISO C
AG	= tubular
E	= Edison
R	= flush mounting
AT	= high voltage
SL	= sound - light
L	= flashing light
F	= continuous light
X	= xenon flashing light
A	= with acoustics
L MT	= multi voltage flashing beacon supplied without bulb 12÷48 V DC 24÷240 V AC
F MT	= multi voltage continuous light beacon supplied without bulb 12÷240 V DC/AC
FCL	= supplied with bulb

TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

TYPE OF LUMINOUS SOURCE	DIRECT CURRENT VOLTAGE	ALTERNATING CURRENT VOLTAGE				
		V =	V ~	110	230	240
FILAMENT BULB	12	24	—	—	—	
HALOGEN BULB	A	2,4	1,5	0,2	0,1	0,1
XENON TUBE 1J	Cd (p)	500	500	50	75	85
XENON TUBE 2J	dB(A)1m	85	85	85	85	85
XENON TUBE 6J	Hz 3600	F/m 110				F/m 0
XENON TUBE 15J	PEAK CANDELAS	SOUND FREQUENCY IN HERTZ				
	CURRENT CONSUMPTION A=Ampere 1mA=0,001A	SOUND OUTPUT IN DECIBEL (A) MEASURED AT 1m				
		SOUND INTERMITTENCE FREQUENCY				

LIGNE ACOUSTIQUE: PRINCIPALES CARACTÉRISTIQUES TECHNIQUES ET FONCTIONNELLES DES PRODUITS

TENSION	COURANT	FREQUENCE	SERVICE CONTINU
V 12-24-48-60-110-230-240 ($\pm 10\%$)	— DC (continu) ~ AC (alternatif)	~ 50/60 Hz	On ∞
IP 66	□		AUTO-EXTINGUIBLE
DEGRE IP: CORPS SOLIDES ET EAU	CLASSE II D'ISOLATION		°C -30 +50
			M 16

CODIFICATION: ex., **SCTBA24D**

D	= courant continu	AT	= haute tension
A	= courant alternatif	SL	= son - lumière
DA	= courant continu et alternatif	A	= avec acoustique
		BA	= basse consommation
		R	= à encastreer
		FCL	= fourni avec ampoule

INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

TENSION COURANT CONTINU		NIVEAU DE PRESSION ACOUSTIQUE EN DECIBEL (A) MESURE A 1m	
TENSION COURANT ALTERNATIF		V ---	12
		V ~	12
		A	0.8
		dB(A)1m	94
		Hz	1150
		On	∞
CONSOMMATION DE COURANT	A = Ampere 1mA = 0,001A	FREQUENCE DU SON EN HERTZ	TYPE DE SERVICE

LIGNE LUMINEUSE: PRINCIPALES CARACTÉRISTIQUES TECHNIQUES ET FONCTIONNELLES DES PRODUITS

The diagram illustrates the technical specifications of a light fixture, including:

- TENSION:** V 24 ~ -110 ~ -230 ~ ($\pm 10\%$)
- AMPOULE A LED:** Ba 15d LD 105
- COURANT:** DC (continu) AC (alternatif)
- FREQUENCE:** ~ 50/60 Hz
- ENERGIE:** J 2, 2 F, Flash/min. 65±10
- ECLATS OU TOURS PAR MINUTE:** Flash/min ou r.p.m.
- DEGRE IP:** IP 65
- CORPS SOLIDES ET EAU:** (Icon showing water droplets)
- CLASSE II D'ISOLATION:** (Icon showing a plug)
- COULEURS DU DOME:** 1 BLEU, 2 ORANGE, 3 ROUGE, 4 VERT, 5 JAUNE, 6 TRANSPARENT
- TEMPERATURE DE FONCTIONNEMENT:** °C -30 +40
- MATERIAL DU DOME:** PC: POLYCARBONATE, PMMA: METHACRYLATE
- SERVICE CONTINU:** On, infinity symbol
- OTHER:** AUTO-EXTINGUIBLE

CODIFICATION: ex. MFNFMT12240DA1 → ■

D	= courant continu
A	= courant alternatif
DA	= courant continu et alternatif
1F	= simple éclat
2F	= double éclat
1/4F	= 1/2/3/4 éclats
DOME	
L	= lisse
R	= strié
EMBASE	
B	= embase plate ISO DIN B1
N	= embase plate
P	= fixation à boulon simple ISO C
AG	= fixation sur tube
E	= Edison
R	= à encastreter
AT	= haute tension
SL	= son - lumière
L	= lumière clignotante
F	= lumière fixe
X	= lumière à éclats
A	= avec acoustique
L MT	= Feu clignotant multitension fourni sans ampoule 12-48 V DC 24-240 V AC
F MT	= Feu à lumière fixe multitension fourni sans ampoule 12-240 V DC/AC
FCL	= fourni avec ampoule

INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

AKUSTISCHE LINIE: TECHNISCHE UND FUNKTIONELLE HAUPTMERKMALE DER PRODUKTE

The diagram illustrates a power cord with the following markings:

- SPANNUNG:** V 12-24-48-60-110-230-240 ($\pm 10\%$)
- STROMART:** DC (Gleichstrom) or AC (Wechselstrom)
- FREQUENZ:** 50/60 Hz
- DAUERBETRIEB:** On ∞
- SELBSTLÖSCHEND:** SELBSTLÖSCHEND
- IP 66:** IP-SCHUTZART: FESTE FREMDKÖRPER-WASSER
- ISOLATIONSKLASSE II:** ISOLATIONSKLASSE II
- M 16:** KABELDURCHFÜHRUNG
- TONFOLGEN:**
 - LINEARE TONFOLGE
 - ~~ MODULIERTE TONFOLGE
 - BITONALE TONFOLGE
 - ~~~~ PLURITONALE TONFOLGE
 - - - UNTERBROCHENE TONFOLGE
 - ALTERTATIVER TONFOLGE

CODIERUNG: Beispiel **SCTBA24D**

D	= Gleichstrom	AT	= Hochspannung
A	= Wechselstrom	SL	= Ton - Licht
DA	= Gleichstrom und Wechselstrom	A	= mit Akustik
		BA	= niedriger Stromverbrauch
		R	= Unterputz-Montage
		FCL	= geliefert mit Leuchtmittel

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE

SPANNUNG GLEICHSTROM		SCHALLDRUCKPEGEL IN DEZIBEL (A) BEI 1m DISTANZ GEMESSEN	
SPANNUNG WECHSELSTROM			
V ---		12	24
V ~		12	24
A	0.8	0.5	
dB(A)1m	94	98	
Hz	1150	1300	
On	∞		

STROMVERBRAUCH
A=Ampere
1mA=0,001A

TONFREQUENZ IN HERTZ

BETRIEBSTYP

OPTISCHE LINIE: TECHNISCHE UND FUNKTIONELLE HAUPTMERKMALE DER PRODUKTE

The diagram illustrates the technical specifications of a lighting fixture, including:

- Spannung (Voltage):** V 24 ~-110~-230~(±10%)
- LED-Leuchtmittel (LED Light Source):** Ba 15d LD 105
- Stromart (Current Type):** DC (Gleichstrom) or AC (Wechselstrom)
- Frequenz (Frequency):** 50/60 Hz
- Energie (Energy):** J 2, 2 F, Flash/min. 65±10
- Blitze oder Umdrehungen pro Minute (Flashes or Rotations per Minute):** 1F = Einzelblitz, 2F = Doppelblitz, 1/4F = 1/2/3/4 Blitze
- IP-Schutzart (Protection Class):** IP 65
- Isolationsklasse II (Insulation Class):** Indicated by a square symbol.
- Betriebstemperatur (Operating Temperature):** °C -30 +40
- Lichtstrahlung (Light Emission):** On, infinity symbol
- Haubenfarben (Cup Colors):** 1 (Blue), 2 (Yellow), 3 (Red), 4 (Green), 5 (Lemon Yellow), 6 (Colorless).
- Haubenmaterial (Cup Material):** PC (Polycarbonate) or PMMA (Metacrylate).
- Dauerbetrieb (Continuous Operation):** Indicated by a diagonal line.
- Farbenencode (Color Code):**
 - 1 = BLAU
 - 2 = GELB
 - 3 = ROT
 - 4 = GRÜN
 - 5 = ZITRONENGELB
 - 6 = FARBLOS

CODIERUNG: Beispiel MFNFMT12240DA1 →

A	= Gleichstrom	AT	= Hochspannung
A	= Wechselstrom	SL	= Ton - Licht
DA	= Gleichstrom und Wechselstrom	L	= Blinklicht
1F	= Einzelblitz	F	= Dauerlicht
2F	= Doppelblitz	X	= Blitzlicht
1/4F=1	= 1/2/3/4 Blitz	A	= mit Akustik
 HAUBE		L MT	= Multispansnung Blinkleuchte ohne Leuchtmittel geliefert
L	= glatte Haube		12-48 V DC
R	= geriffelte Haube		24-240 V AC
 SOCKEL		 F MT	= Multispansnung Dauerleuchte ohne Leuchtmittel geliefert
B	= flacher Sockel ISO DIN B1		12-240 V DC/AC
N	= flacher Sockel		
P	= Gewinderohr-Stutzen ISO C		
AG	= Rohrstutzen-Sockel	 FCL	= geliefert mit Leuchtmittel
E	= Edison		
R	= Unterputz-Montage		

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE

LICHTQUELLENTYP	SPANNUNG GLEICHSTROM			SPANNUNG WECHSELSTROM		
GLÜH LAMPE	V ---	12	24	-	-	-
HALOGEN LAMPE	V ~			110	230	240
XENON-BLITZ RÖHRE 1J	A	2,4	1,5	0,2	0,1	0,1
XENON-BLITZ RÖHRE 2J	Cd (p)	500	500	50	75	85
XENON-BLITZ RÖHRE 6J	dB(A)1m	85	85	85	85	85
XENON-BLITZ RÖHRE 15J	Hz 3600	♪ - - F/m 110 ♪	F/m 0			
	SPITZENWERT- CANDELAS			TONFREQUenz IN HERTz		
	STROMVERBRAUCH			SCHALDRUCKPEGEL IN DEZIBEL (A) BEI 1m. DISTANZ GEMESSEN		
	A=Ampere 1mA=0,001A					FREQUenz DER TONINTERMITTENZ

LÍNEA ACÚSTICA: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

VOLTAJE	CORRIENTE	FRECUENCIA	SERVICIO CONTINUO
V 12-24-48-60-110-230-240 ($\pm 10\%$)	— DC (continua) ~~ AC (alterna)	~ 50/60 Hz	On ∞
IP 66			°C -30 +50
GRADO DE IP: CUERPOS SÓLIDOS Y AGUA	CLASE II DE AISLAMIENTO		M 16
			PRENSAESTOPAS

CODIFICACIÓN: ej. SCTBA24D

D	= corriente continua	AT	= alta tensión
A	= corriente alterna	SL	= sonido - luz
DA	= corriente continua y alterna	A	= con acústica
		BA	= baja absorción
		R	= para empotrar
FCL = suministrado con lámpara			

INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

VOLTAJE CORRIENTE CONTINUA	NIVEL ACÚSTICO EN DECIBELIO MEDIDO A 1m
V ——	12 24
V ~	12 24
A	0.8 0.5
dB(A)1m	94 98
Hz	1150 1300
On ∞	

VOLTAJE CORRIENTE ALTERNA

ABSORCIÓN DE CORRIENTE
A=Ampere
1mA=0,001A

FRECUENCIA DEL SONIDO EN HERTZIO

TIPO DE SERVICIO

LÍNEA LUMINOSA: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

VOLTAJE	LÁMPARA DE LED	CORRIENTE	FRECUENCIA	ENERGÍA	DESTELLOS O VUELTAS POR MINUTO
V 24 ~~ -110 ~-230 ~ ($\pm 10\%$)	Ba 15d LD 105	— DC (continua) ~~ AC (alterna)	~ 50/60 Hz	J 2	1F = DESTELLO SIMPLE 2F = DESTELLO DOBLE 1/4F=1/2/3/4 DESTELLOS
GRADO DE IP: CUERPOS SÓLIDOS Y AGUA	IP 65		°C -30 +40	2 F	DESTELLOS O VUELTAS POR MINUTO Flash/min. o r.p.m.
PROPIAGACIÓN DE LA LUZ	1 2 3 4 5 6	PC	On ∞	Flash/min. 65±10	
CLASE II DE AISLAMIENTO	COLORES DE LA CÚPULA	TEMPERATURA OPERATIVA	AUTOEXTINGUIBLE	SERVICIO CONTINUO	
	CÓDIGO COLOR 1 = AZUL 2 = NARANJA 3 = ROJO 4 = VERDE 5 = AMARILLO 6 = NEUTRO			MATERIAL CÚPULA PC: POLICARBONATO PMMA: METACRILATO	

CODIFICACIÓN: ej. MFNFMT12240DA1 → ■

D	= corriente continua	AT	= alta tensión
A	= corriente alterna	SL	= sonido - luz
DA	= corriente continua y alterna	L	= luz intermitente
1F	= destello simple	F	= luz fija
2F	= destello doble	X	= luz de xenón
1/4F	= 1/2/3/4 Destellos	A	= con acústica
CÚPULA		L MT	Luz intermitente multivoltaje suministrada sin lámpara 12-48 V DC 24-240 V AC
L	= lisa		
R	= grabada		
BASE			
B	= llana ISO DIN B1	F MT	Luz fija multivoltaje suministrada sin lámpara 12-240 V DC/AC
N	= llana		
P	= de perno simple ISO C		
AG	= de tubo		
E	= Edison		
R	= para empotrar	FCL	= suministrado con lámpara

INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

TIPO DE FUENTE LUMINOSA	VOLTAJE CORRIENTE CONTINUA	VOLTAJE CORRIENTE ALTERNA
LÁMPARA INCANDESCENTE	V ——	—
LÁMPARA HALÓGENA	V ~	—
TUBO DE DESCARGA DE XENÓN 1J	BA 15d 25W	110 230 240
TUBO DE DESCARGA DE XENÓN 2J		
TUBO DE DESCARGA DE XENÓN 6J		
TUBO DE DESCARGA DE XENÓN 15J		
CANDELAS/PICO		
CONSUMO DE CORRIENTE A=Ampere 1mA=0,001A		
FRECUENCIA SONIDO EN HERTZIO		
NIVEL ACÚSTICO EN DECIBELIO (A) MEDIDO A 1m		
FRECUENCIA INTERMITENCIA SONIDO		

MATERIALI ESTERNI

- | | |
|--|--|
| 1. Base ISO DIN B1: PC | 35. Cappello: ABS |
| 2. Base ISO DIN B1: Alluminio | 36. Ghiera: PC |
| 3. Base ISO DIN B1: PA | 37. Ghiera: Alluminio |
| 4. Base ISO DIN B1: PVC | 38. Campana: Acciaio Verniciato |
| 5. Base: PVC | 39. Campana: Acciaio INOX |
| 6. Base: PC | 40. Attacco a vite |
| 7. Attacco a ghianda: Alluminio | 41. Contenitore: UP |
| 8. Base: ABS | 42. Martello: Alluminio |
| 9. Base: Lamiera | 43. Prolunga flessibile: acciaio |
| 10. Attacco filettato 3/4"G: Acciaio INOX | 44. Prolunga: acciaio INOX |
| 11. Corpo: PC | 45. Supporto ISO DIN A: PA |
| 12. Corpo: ABS | 46. Staffa: PC |
| 13. Corpo-Base: PA | 47. Corpo: PP |
| 14. Corpo: Alluminio | 48. Coperchi posteriori: PP |
| 15. Contenitore: PVC | 49. Corpo, rondella, ghiera: ABS |
| 16. Contenitore: PA | 50. Guarnizione base: Forprene |
| 17. Griglia: Acciaio Zincato | 51. Guarnizione per diffusore suono: NBR |
| 18. Griglia: Alluminio | 52. Corpo: ASA |
| 19. Diffusore suono: ABS | 53. Gomma anteriore e posteriore: EPDM |
| 20. Diffusore direzionale suono: Alluminio | 54. Manico: ABS |
| 21. Diffusore direzionale suono: ABS | 55. Corpo: TPE |
| 22. Diffusore suono: Alluminio | 56. Ventosa: EPDM |
| 23. Diffusore suono: Lamiera verniciata | 57. Contenitore magnete: PA |
| 24. Diffusore suono: PC | 58. Contenitore circuito: PC |
| 25. Diffusore luce: Vetro | 59. Protezione antiurto: PVC |
| 26. Supporto attacco magnetico: Lamiera | 60. Struttura tubolare: Forprene |
| 27. Supporto ISO DIN A: Lamiera | 61. Base: Forprene |
| 28. Supporto attacco a baionetta: PC | 62. Corpo: Alluminio anodizzato nero |
| 29. Staffa: Lamiera Zincata | 63. Protezione antiurto: Forprene |
| 30. Staffa: Lamiera Verniciata | 64. Cono diffusore: PP Bassa densità |
| 31. Staffa: Acciaio Verniciato | 65. Guarnizione: PVC |
| 32. Flangia: PA | 66. Base: Tecnoprene |
| 33. Flangia: Lamiera Verniciata | 67. Ghiera fissaggio buzzer: ABS |
| 34. Cappello: Alluminio | |

INDICE DI PROTEZIONE (EN 60529)

Prima cifra: protezione contro corpi solidi estranei		Seconda cifra: protezione contro l'acqua		
IP		IP		
0		0		Non protetto
1		1		Protetto contro la caduta verticale di gocce d'acqua (condensa)
2		2		Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15°
3		3		Protetto contro la caduta verticale di pioggia con un'inclinazione fino a 60°
4		4		Protetto contro gli spruzzi d'acqua da tutte le direzioni
5		5		Protetto contro i getti d'acqua da tutte le direzioni
6		6		Totalmente protetto contro i getti d'acqua potenti
7		7		Protetto contro gli effetti dell'immersione
8		8		Protetto contro gli effetti dell'immersione continua in condizioni specificate

EXTERNAL MATERIALS

- 1. Base - ISO DIN B1: PC
- 2. Base - ISO DIN B1: Aluminium
- 3. Base - ISO DIN B1: PA
- 4. Base - ISO DIN B1: PVC
- 5. Base: PVC
- 6. Base: PC
- 7. Tube mount: Aluminium
- 8. Base: ABS
- 9. Base: Metal plate
- 10. 3/4" G threaded mount: Stainless steel
- 11. Body: PC
- 12. Body: ABS
- 13. Body-base: PA
- 14. Body: Aluminium
- 15. Container: PVC
- 16. Container: PA
- 17. Grid: Zinc coated steel
- 18. Grid: Aluminium
- 19. Sound diffuser: ABS
- 20. Directional sound diffuser: Aluminium
- 21. Directional sound diffuser: ABS
- 22. Sound diffuser: Aluminium
- 23. Sound diffuser: Painted metal plate
- 24. Sound diffuser: PC
- 25. Light diffuser: Glass
- 26. Magnet mount: Metal plate
- 27. ISO DIN A mount: Metal plate
- 28. Bayonet mount: PC
- 29. Bracket: Zinc coated metal plate
- 30. Bracket: Painted metal plate
- 31. Bracket: Painted steel
- 32. Flange: PA
- 33. Flange: Painted metal plate
- 34. Cap: Aluminium
- 35. Cap: ABS
- 36. Ring: PC
- 37. Ring: Aluminium
- 38. Bell: Painted steel
- 39. Bell: Stainless steel
- 40. Stud mount
- 41. Box: UP
- 42. Hammer: Aluminium
- 43. Flexible Extension: Steel
- 44. Extension: Stainless Steel
- 45. ISO DIN A mount: PA
- 46. Bracket: PC
- 47. Body: PP
- 48. Rear covers: PP
- 49. Body, washer, ring: ABS
- 50. Base gasket: Forprene
- 51. Gasket for sound diffuser: NBR
- 52. Body: ASA
- 53. Front and rear rubber parts: EPDM
- 54. Handle: ABS
- 55. Body: TPE
- 56. Suction pad: EPDM
- 57. Magnet cover: PA
- 58. Circuit holder: PC
- 59. Anti-shock protection: PVC
- 60. Tubular structure: Forprene
- 61. Base: Forprene
- 62. Body: Anodised black aluminium
- 63. Anti-shock protection: Forprene
- 64. Signalling diffuser: PP Low Density
- 65. Gasket: PVC
- 66. Base: Tecnoprene
- 67. Buzzer lock ring: ABS

DEGREE OF PROTECTION (EN 60529)

First digit: protection against accidental contact and penetration by solid foreign bodies		Second digit: protection against penetration of liquids	
IP		IP	
0		0	No particular protection
1		1	Protection against the vertical fall of drops of water (e.g. condensation)
2		2	Protection against the vertical fall of drops of water with a maximum incline of 15°
3		3	Protection against the vertical fall of drops of water with a maximum incline of 60°
4		4	Protection against splashes of water from all directions
5		5	Protection against jets of water from all directions
6		6	Protection against waves of water or powerful jets
7		7	Protection against the effects of immersion
8		8	Protection against the effects of prolonged immersion under pressure

MATERIAUX EXTERNALES

- | | |
|--|---|
| 1. Embase ISO DIN B1: PC | 35. Chapeau: ABS |
| 2. Embase ISO DIN B1: Aluminium | 36. Collier: PC |
| 3. Embase ISO DIN B1: PA | 37. Collier: Aluminium |
| 4. Embase ISO DIN B1: PVC | 38. Cloche: Acier verni |
| 5. Embase: PVC | 39. Cloche: Acier INOX |
| 6. Embase: PC | 40. Fixation à boulon simple |
| 7. Fixation sur tube: Aluminium | 41. Boîte: UP |
| 8. Embase: ABS | 42. Marteau: Aluminium |
| 9. Embase: Tôle | 43. Support tubulaire flexible: Acier |
| 10. Fixation filetée 3/4" G : Acier INOX | 44. Rallonge: Acier INOX |
| 11. Corps: PC | 45. Support ISO DIN A: PA |
| 12. Corps: ABS | 46. Bride: PC |
| 13. Corps - Embase: PA | 47. Corps: PP |
| 14. Corps: Aluminium | 48. Couvercles postérieurs: PP |
| 15. Enveloppe: PVC | 49. Corps, rondelle, collier: ABS |
| 16. Enveloppe: PA | 50. Joint de base: Forprene |
| 17. Grille: Acier zingué | 51. Joint pour diffuseur de son: NBR |
| 18. Grille: Aluminium | 52. Corps: ASA |
| 19. Diffuseur de son: ABS | 53. Parties en caoutchouc antérieures et postérieures: EPDM |
| 20. Diffuseur directionnel de son: Aluminium | 54. Poignée: ABS |
| 21. Diffuseur directionnel de son: ABS | 55. Corps: TPE |
| 22. Diffuseur de son: Aluminium | 56. Ventouse: EPDM |
| 23. Diffuseur de son: Tôle vernie | 57. Cuvette aimant: PA |
| 24. Diffuseur de son: PC | 58. Boîtier circuit: PC |
| 25. Diffuseur de lumière: Verre | 59. Protection anti-choque: PVC |
| 26. Support fixation magnétique: Tôle | 60. Structure tubulaire: Forprene |
| 27. Support fixation ISO DIN A: Tôle | 61. Embase: Forprene |
| 28. Support fixation à baïonnette: PC | 62. Corps: Aluminium anodisé noir |
| 29. Bride: Tôle zinguée | 63. Protection anti-choque: Forprene |
| 30. Bride: Tôle vernie | 64. Diffuseur de signalisation: PP Basse Densité |
| 31. Bride: Acier verni | 65. Joint: PVC |
| 32. Bride d'attache: PA | 66. Embase: Tecnoprene |
| 33. Bride d'attache: Tôle vernie | 67. Collier de fixation buzzer: ABS |
| 34. Chapeau: Aluminium | |

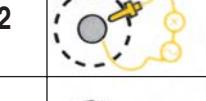
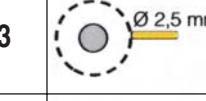
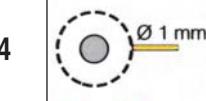
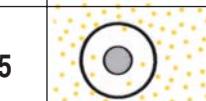
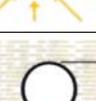
INDICES DE PROTECTION (EN 60529)

1er chiffre: protection contre les corps solides		2e chiffre: protection contre les corps liquides	
IP		IP	
0		Pas de protection	 0 Pas de protection
1		Protégé contre les corps solides supérieurs à 50 mm (ex.: contacts involontaires de la main)	 1 Protégé contre les chutes verticales de gouttes d'eau (condensation)
2		Protégé contre les corps solides supérieurs à 12,5 mm (ex.: doigt de la main)	 2 Protégé contre les chutes de gouttes d'eau jusqu'à 15° de la verticale
3		Protégé contre les corps solides supérieurs à 2,5 mm (outils, vis)	 3 Protégé contre l'eau en pluie jusqu'à 60° de la verticale
4		Protégé contre les corps solides supérieurs à 1 mm (outils fins, petits fils)	 4 Protégé contre les projections d'eau de toutes directions
5		Protégé contre les poussières (pas de dépôt nuisible)	 5 Protégé contre les jets d'eau de toutes directions à la lance
6		Totalement protégé contre les poussières	 6 Totalement protégé contre les projections d'eau assimilables aux paquets de mer
7			 7 Protégé contre les effets de l'immersion
8			 8 Protégé contre les effets de l'immersion prolongée dans des conditions spécifiées

AUSSEN MATERIALIEN

1. ISO DIN B1 Sockel: PC
2. ISO DIN B1 Sockel: Alu
3. ISO DIN B1 Sockel: PA
4. ISO DIN B1 Sockel: PVC
5. Sockel: PVC
6. Sockel: PC
7. Rohrbefestigung: Alu
8. Sockel: ABS
9. Blechsockel
10. 3/4" G Gewinde - Befestigung: rostfreier Stahl
11. Gehäuse: PC
12. Gehäuse: ABS
13. Gehäuse - Sockel: PA
14. Gehäuse: Alu
15. Behälter: PVC
16. Behälter: PA
17. Schutzwand: verzinkter Stahl
18. Schutzwand: Alu
19. Tondiffusor: ABS
20. Richt-Tondiffusor: Alu
21. Richt-Tondiffusor: ABS
22. Tondiffusor: Alu
23. Tondiffusor: lackiertes Blech
24. Tondiffusor: PC
25. Lichtschirm: Glas
26. Blechträger mit Magnetbefestigung
27. Blechträger mit ISO DIN A Befestigung
28. Träger aus PC - Bajonett-Befestigung
29. Tragbügel: verzinktes Blech
30. Tragbügel: lackiertes Blech
31. Tragbügel: lackierter Stahl
32. Befestigungsflansch: PA
33. Befestigungsflansch: lackiertes Blech
34. Schirm: Alu
35. Schirm: ABS
36. Nutmutter: PC
37. Nutmutter: Alu
38. Glocke: lackierter Stahl
39. Glocke: rostfreier Stahl
40. Schraubbefestigung
41. Gehäuse: UP
42. Hammer: Alu
43. Flexibles Rohr: Stahl
44. Verlängerung: rostfreier Stahl
45. Träger mit ISO DIN A Befestigung: PA
46. Tragbügel: PC
47. Gehäuse: PP
48. Hintere Deckel: PP
49. Gehäuse, Scheibe, Nutmutter: ABS
50. Sockeldichtung: Fôrpren
51. Tondiffusor-Dichtung: NBR
52. Gehäuse: ASA
53. Vordere und hintere Gummidichtung: EPDM
54. Griff: ABS
55. Gehäuse: TPE
56. Saugfuß: EPDM
57. Magnetbehälter: PA
58. Schaltkreisbehälter: PC
59. Stoßfester Schutz: PVC
60. Rohrförmige Struktur: Fôrpren
61. Sockel: Fôrpren
62. Gehäuse: schwarze eloxierte Alulegierung
63. Stoßfester Schutz: Fôrpren
64. Lichtdiffusor: PP Low Density
65. Dichtung: PVC
66. Sockel: Tecnoprene
67. Summerbefestigung-Nutmutter: ABS

SCHUTZARTEN (EN 60529)

Erste Ziffer: Schutz gegen feste Fremdkörper			Zweite Ziffer: Wasserschutz		
IP			IP		
0		Kein Schutz	0		Kein Schutz
1		Schutz gegen feste Fremdkörper 50 mm Durchmesser (z.B. Berührung mit Handrücken)	1		Schutz gegen senkrecht tropfendes Wasser
2		Schutz gegen feste Fremdkörper 12,5 mm Durchmesser (z.B. Berührung mit Fingern)	2		Schutz gegen schräg (15°) tropfendes Wasser
3		Schutz gegen feste Fremdkörper 2,5 mm Durchmesser (z.B. Berührung mit Werkzeugen)	3		Schutz gegen Sprühwasser schräg bis (60°)
4		Schutz gegen feste Fremdkörper 1 mm Durchmesser (z.B. Berührung mit einem Draht)	4		Schutz gegen Spritzwasser aus allen Richtungen
5		Staubgeschützt	5		Schutz gegen Strahlwasser
6		Staubdicht	6		Schutz gegen starkes Strahlwasser
			7		Schutz gegen zeitweiliges Untertauchen in Wasser
			8		Schutz gegen dauerndes Untertauchen in Wasser

MATERIALES EXTERIORES

1. Base ISO DIN B1: PC
2. Base ISO DIN B1: Aluminio
3. Base ISO DIN B1: PA
4. Base ISO DIN B1: PVC
5. Base: PVC
6. Base: PC
7. Fijación de tubo: Aluminio
8. Básae: ABS
9. Base: Chapa
10. Fijación roscada 3/4" G : Acero INOX
11. Cuerpo: PC
12. Cuerpo: ABS
13. Cuerpo-Base: PA
14. Caja: Aluminio
15. Caja: PVC
16. Caja: PA
17. Rejilla: Acero cincado
18. Rejilla: Aluminio
19. Difusor del sonido: ABS
20. Difusor direccional del sonido: Aluminio
21. Difusor direccional del sonido: ABS
22. Difusor del sonido: Aluminio
23. Difusor del sonido: Chapa pintada
24. Difusor del sonido: PC
25. Difusor de luz: Vidrio
26. Soporte fijación magnética: Chapa
27. Soporte ISO DIN A: Chapa
28. Soporte fijación de bayoneta: PC
29. Soporte: Chapa cincada
30. Soporte: Chapa pintada
31. Soporte: Acero pintado
32. Brida: PA
33. Brida: Chapa pintada
34. Tapa: Aluminio
35. Tapa: ABS
36. Virola: PC
37. Virola: Aluminio
38. Campana: Acero pintado
39. Campana: Acero Inox
40. Fijación de tornillo
41. Carcasa: UP
42. Martillo: Aluminio
43. Extensión: Acero
44. Extensión: Acero Inox
45. Soporte ISO DIN A: PA
46. Soporte: PC
47. Cuerpo: PP
48. Tapas posteriores: PP
49. Cuerpo, arandela, virola: ABS
50. Junta de base: Forprene
51. Junta para difusor del sonido: NBR
52. Cuerpo: ASA
53. Partes de caucho anteriores y posteriores: EPDM
54. Empuñadura: ABS
55. Cuerpo: TPE
56. Ventosa: EPDM
57. Alojamiento imán: PA
58. Caja Circuito: PC
59. Protección antichoque: PVC
60. Estructura Tubular: Forprene
61. Base: Forprene
62. Cuerpo: Aluminio anodizado negro
63. Protección antichoque: Forprene
64. Cono Difusor: PP baja densidad
65. Junta: PVC
66. Base: Tecnoprene
67. Virola de fijación zumbador: ABS

ÍNDICES DE PROTECCIÓN (EN 60529)

1º cifra: protección contra los cuerpos sólidos		2º cifra: protección contra los cuerpos líquidos		
IP		IP		
0		0		Sin protección
1		1		Protegido contra las caídas verticales de gotas de agua (condensación)
2		2		Protegido contra las caídas de agua hasta 15° de la vertical
3		3		Protegido contra el agua de lluvia hasta 60° de la vertical
4		4		Protegido contra las proyecciones de agua en todas direcciones
5		5		Protegido contra el lanzamiento de agua en todas direcciones
6		6		Protegido contra el lanzamiento de agua similar a los golpes de mar
7		7		Protegido contra la inmersión
8		8		Protegido contra los efectos prolongados de inmersión bajo presión



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V 12-24-48-110-230-240 ($\pm 10\%$)	\equiv	\sim 50/60 Hz	On: 1 min. Off: 10 min. (BA=On ∞)
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 43		



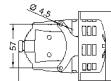
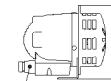
MINI CELERE
MINI CELERE BA

MCL

MCL BA

(11) (19) (29)

V \sim	12	24	48	110	230	240
A	2.8	1.5	0.8	0.45	0.24	0.25
dB(A)1m	101	102	102	100	101	102
Hz	1600	1600	1650	1500	1600	1700
On: 1 min. Off: 10 min.						<input type="checkbox"/>



Kg. 0,4
BA Kg. 0,3

MCL12DA	42000	MCLBA12D	42006
MCL24DA	42001	MCLBA24D	42007
MCL48DA	42002		
MCL110DA	42003		
MCL230DA	42004		
MCL240DA	42005		



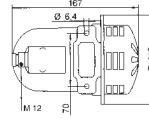
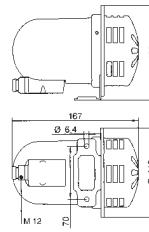
CELERE
CELERE BA

CL

CL BA

(11) (19) (29)

V \sim	12	24	48	110	230	240
A	10.6	7.5	3.4	1.0	0.70	0.75
dB(A)1m	107	112	112	109	112	112
Hz	1150	1400	1450	1100	1400	1500
On: 1 min. Off: 10 min.						<input type="checkbox"/>



Kg. 1,2
BA Kg. 0,6

CL12DA	42020	CLBA12D	42026
CL24DA	42021	CLBA24D	42027
CL48DA	42022		
CL110DA	42023		
CL230DA	42024		
CL240DA	42025		



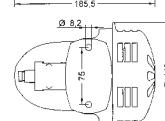
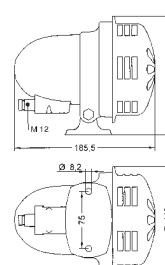
SUPER CELERE
SUPER CELERE BA

SCL

SCL BA

(11) (19) (46)

V \sim	12	24	48	110	230	240
A	17.4	8.8	6.2	1.9	1.0	1.1
dB(A)1m	114	115	116	116	116	117
Hz	900	900	1000	1000	1000	1050
On: 1 min. Off: 10 min.						<input type="checkbox"/>



Kg. 1,6
BA Kg. 1,5

SCL12DA	42040	SCLBA12D	42046
SCL24DA	42041	SCLBA24D	42047
SCL48DA	42042		
SCL110DA	42043		
SCL230DA	42044		
SCL240DA	42045		

Per ordinare l'opzione nera vedere codici su listino in vigore. Termointerruttore di protezione motore montato nelle versioni 110V-230V-240V nei modelli CL-SCL-CT-SCT.

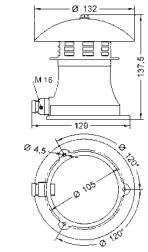
Black option available on request. Thermal circuit breaker to protect the motor installed in versions 110V-230V-240V of types CL-SCL-CT-SCT. / Couleur noire disponible sur demande. Interrupteur thermique de protection moteur monté dans les versions 110V-230V-240V des types CL-SCL-CT-SCT. / Farbe Schwarz auf Anfrage lieferbar. Schütz-Wärmeschalter eingebaut in Ausführungen 110V-230V-240V der Typen CL-SCL-CT-SCT / Color negro disponible bajo petición. Interruptor térmico de protección motor montado en las versiones 110V-230V-240V en los modelos CL-SCL-CT-SCT

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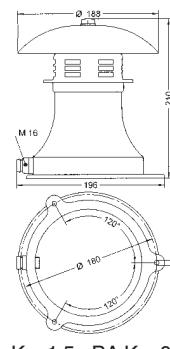
V 12-24-48-110-230-240 ($\pm 10\%$)	---	~ 50/60 Hz	On: 1 min. Off: 10 min. (BA=On ∞)
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 44	<input type="checkbox"/>	

 MINI CELEREST MINI CELEREST BA MCT MCT BA (12 19 34)	V ~	12	24	48	110	230	240	V ---	12	24	
	A	2.8	1.5	0.8	0.45	0.24	0.25	A	1.3	0.55	
	dB(A)1m	96	97	97	95	97	97	dB(A)1m	92	95	
	Hz	1600	1600	1650	1500	1600	1700	Hz	1200	1300	
	On: 1 min. Off: 10 min.					<input type="checkbox"/>	On ∞				
	MCT12DA	42060	MCT110DA	42063	MCTBA12D	42066					
	MCT24DA	42061	MCT230DA	42064	MCTBA24D	42067					
	MCT48DA	42062	MCT240DA	42065							



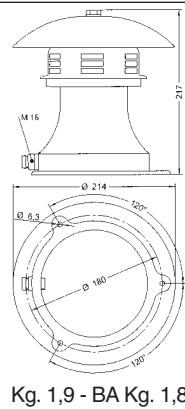
Kg. 0,45 - BA Kg. 0,35

 CELEREST CELEREST BA CT CT BA (12 19 34)	V ~	12	24	48	110	230	240	V ---	12	24	
	A	10.6	7.5	3.4	1.0	0.7	0.75	A	2.5	1.1	
	dB(A)1m	104	106	106	106	106	107	dB(A)1m	100	100	
	Hz	1150	1250	1350	1300	1300	1400	Hz	950	950	
	On: 1 min. Off: 10 min.					<input type="checkbox"/>	On ∞				
	CT12DA	42080	CT110DA	42083	CTBA12D	42086					
	CT24DA	42081	CT230DA	42084	CTBA24D	42087					
	CT48DA	42082	CT240DA	42085							



Kg. 1,5 - BA Kg. 0,9

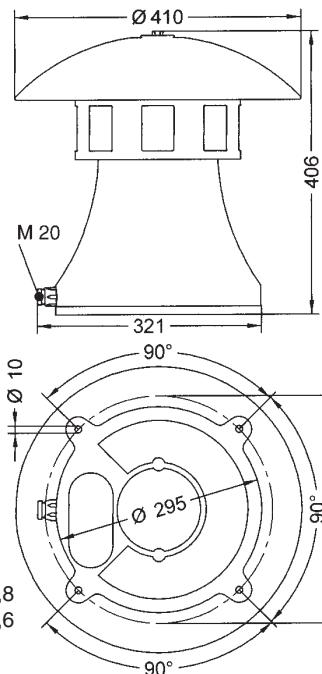
 SUPER CELEREST SUPER CELEREST BA SCT SCT BA (12 19 34)	V ~	12	24	48	110	230	240	V ---	12	24	
	A	17.4	8.8	6.2	1.9	1.0	1.1	A	9.5	5.0	
	dB(A)1m	113	114	115	115	115	116	dB(A)1m	113	113	
	Hz	900	900	1000	1000	1000	1050	Hz	820	820	
	On: 1 min. Off: 10 min.					<input type="checkbox"/>	On ∞				
	SCT12DA	42100	SCT110DA	42103	SCTBA12D	42106					
	SCT24DA	42101	SCT230DA	42104	SCTBA24D	42107					
	SCT48DA	42102	SCT240DA	42105							



Kg. 1,9 - BA Kg. 1,8

V 230-240-380 ($\pm 10\%$)	~ 50/60 Hz	On ∞	IP 44		°C -30 +50	M 20
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 CELERSON CN 1F CN 3F (14 22 34)	V ~	230	240	V ---	230	240	V ~	380	V ---	380	V ~	380
	A	2.0	2.4	A	2.0	2.4	A	1.0	A	1.0	A	1.0
	dB(A)1m	112	112	dB(A)1m	112	112	dB(A)1m	112	dB(A)1m	112	dB(A)1m	112
	Hz	380	390	Hz	380	390	Hz	390	Hz	390	Hz	390
	On ∞					<input type="checkbox"/>	On ∞					
	CN1F230A	50350	CN1F240A	50349	CN3F230380A	50351						



CN 1F Kg. 13,8
CN 3F Kg. 13,6



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V 12-24-110-230-240 ($\pm 10\%$)	$\equiv \equiv$	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 42	<input type="checkbox"/>	

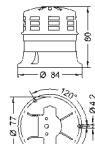


MICRO W10 N

MW10 N

(11) (19)

V $\equiv \equiv$	12	24
V \sim	12	24
A	1.1	0.65
dB(A)1m	94	96
Hz	1350	1500
On ∞		



Kg. 0,15

MWN12D	42200
MWN12A	42201
MWN24D	42202
MWN24A	42203

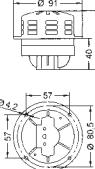


MICRO W10 R

MW10 R

(11) (19)

V $\equiv \equiv$	12	24
A	1.1	0.65
dB(A)1m	94	96
Hz	1350	1500
On ∞		



Kg. 0,15

MWR12D	42208
MWR24D	42209

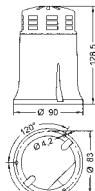


MICRO W10 AT

MW10 AT

(11) (19)

V \sim	110	230	240
mA	130	90	95
dB(A)1m	93	93	93
Hz	1000	1400	1450
On ∞		<input type="checkbox"/>	



Kg. 0,60

MWAT110A	42210
MWAT230A	42211
MWAT240A	42212

SIRENE ELETTRICHE INDUSTRIALI

INDUSTRIAL ELECTRIC MOTOR SIRENS / SIRENES ELECTRIQUES INDUSTRIELLES / ELEKTROMECHANISCHE INDUSTRIE-SIRENEN / SIRENAS ELÉCTRICAS INDUSTRIALES

V 12-24-48 ($\pm 10\%$)	---	\sim 50/60 Hz	On: 1 min. Off: 10 min. (BA=On ∞)
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 30		°C -30 +40

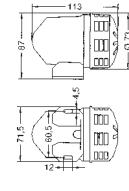


MINI MIDFON
MINI MIDFON BA

MMD
MMD BA

(11) (19)

V \sim	12	24	48
A	2.7	1.6	0.8
dB(A)1m	101	102	102
Hz	1400	1500	1500
On: 1 min. Off: 10 min.			



Kg. 0,4
BA Kg. 0,3

V ---	12	24
A	1.3	0.55
dB(A)1m	97	100
Hz	1200	1300
On ∞		

MMD12DA 50076
MMD24DA 50077
MMD48DA 50078
MMDBA12D 51151
MMDBA24D 51152

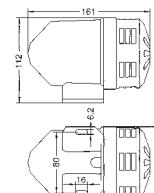


MIDFON
MIDFON BA

MD
MD BA

(11) (19)

V \sim	12	24	48
A	10.6	6.1	3.4
dB(A)1m	106	108	108
Hz	1150	1250	1350
On: 1 min. Off: 10 min.			



Kg. 1,15
BA Kg. 0,55

V ---	12	24
A	3.2	1.7
dB(A)1m	102	102
Hz	950	950
On ∞		

MD12DA 50090
MD24DA 50091
MD48DA 50092
MDBA12D 51301
MDBA24D 51302

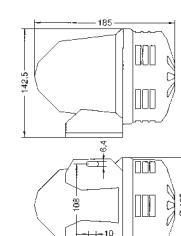


MAXIFON
MAXIFON BA

MX
MX BA

(11) (19)

V \sim	12	24	48
A	17.4	8.8	6.2
dB(A)1m	113	114	115
Hz	900	900	1000
On: 1 min. Off: 10 min.			



Kg. 1,50
BA Kg. 1,40

V ---	12	24
A	9.5	5
dB(A)1m	113	113
Hz	820	820
On ∞		

MX12DA 50300
MX24DA 50301
MX48DA 50302
MXBA12D 51450
MXBA24D 51451



SIRENE ELETTRONICHE

ELECTRONIC SIRENS / SIRENES ELECTRONIQUES / ELEKTRONISCHE SIRENEN / SIRENAS ELECTRÓNICAS

CODIFICA NUOVE SIRENE ELETTRONICHE

CODIFICATION NEW ELECTRONIC SIRENS

CODIFICATION NOUVELLES SIRENES ELECTRONIQUES

CODIERUNG NEUER ELEKTRONISCHEN SIRENEN

CODIFICACIÓN NUEVAS SIRENAS ELECTRÓNICAS

SE 12/30 MS 5	SE 10/32 MS 5 PLC
SE 12/31 MS 5	SE 12/35 MS 32
SE 12/41 MS 5	SE 12/36 MS 32
SE 25/50 MS 5	SE PZ/35 MS 32
SE 25/51 MS 5	SE PZ/36 MS 32
SE 4/25 L PLC	SEP LD85 MS 32
SE 4/29 MS 5	SEP LD85 MS 32 PZ
SE 10/32 MS 5	

SE = Sirena elettronica

Electronic Siren / Sirène électroniques / Elektronische Sirene / Sirena electrónica

4 = 4W potenza unità magnetodinamica

4W magneto-dynamic unit power / 4W puissance unité magnétodynamique / 4W Leistung der magnetodynamischen Einheit / 4W potencia unidad magnetodinámica

10 = 10W potenza unità magnetodinamica

10W magneto-dynamic unit power / 10W puissance unité magnétodynamique / 10W Leistung der magnetodynamischen Einheit / 10W potencia unidad magnetodinámica

12 = 12W potenza unità magnetodinamica

12W magneto-dynamic unit power / 12W puissance unité magnétodynamique / 12W Leistung der magnetodynamischen Einheit / 12W potencia unidad magnetodinámica

25 = 25W potenza unità magnetodinamica

25W magneto-dynamic unit power / 25W puissance unité magnétodynamique / 25W Leistung der magnetodynamischen Einheit / 25W potencia unidad magnetodinámica

PZ = unità piezoelettrica / piezoelectric unit / unité piézoélectrique / piezoelektrische Einheit / unidad piezoelectrica

L = suono lineare / single sound / son linéaire / lineare Tonfolge / sonido lineal

MS 5 = multisuono - 5 tonalità / multi-sound - 5 tones / multison - 5 tonalités / mehrtonig - 5 Tonfolgen / pluritonal - 5 tonos

MS 32 = multisuono - 32 tonalità / multi-sound - 32 tones / multison - 32 tonalités / mehrtonig - 32 Tonfolgen / pluritonal - 32 tonos

PLC = funzionamento tramite PLC / operation by means of a PLC / fonctionnement par PLC / Betrieb durch PLC / funcionamiento por medio de PLC

dB (A) 1m Min. - Max.

Tutte le nuove sirene elettroniche hanno due regolazioni:

- livello del volume regolabile in dB (A) da min. a max.
- progressione del suono regolabile in durata

The sound of the new electronic sirens is adjusted in two ways:

- volume level regulated in dB(A) from min. to max.

- sound progression regulated in time

Toutes les nouvelles sirènes électroniques ont deux réglages :

- niveau du son réglable en dB (A) de min. à max.
- progression du son réglable en durée

Alle neuen elektronischen Sirenen haben zwei Regelungen:

- Lautstärke in dB(A) regelbar (Min - Max
- Dauer der Tonprogression regelbar

Las nuevas sirenas electrónicas tienen dos regulaciones:

- nivel del volumen regulable en dB(A) de min. a max.
- progresión del sonido regulable en duración

INTERMITTENTE / INTERMITTENT INTERMITTENT / AUSETZEND / INTERMITTENTE		PLURITONALE / MULTI-TONE / MULTITONAL / PLURITONAL / PLURITONAL	
LINEARE / SINGLE / LINEAIRE / LINEAR / LINEAL		MODULATO / MODULATED / MODULE / MODULIERT / MODULADO	
BITONALE / BI-TONE / BITONAL / BITONAL / BITONAL		EVACUAZIONE (SA) / EVACUATION (SA) / EVACUATION (SA) / EVAKIE- RUNG (SA) / EVACUACIÓN (SA)	

	DESCRIZIONE SUONO Sound Description / Type de son / Tonfolge / Descripción sonido	FREQUENZE SUONO Sound Frequency / Fréquences du son / Ton-Frequenzen / Frecuencias sonido
	LINEARE SINGLE / LINEAIRE / LINEAR / LINEAL	1000 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	600/700 Hz
	PLURITONALE / MULTI-TONE / MULTITONAL / PLURITONAL / PLURITONAL	1000÷1700 Hz
	MODULATO / MODULATED / MODULE / MODULIERT / MODULADO	1000÷1700 Hz
	EVACUAZIONE (SA) / EVACUATION (SA) / EVACUATION (SA) / EVAKIE- RUNG (SA) / EVACUACIÓN (SA)	440/560 Hz

	Descrizione suono Sound Description / Type de son / Tonfolge / Descripción sonido	Frequenze suono Sound Frequency / Fréquences du son / Ton-Frequenzen / Frecuencias sonido
	LINEARE SINGLE / LINEAIRE / LINEAR / LINEAL	1000 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	600 / 700 Hz
	PLURITONALE MULTI-TONE / MULTITONAL / PLURITONAL / PLURITONAL	1000÷1700 Hz
	MODULATO MODULATED / MODULE / MODULIERT / MODULADO	1000÷1700 Hz
	EVACUAZIONE EVACUATION / EVAKIERTUNG / EVACUACIÓN	440 / 560 Hz
	BITONALE VELOCE FAST BI-TONE / BITONAL RAPIDE / SCHNELL BITONAL / BITONAL RÁPIDO	800/970 Hz
	PLURITONALE VELOCE FAST MULTI-TONE / MULTITONAL RAPIDE / SCHNELL PLURITONAL / PLURITONAL RÁPIDO	800÷970 Hz
	PLURITONALE LENTO SLOW MULTI-TONE / MULTITONAL LENT / LANGSAM PLURITONAL / PLURITONAL LENTO	800÷970 Hz
	LINEARE SINGLE / LINEAIRE / LINEAR / LINEAL	2850 Hz
	PLURITONALE VELOCE FAST MULTI-TONE / MULTITONAL RAPIDE / SCHNELL PLURITONAL / PLURITONAL RÁPIDO	2400÷2850 Hz
	PLURITONALE LENTO SLOW MULTI-TONE / MULTITONAL LENT / LANGSAM PLURITONAL / PLURITONAL LENTO	2400÷2850 Hz
	PLURITONALE INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSETZEND / INTERMITTENTE	500÷1200 Hz
	PLURITONALE DESCENDENTE / DESCENDING MULTI-TONE / MULTITONAL DESCENDANT / ABSTEL- GEND PLURITONAL / PLURITONAL DESCENDIENTE	1200÷500 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	2400 / 2850 Hz
	INTERMITTENTE LENTO SLOW INTERMITTENT / INTERMITTENT LENT / LANGSAM AUSETZEND / INTERMITTENTE LENTO	970 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	800 / 970 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSETZEND / INTERMITTENTE	970 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSETZEND / INTERMITTENTE	660 Hz
	INTERMITTENTE LENTO SLOW INTERMITTENT / INTERMITTENT LENT / LANGSAM AUSETZEND / INTERMITTENTE LENTO	660 Hz
	LINEARE SINGLE / LINEAIRE / LINEAR / LINEAL	500 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	440 / 550 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSETZEND / INTERMITTENTE	660 Hz
	INTERMITTENTE VELOCE FAST INTERMITTENT / INTERMITTENT RAPIDE / SCHNELL AUSETZEND / INTERMITTENTE RÁPIDO	2850 Hz
	PLURITONALE (BUZZER) MULTI-TONE (BUZZER) / MULTITONAL (BUZZER) / PLURITONAL (SUMMER) / PLURITONAL (BUZZER)	800÷970 Hz
	PLURITONALE (BUZZER) MULTI-TONE (BUZZER) / MULTITONAL (BUZZER) / PLURITONAL (SUMMER) / PLURITONAL (BUZZER)	2400÷2850 Hz
	INTERMITTENTE VELOCE FAST INTERMITTENT / INTERMITTENT RAPIDE / SCHNELL AUSETZEND / INTERMITTENTE RÁPIDO	2850 Hz
	LINEARE SINGLE / LINEAIRE / LINEAR / LINEAL	300 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON InterrUPCIÓN	600 / 700 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON InterrUPCIÓN	1200 / 1700 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON InterrUPCIÓN	2400 / 2850 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	600 / 700 Hz
	MODULATO MODULATED / MODULE / MODULIERT / MODULADO	1400÷1600 Hz

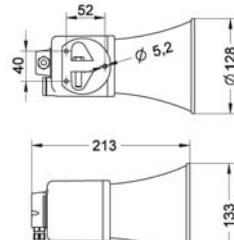
V 12÷24 — -48~ -110~ -240 ~ ($\pm 10\%$)	—	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTODEXTINGÜBLE	IP 43 54		



SE 12/30 MS 5
SE1230MS5

V—	12÷24
V~	
mA	450 | 700
dB(A)1m	Min 102 - Max 114
	IP 43

SE1230MS51224DA 50405



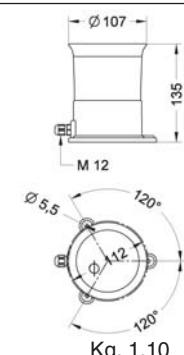
Kg. 1,00



SE 12/31 MS 5
SE1231MS5

V—	12÷24
V~	
mA	500 | 750
dB(A)1m	Min 97.5 - Max 110
	IP 54

SE1231MS51224DA 50400

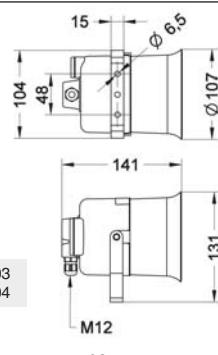


Kg. 1,10



SE 12/41 MS 5 *
SE1241MS5

V—	12÷24	—	—	—
V~		48	110	240
mA	500 | 760	200	100	65
dB(A)1m	Min 96.5 - Max 108		IP 43	

SE1241MS51224DA 50401 SE1241MS5110A 50403
SE1241MS548A 50402 SE1241MS5240A 50404

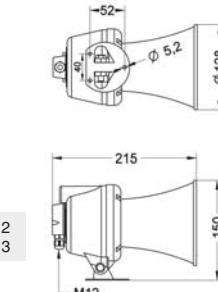
Kg. 1,10

* Disponibili versioni IP 54 a richiesta / * IP 54 versions available on request / * Versions IP 54 disponibles sur demande /
* IP 54 Ausführungen auf Anfrage lieferbar / * Versiones IP 54 disponibles bajo petición



SE 25/50 MS 5 *
SE2550MS5

V—	12÷24	—	—	—
V~		48	110	240
A	0.83 | 1.35	0.47	0.22	0.1
dB(A)1m	Min 106 - Max 116.5		IP 43	

SE2550MS51224DA 50410 SE2550MS5110A 50412
SE2550MS548A 50411 SE2550MS5240A 50413

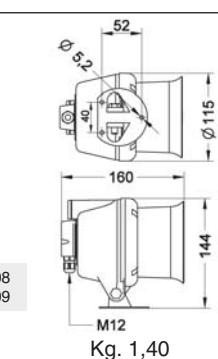
Kg. 1,40

* Disponibili versioni IP 54 a richiesta / * IP 54 versions available on request / * Versions IP 54 disponibles sur demande /
* IP 54 Ausführungen auf Anfrage lieferbar / * Versiones IP 54 disponibles bajo petición



SE 25/51 MS 5
SE2551MS5

V—	12÷24	—	—	—
V~		48	110	240
A	0.95 | 1.6	0.6	0.3	0.15
dB(A)1m	Min 100 - Max 110		IP 43	

SE2551MS51224DA 50406 SE2551MS5110A 50408
SE2551MS548A 50407 SE2551MS5240A 50409

Kg. 1,40



SIRENE ELETTRONICHE

ELECTRONIC SIRENS / SIRENES ELECTRONIQUES / ELEKTRONISCHE SIRENEN / SIRENAS ELECTRÓNICAS

V 12÷24 ~ -48~ -110~ -240~ ($\pm 10\%$)	---	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 30	□	音波 波形 波浪 波纹

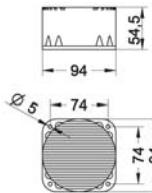


SE 4/25 L PLC
SE425LPLC

(8)

V ---	24
mA	120
dB(A)1m	93

IP 30



SE425LPLC24D 50414

Kg. 0,30

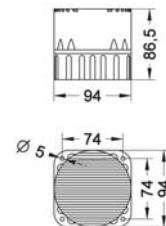


SE 4/29 MS 5
SE429MS5

(8)

V ---	12÷24			-	-	-
	48	110	240			
mA	350	370	130	55	36	
dB(A)1m			Min 86.5 - Max 97		IP 30	

SE429MS51224DA 50415 SE429MS5110A 50417
SE429MS548A 50416 SE429MS5240A 50418



Kg. 0,60

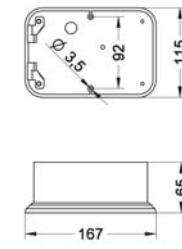


SE 10/32 MS 5
SE1032MS5

(8)

V ---	12÷24			-	-	-
	48	110	240			
mA	370	400	120	55	25	
dB(A)1m		Min 88.5 - Max 99.5		IP 30		

SE1032MS51224DA 50419 SE1032MS5110A 50421
SE1032MS548A 50420 SE1032MS5240A 50422



Kg. 1,00

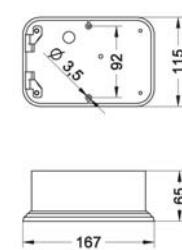


SE 10/32 MS 5 PLC
SE1032MS5PLC

(8)

V ---	24
mA	370
dB(A)1m	Min 93 - Max 96.5

IP 30



Kg. 0,60

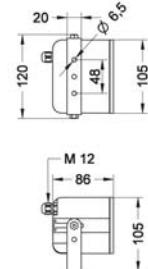
V 12÷24 $\overline{\overline{\overline{V}}}$ -48 \sim -110 \sim -240 \sim ($\pm 10\%$)	$\equiv \equiv$	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 43		



SE 12/35 MS 32
SE1235MS32

V $\overline{\overline{\overline{V}}}$	12÷24
V \sim	
mA	400 | 650
dB(A)1m	Min 102 - Max 114
	IP 43

SE1235MS321224DA 50424

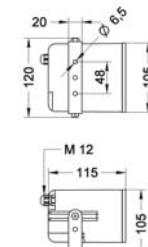


Kg. 0,70



SE 12/36 MS 32
SE1236MS32

V $\overline{\overline{\overline{V}}}$	-	-	-
V \sim	48	110	240
mA	200	90	60
dB(A)1m	Min 108 - Max 113		
	IP 43		

SE1236MS3248A 50425
SE1236MS32110A 50426
SE1236MS32240A 50427

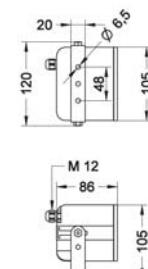
Kg. 1,00



SE PZ/35 MS 32
SEPZ35MS32

V $\overline{\overline{\overline{V}}}$	12÷24
V \sim	
mA	530 | 240
dB(A)1m	Min 98 - Max 106
	IP 43

SEPZ35MS321224DA 50428

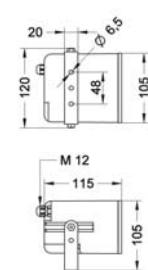


Kg. 0,40



SE PZ/36 MS 32
SEPZ36MS32

V $\overline{\overline{\overline{V}}}$	-	-	-
V \sim	48	110	240
mA	80 | 35 | 15		
dB(A)1m	Min 99 - Max 104		
	IP 43		

SEPZ36MS3248A 50429
SEPZ36MS32110A 50430
SEPZ36MS32240A 50431



RONZATORI MULTIFUNZIONE (SUONO/LUCE)

MULTIFUNCTION BUZZERS (SOUND/LIGHT) / BUZZERS MULTIFONCTION (SON/LUMIERE)
MULTIFUNKTION-SUMMER (TON/LICHT) / ZUMBADORES MULTIFUNCIÓN (SONIDO/LUZ)

V 12-24-48-110-240 ($\pm 10\%$)	---	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 55	<input type="checkbox"/>	---



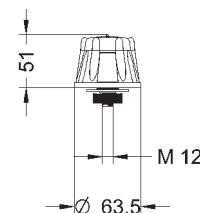
BIMF 5T 2B

BIMF5T2B

49 50

BIMF5T2B12240DA 38030

V---	12 \div 24 \div 48 \div 110 \div 240				
v~					
mA	25	12	12	10	13
dB(A)1m	85	85	85	85	85
Hz	2500 \pm 500				



Kg. 0,102

N°	1	2	Suono Intermittente Lento Slow Intermittent Sound Son Intermitte lent Langsam aussetzende Tonfolge Sonido Intermitente lento
ON			
OFF	X	X	

N°	1	2	Suono Intermittente Veloce Fast Intermittent Sound Son Intermittent rapide Schnell aussetzende Tonfolge Sonido Intermitente rápido
ON	X		
OFF		X	

N°	1	2	Suono Continuo Continuous Sound Son continu Lineare Tonfolge Sonido continuo
ON		X	
OFF	X		
N°	1	2	
ON	X	X	
OFF			



R BIMF 5T 2B

RBIMF5T2B

49 50

RBIMF5T2B12240DA 38032

- Installazione ad incasso foro Ø 12 mm. Fornito adattatore per foro Ø 16 mm – Ø 22 mm
- Flush mounting with openings Ø 12 mm. Supplied with adapter for openings Ø 16 mm - Ø 22 mm
- Installation à encastrer dans des perçages Ø 12 mm. Fourni avec adaptateur pour perçages Ø 16 mm - Ø 22 mm
- Unterputz-Montage mit Öffnung Ø 12 mm. Geliefert mit Adapter für Öffnungen Ø 16 mm - Ø 22 mm
- Instalación para empotrar en cuadro con agujero Ø 12 mm. Suministrado con adaptador para agujeros Ø 16 mm - Ø 22 mm



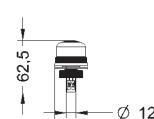
RONZATORI PER SEGNALAZIONI INDUSTRIALI

BUZZERS FOR INDUSTRIAL APPLICATIONS / BUZZERS POUR SIGNALISATIONS INDUSTRIELLES / INDUSTRIE AKUSTISCHE MELDER/ ZUMBADORES PARA SEÑALIZACIÓN INDUSTRIAL

V 12-24-48-110-240 ($\pm 10\%$)	---	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 55	<input type="checkbox"/>	---



V ---	12	24	48	110	240
v~				110	240
mA	10	10	10	3.5	7
dB(A)1m	82	82	82	82	82
Hz	4000 \pm 300				



Kg. 0,043

BEBIP

BEBIP

19 49

BEBIP12DA 38000	BEBIP110A 38004
BEBIP24DA 38001	BEBIP24D 38005
BEBIP48DA 38002	BEBIP240A 38006
BEBIP110D 38003	

- Installazione ad incasso foro Ø 12 mm. Fornito adattatore per foro Ø 16 mm – Ø 22 mm
- Flush mounting with openings Ø 12 mm. Supplied with adapter for openings Ø 16 mm - Ø 22 mm
- Installation à encastrer dans des perçages Ø 12 mm. Fourni avec adaptateur pour perçages Ø 16 mm - Ø 22 mm
- Unterputz-Montage mit Öffnung Ø 12 mm. Geliefert mit Adapter für Öffnungen Ø 16 mm - Ø 22 mm
- Instalación para empotrar en cuadro con agujero Ø 12 mm. Suministrado con adaptador para agujeros Ø 16 mm - Ø 22 mm

Per ordinare l'opzione nera vedere codici su listino in vigore / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición



RONZATORI PER SEGNALAZIONI INDUSTRIALI

BUZZERS FOR INDUSTRIAL APPLICATIONS / BUZZERS POUR SIGNALISATIONS INDUSTrielLES /
INDUSTRIE AKUSTISCHE MELDER / ZUMBADORES PARA SEÑALIZACIÓN INDUSTRIAL

V 12-24-48-110-230-240 ($\pm 10\%$)	==	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 30		---



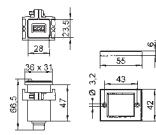
(11) (24)



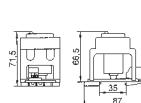
BIP 81
BIP 81

BIP 81 MCA

V ==	12	24	48	110	230	240
V \sim				110	230	240
mA	3.5	3.5	3.5	3.5	3.5	3.5
dB(A)1m	72	72	72	72	72	72
Hz 1800						



Kg. 0,04



Kg. 0,07

• **Installazione ad incasso foro quadro**

- Flush mounting with square openings
- Installation à encaster dans des perçages carrés
- Unterputz-Montage mit einer viereckigen Öffnung
- Instalación para empotrar en cuadro con agujero cuadrado

BIP8112DA	42300	BIP81230D	42305	BIP81MCA12DA	42309	BIP81MCA230D	42314
BIP8124DA	42301	BIP81230A	42306	BIP81MCA24DA	42310	BIP81MCA230A	42315
BIP8148DA	42302	BIP81240D	42307	BIP81MCA48DA	42311	BIP81MCA240D	42316
BIP81110D	42303	BIP81240A	42308	BIP81MCA110D	42312	BIP81MCA240A	42317
BIP81110A	42304			BIP81MCA110A	42313		



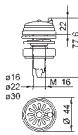
(11) (24) (36)



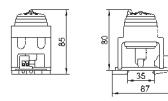
BIP 92
BIP 92

BIP 92 MCA

V ==	12	24	48	110	230	240
V \sim				110	230	240
mA	5	5	5	5	5	5
dB(A)1m	75	75	75	75	75	75
Hz 3600						



Kg. 0,04



Kg. 0,07

• **Installazione ad incasso foro tondo (\varnothing 16-22-30 mm)**

- Flush mounting with round openings (\varnothing 16-22-30 mm)
- Installation à encaster dans des perçages ronds (\varnothing 16-22-30 mm)
- Unterputz-Montage mit runden Öffnungen (\varnothing 16-22-30 mm)
- Instalación para empotrar en cuadro con agujero redondo (\varnothing 16-22-30 mm)

BIP9212DA	42318	BIP92230D	42323	BIP92MCA12DA	42327	BIP92MCA230D	42332
BIP9224DA	42319	BIP92230A	42324	BIP92MCA24DA	42328	BIP92MCA230A	42333
BIP9248DA	42320	BIP92240D	42325	BIP92MCA48DA	42329	BIP92MCA240D	42334
BIP92110D	42321	BIP92240A	42326	BIP92MCA110D	42330	BIP92MCA240A	42335
BIP92110A	42322			BIP92MCA110A	42331		

ADATTATORE BIP
BIP ADAPTER
ADAPTATEUR BIP
BIP ADAPTER
ADAPTADOR BIP

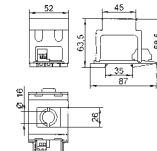


ADA BIP

• **Adattatori barra DIN per quadri elettrici disponibili anche montati e cablati**

- DIN adapters also available wired and fitted for electric panels
- Adaptateurs DIN pour montage sur faces avant disponibles aussi montés et câblés
- Adapter für DIN Profilschiene zur Installation auf Schalttafeln verfügbar auch montiert und verkabelt
- Adaptadores para carril DIN para cuadros eléctricos disponibles montados y cableados también

ADABIP 33500



Kg. 0,05



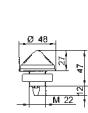
(11) (24) (36)

BIP OS 93
BIP OS 93

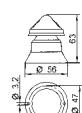


(11) (24)

V ==	12	24	48	110	230	240
V \sim				110	230	240
mA	5	5	5	5	5	5
dB(A)1m	75	75	75	75	75	75
Hz 4000						



Kg. 0,04



Kg. 0,06

• **Installazione ad incasso foro tondo (\varnothing 22 mm) o su supporto orientabile**

- Flush mounting with round openings (\varnothing 22 mm) or on swivel support
- Installation à encaster dans des perçages ronds (\varnothing 22 mm) ou sur un support orientable
- Unterputz-Montage mit einer runden Öffnung (\varnothing 22 mm) oder auf schwenkbare Halterung
- Instalación para empotrar en cuadro con agujero redondo (\varnothing 22 mm) ó sobre soporte orientable

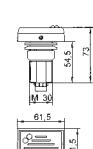
BIPOS9312DA	42336	BIPOS93230D	42341
BIPOS9324DA	42337	BIPOS93230A	42342
BIPOS9348DA	42338	BIPOS93240D	42343
BIPOS93110D	42339	BIPOS93240A	42344
BIPOS93110A	42340		



BIP 84
BIP 84

(11) (24) (37)

V ==	12	24	48	110	230	240
V \sim				110	230	240
mA	6	6	6	6	6	6
dB(A)1m	80	80	80	80	80	80
Hz 2200-3500						



Kg. 0,08

Per ordinare l'opzione nera vedere codici su listino in vigore / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición



AVVISATORI ACUSTICI INDUSTRIALI

INDUSTRIAL HORMS / AVERTISSEURS INDUSTRIELS / INDUSTRIE SIGNALHUPEN / BOCINAS INDUSTRIALES

V 12-24-48-110-240 ($\pm 10\%$)	$\equiv \equiv$	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 43	<input type="checkbox"/>	\sim ---



BABYSAI LD6

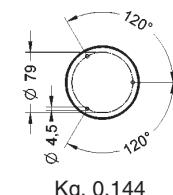
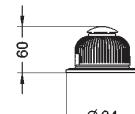
BABYSAI LD6

BABYSAILD612D	37801	BABYSAILD624A	37806
BABYSAILD624D	37802	BABYSAILD648A	37807
BABYSAILD648D	37803	BABYSAILD6110A	37808
BABYSAILD612A	37805	BABYSAILD6240A	37809

SUONO CONTINUO - SINGLE SOUND -
SON CONTINU - LINEARE TONFOLGE - SONIDO LINEAL

V \equiv	12	24	48
mA	55	65	30
dB(A)1m	93	90	93

V \sim	12	24	48	110	240
mA	105	145	120	60	35
dB(A)1m	83	85	85	90	90



Kg. 0,144



R BABYSAI LD6

R BABYSAI LD6

RBABYSAILD612D	37821	RBABYSAILD624A	37826
RBABYSAILD624D	37822	RBABYSAILD648A	37827
RBABYSAILD648D	37823	RBABYSAILD6110A	37828
RBABYSAILD612A	37825	RBABYSAILD6240A	37829

M 16

BABYSAI LD6 PG16

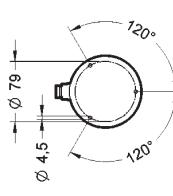
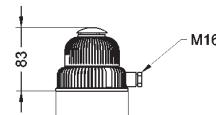
BABYSAI LD6 PG16

BABYSAILD6PG1612D	37831	BABYSAILD6PG1624A	37836
BABYSAILD6PG1624D	37832	BABYSAILD6PG1648A	37837
BABYSAILD6PG1648D	37833	BABYSAILD6PG16110A	37838
BABYSAILD6PG1612A	37835	BABYSAILD6PG16240A	37839

SUONO CONTINUO - SINGLE SOUND -
SON CONTINU - LINEARE TONFOLGE - SONIDO LINEAL

V \equiv	12	24	48
mA	55	65	30
dB(A)1m	93	90	93

V \sim	12	24	48	110	240
mA	105	145	120	60	35
dB(A)1m	83	85	85	90	90



Kg. 0,181



R BABYSAI LD6 PG16

R BABYSAI LD6 PG16

M 16

RBABYSAILD6PG1612D	37851	RBABYSAILD6PG1624A	37856
RBABYSAILD6PG1624D	37852	RBABYSAILD6PG1648A	37857
RBABYSAILD6PG1648D	37853	RBABYSAILD6PG16110A	37858
RBABYSAILD6PG1612A	37855	RBABYSAILD6PG16240A	37859



BABYSAI LD6 PG16 SI

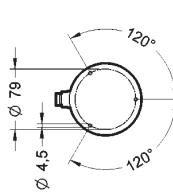
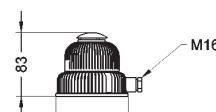
BABYSAI LD6 PG16 SI

M 16

SUONO INTERMITTENTE - INTERMITTENT SOUND -
SON INTERMITTENT - AUSSETZENDE TONFOLGE -
SONIDO INTERMITENTE

V \equiv	12	24	48
mA	55	65	30
dB(A)1m	93	90	93

V \sim	12	24	48	110	240
mA	105	145	120	60	35
dB(A)1m	83	85	85	90	90



Kg. 0,215



R BABYSAI LD6 PG16 SI

R BABYSAI LD6 PG16 SI

M 16

RBABYSLD6PG16SI2D	37881	RBABYSLD6PG16SI24A	37886
RBABYSLD6PG16SI24D	37882	RBABYSLD6PG16SI48A	37887
RBABYSLD6PG16SI48D	37883	RBABYSLD6PG16SI110A	37888
RBABYSLD6PG16SI12A	37885	RBABYSLD6PG16SI240A	37889

Per ordinare l'opzione nera vedere codici su listino in vigore / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición



AVVISATORI ACUSTICI INDUSTRIALI

INDUSTRIAL HORMS / AVERTISSEURS INDUSTRIELS / INDUSTRIE SIGNALHUPEN / BOCINAS INDUSTRIALES

V 12-24-48-110-230-240 ($\pm 10\%$)	\sim 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE
IP 65	<input type="checkbox"/>	— ---	Hz 300÷350 °C -30 +40

SUONO CONTINUO - SINGLE SOUND - SON CONTINU
LINEARE TONFOLGE - SONIDO LINEAL



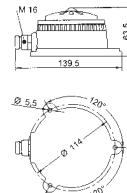
MICROSAI

MS

(11) (19)

M 16

V \sim	12	24	48	110	230	240
mA	830	415	210	90	45	42
dB(A)1m	95	95	95	95	95	95



Kg. 0,31



MICROSAI SI

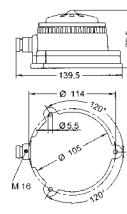
MS SI

(11) (19)

M 16

SUONO INTERMITTENTE - INTERMITTENT SOUND -
SON INTERMITTENT - AUSETZENDE TONFOLGE -
SONIDO INTERMITENTE

V \sim	12	24	48	110	230	240
mA	850	430	220	95	48	45
dB(A)1m	95	95	95	95	95	95



Kg. 0,38



MICROSAI SD

MS SD

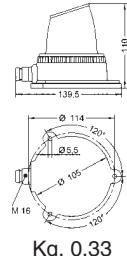
(11) (20)

M 16

SUONO CONTINUO - SINGLE SOUND - SON CONTINU
LINEARE TONFOLGE - SONIDO LINEAL

V \sim	12	24	48	110	230	240
mA	830	415	210	90	45	42
dB(A)1m	95	95	95	95	95	95

MSSD12A 53050 MSSD110A 53054
MSSD24A 53051 MSSD230A 53055
MSSD48A 53053 MSSD240A 53057



Kg. 0,33



MICROSAI SD SI

MS SD SI

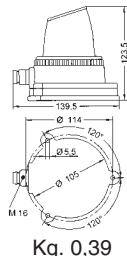
(11) (20)

M 16

SUONO INTERMITTENTE - INTERMITTENT SOUND -
SON INTERMITTENT - AUSETZENDE TONFOLGE -
SONIDO INTERMITENTE

V \sim	12	24	48	110	230	240
mA	850	430	220	95	48	45
dB(A)1m	95	95	95	95	95	95

MSSDSI12A 53551 MSSDSI110A 53554
MSSDSI24A 53552 MSSDSI230A 53555
MSSDSI48A 53553 MSSDSI240A 53556



Kg. 0,39



(11) (19)

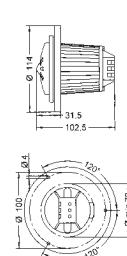
MICROSAI R
MS R

MICROSAI R SI
MS R SI

V \sim	12	24	48	110	230	240
mA	830	415	210	90	45	42
dB(A)1m	95	95	95	95	95	95

SUONO CONTINUO
SINGLE SOUND - SON CONTINU
LINEARE TONFOLGE - SONIDO LINEAL

V \sim	12	24	48	110	230	240
mA	850	430	220	95	48	45
dB(A)1m	95	95	95	95	95	95



Kg. 0,42



(11) (20)

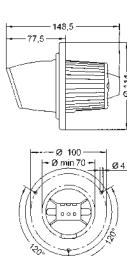
MICROSAI SD R
MS SD R

MICROSAI SD R SI
MS SD R SI

V \sim	12	24	48	110	230	240
mA	830	415	210	90	45	42
dB(A)1m	95	95	95	95	95	95

SUONO CONTINUO
SINGLE SOUND - SON CONTINU
LINEARE TONFOLGE - SONIDO LINEAL

V \sim	12	24	48	110	230	240
mA	850	430	220	95	48	45
dB(A)1m	95	95	95	95	95	95



Kg. 0,42

Per ordinare l'opzione nera vedere codici su listino in vigore / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición



AVVISATORI ACUSTICI INDUSTRIALI

INDUSTRIAL HORMS / AVERTISSEURS INDUSTRIELS / INDUSTRIE SIGNALHUPEN / BOCINAS INDUSTRIALES

V 12-24-48-110-230-240 ($\pm 10\%$)	---	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 54		$^{\circ}\text{C}$ -30 +40

SUONO CONTINUO SINGLE SOUND - SON CONTINUO - LINEARE TONFOLGE - SONIDO LINEAL	SAI SAI	V --- | 12 | 24 | 48 A | 1.7 | 0.9 | 0.45 dB(A)1m | 110 | 110 | 110 Hz 600÷20000	V \sim | 12 | 24 | 48 | 110 | 230 | 240 A | 1.9 | 1.1 | 0.54 | 0.19 | 0.12 | 0.13 dB(A)1m | 105 | 105 | 105 | 105 | 105 | 106 Hz 800÷15000		
SUONO INTERMITTENTE INTERMITTENT SOUND - SON INTERMITTENT - AUSSETZENDE TONFOLGE - SONIDO INTERMITENTE	SAI SI SAI SI 	(11 19)	SAI12D 42250 SAI48A 42255 SAI12A 42251 SAI110A 42257 SAI24D 42252 SAI230A 42258 SAI24A 42253 SAI240A 42259 SAI48D 42254	SAISI12A 42361 SAISI110A 42366 SAISI24A 42363 SAISI230A 42367 SAISI48A 42365 SAISI240A 42368	Kg. 0,7

SUONO CONTINUO SINGLE SOUND - SON CONTINUO - LINEARE TONFOLGE - SONIDO LINEAL	SAI SD SAI SD	V --- | 12 | 24 | 48 A | 1.7 | 0.9 | 0.45 dB(A)1m | 110 | 110 | 110 Hz 600÷20000	V \sim | 12 | 24 | 48 | 110 | 230 | 240 A | 1.9 | 1.1 | 0.54 | 0.19 | 0.12 | 0.13 dB(A)1m | 105 | 105 | 105 | 105 | 105 | 106 Hz 800÷15000		
SUONO INTERMITTENTE INTERMITTENT SOUND - SON INTERMITTENT - AUSSETZENDE TONFOLGE - SONIDO INTERMITENTE	SAI SD SI SAI SD SI 	(11 20)	SAISD12D 42270 SAISD48A 42275 SAISD12A 42271 SAISD110A 42277 SAISD24D 42272 SAISD230A 42278 SAISD24A 42273 SAISD240A 42279 SAISD48D 42274	SAISDSI12A 42370 SAISDSI110A 42375 SAISDSI24A 42372 SAISDSI230A 42376 SAISDSI48A 42374 SAISDSI240A 42377	Kg. 0,7

Per ordinare l'opzione nera vedere codici su listino in vigore / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición

V 12-24-48-110-230-240 ($\pm 10\%$)	---	\sim 50/60 Hz	On: 1 min. Off: 10 min.
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 54		$^{\circ}\text{C}$ -30 +50

 BLINDO SAI BD S	M 12	V --- | 12 | 24 | 48 | 110 | 230 A | 2 | 1 | 0.5 | 0.22 | 0.11 dB(A)1m | 107 | 107 | 107 | 107 | 107 Hz 800÷18000	V \sim | 12 | 24 | 48 | 110 | 230 | 240 A | 4 | 1.5 | 1.3 | 0.33 | 0.10 | 0.10 dB(A)1m | 102 | 102 | 102 | 102 | 102 | 102 Hz 1000÷12000	
BLINDO SAI M MD BD S 	(2 17 23)	BDS12D 86510 BDS24A 86501 MDBDS110D 86524 BDS240D 86506 MDBDS12D 86525 MDBDS24A 86516 BDS110A 86503 BDS240A 86505 BDS12A 86500 BDS48D 86512 MDBDS110A 86527 MDBDS240A 86520 MDBDS12A 86515 BDS48A 86502 BDS230D 86514 BDS24D 86511 MDBDS48A 86522 BDS230A 86504 MDBDS24D 86526 BDS110D 86513 MDBDS230A 86528		Kg. 1,1

 BLINDO MAXISAI BD MXS	M 16	V --- | 12 | 24 | 48 | 110 | 230 A | 2.5 | 1.2 | 0.5 | 0.25 dB(A)1m | 110 | 110 | 110 | 110 | 110 Hz 600÷20000	V \sim | 12 | 24 | 48 | 110 | 230 | 240 A | 8.0 | 3.0 | 2.0 | 0.33 | 0.10 | 0.10 dB(A)1m | 105 | 105 | 105 | 105 | 105 | 105 Hz 800÷15000	
BLINDO MAXISAI M MD BD MXS 	(2 17 23)	BDMXS12D 86535 BDMXS48D 86543 BDMXS230A 86534 MDBDMXS12D 86529 BDMXS48A 86544 MDDBDMXS230A 86540 BDMXS24D 86537 MDBDMXS48A 86530 BDMXS240A 86536 MDBDMXS24D 86539 BDMXS110D 86531 MDBDMXS240A 86542 BDMXS24A 86523 BDMXS110A 86532 BDMDS110A 86541 MDBDMXS24A 86538		Kg. 1,5

AVVISATORI ACUSTICI INDUSTRIALI

INDUSTRIAL HORMS / AVERTISSEURS INDUSTRIELS / INDUSTRIE SIGNALHUPEN / BOCINAS INDUSTRIALES

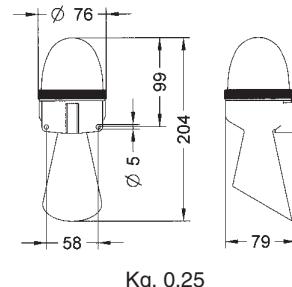
V	6 -8 -12 -24 -48 -110 -240 ($\pm 10\%$)	==	~ 50/60 Hz	♪ —	On ∞
IP	43	<input type="checkbox"/>	Hz (==) 650±50	Hz (~) 300÷7000	°C -30 +50



SUONO CONTINUO
SINGLE SOUND - SON CONTINU -
LINEARE TONFOLGE - SONIDO LINEAL

V ==	6	12	24	48	110	240
mA	90	50	40	20	8.5	6.5
dB(A)1m	96	96	96	96	96	96
Hz	650±50					

V ~	6÷8	12	24	48	110	240
mA	470	110	140	115	55	30
dB(A)1m	92	92	92	92	92	92
Hz	300÷7000					



SEM

SEM

(12)

SEM6D	40300	SEM48D	40306
SEM6/8A	40301	SEM48A	40307
SEM12D	40302	SEM110D	40308
SEM12A	40303	SEM110A	40309
SEM24D	40304	SEM240D	40310
SEM24A	40305	SEM240A	40311

V	6 -8 -12 -24 -48 -110 -240 ($\pm 10\%$)	==	~ 50/60 Hz	♪ —	On ∞
IP	30	<input type="checkbox"/>	Hz (==) 650±50	Hz (~) 300÷7000	°C -30 +50



V ==	6	12	24	48	110	240
mA	90	50	40	20	8.5	6.5
dB(A)1m	84	84	84	84	84	84
Hz	650 ± 50					



SHV

SHV

(13)

V ~	6÷8	12	24	48	110	240
mA	470	110	140	115	55	30
dB(A)1m	86	86	86	86	86	86
Hz	300 ÷ 7000					

SHV6D	40751	SHV48D	40757
SHV6/8A	40752	SHV48A	40758
SHV12D	40753	SHV110D	40759
SHV12A	40754	SHV110A	40760
SHV24D	40755	SHV240D	40761
SHV24A	40756	SHV240A	40762

Versione nera disponibile a richiesta / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición

V 12-24-48-60-110-230-240 ($\pm 10\%$)	---	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTODEXTINGUIBLE	IP 66	<input type="checkbox"/>	<input type="checkbox"/>


SIAD 165 R
SD 165 R

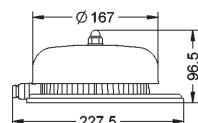
32 38


SIADEL 165 R
SDL 165 R

32 38

SIAD 165

V \sim	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100
Hz 1500÷10000							


 SIAD Kg. 1,7
 SIADEL Kg. 1,8

SD165R12A	54200	SDL165R12D	54214	SD165G12A	54207	SDL165G12D	54221
SD165R24A	54201	SDL165R24D	54215	SD165G24A	54208	SDL165G24D	54222
SD165R48A	54202	SDL165R48D	54216	SD165G48A	54209	SDL165G48D	54223
SD165R60A	54203	SDL165R60D	54217	SD165G60A	54210	SDL165G60D	54224
SD165R110A	54204	SDL165R110D	54218	SD165G110A	54211	SDL165G110D	54225
SD165R230A	54205	SDL165R230D	54219	SD165G230A	54212	SDL165G230D	54226
SD165R240A	54206	SDL165R240D	54220	SD165G240A	54213	SDL165G240D	54227


SIAD 215 R
SD 215 R

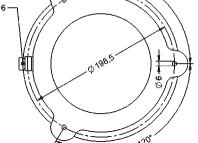
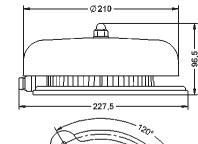
32 38


SIADEL 215 R
SDL 215 R

32 38

SIAD 215

V \sim	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100
Hz 1000÷15000							


 SIAD Kg. 2,1
 SIADEL Kg. 2,2

SD215R12A	54228	SDL215R12D	54242	SD215G12A	54235	SDL215G12D	54249
SD215R24A	54229	SDL215R24D	54243	SD215G24A	54236	SDL215G24D	54250
SD215R48A	54230	SDL215R48D	54244	SD215G48A	54237	SDL215G48D	54251
SD215R60A	54231	SDL215R60D	54245	SD215G60A	54238	SDL215G60D	54252
SD215R110A	54232	SDL215R110D	54246	SD215G110A	54239	SDL215G110D	54253
SD215R230A	54233	SDL215R230D	54247	SD215G230A	54240	SDL215G230D	54254
SD215R240A	54234	SDL215R240D	54248	SD215G240A	54241	SDL215G240D	54255


SIAD 265 R
SD 265 R

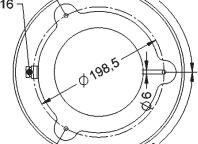
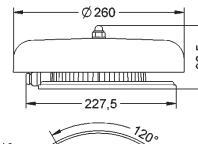
32 38


SIADEL 265 R
SDL 265 R

32 38

SIAD 265

V \sim	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100
Hz 800÷18000							


 SIAD Kg. 2,6
 SIADEL Kg. 2,7

SD265R12A	54256	SDL265R12D	54270	SD265G12A	54263	SDL265G12D	54277
SD265R24A	54257	SDL265R24D	54271	SD265G24A	54264	SDL265G24D	54278
SD265R48A	54258	SDL265R48D	54272	SD265G48A	54265	SDL265G48D	54279
SD265R60A	54259	SDL265R60D	54273	SD265G60A	54266	SDL265G60D	54280
SD265R110A	54260	SDL265R110D	54274	SD265G110A	54267	SDL265G110D	54281
SD265R230A	54261	SDL265R230D	54275	SD265G230A	54268	SDL265G230D	54282
SD265R240A	54262	SDL265R240D	54276	SD265G240A	54269	SDL265G240D	54283

SUONERIE INDUSTRIALI

INDUSTRIAL BELLS / SONNERIES INDUSTRIELLES / INDUSTRIE LÄUTEWERKE / TIMBRES INDUSTRIALES

V 12-24-48-60-110-230-240 ($\pm 10\%$)	\equiv	\sim 50 Hz	$* \sim$ 60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 66	<input type="checkbox"/>		$^{\circ}\text{C}$ -30 +50 M 16



CEAD 165 R
CD 165 R
CEADEL 165 R
CDL 165 R

(32) (38)

CEAD 165

V \sim	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100

Hz 2000÷12000



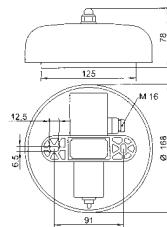
CEAD 165 G
CD 165 G
CEADEL 165 G
CDL 165 G

(32) (38)

CEADEL 165

V \equiv	12	24	48	60	110	230	240
mA	600	300	160	120	60	32	28
dB(A)1m	98	98	98	98	98	98	98

Hz 2000÷12000



CEAD Kg. 1,35
CEADEL Kg. 1,0

CEAD165R12A	54090	CEAD165G12A	54070
CEAD165R24A	54091	CEAD165G24A	54071
CEAD165R48A	54092	CEAD165G48A	54072
CEAD165R110A	54094	CEAD165G110A	54074
CEAD165R230A	54095	CEAD165G230A	54075
CEAD165R240A	54096	CEAD165G240A	54076
CDL165R12D	54097	CDL165G12D	54080
CDL165R24D	54098	CDL165G24D	54081
CDL165R48D	54099	CDL165G48D	54082
CDL165R60D	54100	CDL165G60D	54083
CDL165R110D	54101	CDL165G110D	54084
CDL165R230D	54102	CDL165G230D	54085
		CDL165G240D	54087

* 60 Hz a richiesta - * 60 Hz on request -

* 60 Hz sur demande - * 60 Hz auf Anfrage - * 60 Hz bajo petición



SUONERIA INDUSTRIALE STAGNA

WATERPROOF INDUSTRIAL BELL / SONNERIE INDUSTRIELLE ETANCHE /
WASSERDICHTE INDUSTRIE LÄUTEWERKE / TIMBRE INDUSTRIAL ESTANQUE

V 12-24-48-60-110-230-240 ($\pm 10\%$)	\equiv	\sim 50/60 Hz	On ∞	
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 66	<input type="checkbox"/>		$^{\circ}\text{C}$ -30 +50 M 16



SIAD 215 NAVE
ST SD 215 N

SIADEL 215 NAVE
ST SDL 215 N

(33) (39)

INOX
STAINLESS STEEL
INOX
EDELSTAHL
INOX

SIAD 215 NAVE

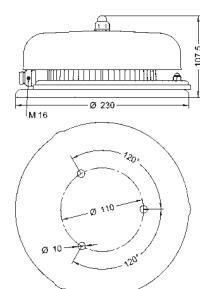
V \sim	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100

Hz 1000÷15000

SIADEL 215 NAVE

V \equiv	12	24	48	60	110	230	240
mA	600	300	160	120	60	32	28
dB(A)1m	98	98	98	98	98	98	98

Hz 1000÷15000



SIAD NAVE Kg. 2,7
SIADEL NAVE Kg. 2,8

STSD215N12A	91960	STSDL215N12D	91967
STSD215N24A	91961	STSDL215N24D	91968
STSD215N48A	91962	STSDL215N48D	91969
STSD215N60A	91963	STSDL215N60D	91970
STSD215N110A	91964	STSDL215N110D	91971
STSD215N230A	91965	STSDL215N230D	91972
STSD215N240A	91966	STSDL215N240D	91973

SIRENE ELETTRONICHE DI PREALLARME E ALLARME EVACUAZIONE

ELECTRONIC SIRENS FOR PREALARM AND EVACUATION WARNING / SIRENES ELECTRONIQUES POUR ALERTE ET ALARME D'EVACUATION / ELEKTRONISCHE SIRENEN FÜR VORWARNUNG UND EVAKUIERUNG / SIRENAS ELECTRÓNICAS DE PREALARMA Y ALARMA EVACUACIÓN

V 230/240 ($\pm 10\%$)	\sim 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE
IP 65	<input type="checkbox"/>		$^{\circ}\text{C}$ -20 +50



Versione dotata di:

- luci di segnalazione BL per controllo stato di funzionamento
- telecomando per test di controllo a distanza

SEO 2 SEV

SEO2SEV

SEO 2 SEV/4S AA

SEO2SE4SAA

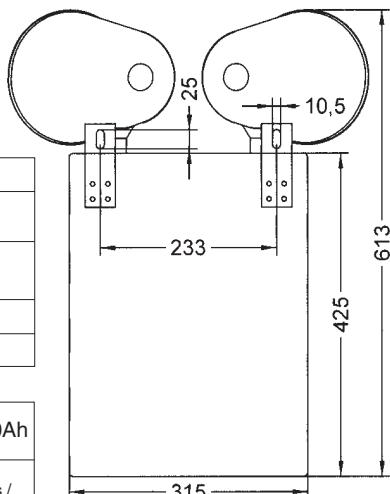
(22 41)

SEO 2 SEV
SEO 2 SEV/4S AA

V \sim	230/240
mA SEO 2 SEV	580
SEO 2 SEV/4S AA	50
Hz	490 ÷ 610
	610
	2400 ÷ 2800
dB (A) 1m	123
dB (A) 1m	124

SEO 2 SEV/4S AA

Batteria / Battery / Batterie / Batería (no. 2/6V 10 Ah)	NiPb 12V 10Ah
Durata / Life / Durée / Dauer / Duración	24 mesi months / mois / Monate / meses
Autonomia / Duration / Autonomie / Autonomía / Autonomía	100 min.



Version supplied with

- LED bars BL for function control
- remote control for alarm test

Version équipée de:

- barres lumineuses à LED BL pour contrôle du fonctionnement
- télécommande pour essai de contrôle à distance

Ausführung ausgestattet mit:

- LED-Lichtbalken BL für die Betriebskontrolle
- Fernsteuerung für Fernkontrolle

Versión con:

- barra de LED BL para control estado de funcionamiento
- mando remoto para prueba de control a distancia

SEO 2 SEV Kg. 15 ~
SEO 2 SEV/4S AA Kg. 19 ~

SEO2SEV230240A 56039 SEO2SEV4SAA230240A 55300



Versione dotata di:

- luci di segnalazione BL per controllo stato di funzionamento
- telecomando per test di controllo a distanza

SEO 1 SEV

SEO1SEV

SEO 1 SEV/4S AA

SEO1SEV4SAA

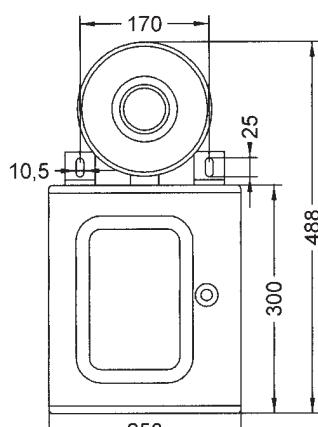
(22 41)

SEO 1 SEV
SEO 1 SEV/4S AA

V \sim	230/240
mA SEO 1 SEV	300
SEO 1 SEV/4S AA	50
Hz	490 ÷ 610
	610
	2400 ÷ 2800
dB (A) 1m	117
dB (A) 1m	118

SEO 1 SEV/4S AA

Batteria / Battery / Batterie / Batería	NiPb 12V 7Ah
Durata / Life / Durée / Dauer / Duración	24 mesi months / mois / Monate / meses
Autonomia / Duration / Autonomie / Autonomía / Autonomía	120 min.



Version supplied with

- LED bars BL for function control
- remote control for alarm test

Version équipée de:

- barres lumineuses à LED BL pour contrôle du fonctionnement
- télécommande pour essai de contrôle à distance

Ausführung ausgestattet mit:

- LED-Lichtbalken BL für die Betriebskontrolle
- Fernsteuerung für Fernkontrolle

Versión con:

- barra de LED BL para control estado de funcionamiento
- mando remoto para prueba de control a distancia

SEO 1 SEV Kg. 11 ~
SEO 1 SEV/4S AA Kg. 12 ~

SEO1SEV230240A 56037 SEO1SEV4SAA230240A 55303



SIRENE ELETTRONICHE DI PREALLARME E ALLARME EVACUAZIONE

ELECTRONIC SIRENS FOR PREALARM AND EVACUATION WARNING / SIRENES ELECTRONIQUES POUR ALERTE ET ALARME D'EVACUATION / ELEKTRONISCHE SIRENEN FÜR VORWARNUNG UND EVAKUIERUNG / SIRENAS ELECTRÓNICAS DE PREALARMA Y ALARMA EVACUACIÓN

V 230/240 ($\pm 10\%$)	\sim 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
IP 40		$^{\circ}\text{C}$ -20 +50	



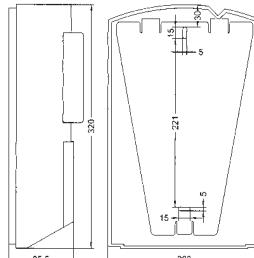
SEL 1 SEV
SEL1SEV
SEL 1 SEV/4S AA
SEL1SEV4SAA
⑯

SEL 1 SEV
SEL 1 SEV/4S AA

V \sim	230/240
mA SEL 1 SEV	80
SEL 1 SEV/4S AA	40
Hz	490 ÷ 610 610 2400 ÷ 2800
dB (A) 1m	103
dB (A) 1m	106

SEL 1 SEV/4S AA

Batteria / Battery / Batterie / Batería	NiPb 12V 1.2Ah
Durata / Life / Durée / Dauer / Duración	24 mesi months / mois / Monate / meses
Autonomia / Duration / Autonomie / Autonomie / Autonomía	85 min.



SEL 1 SEV Kg. 4 ~
SEL 1 SEV/4S AA Kg. 4,5 ~

Versione dotata di:

- luci di segnalazione BL per controllo stato di funzionamento
- telecomando per test di controllo a distanza

SEL1SEV230240A 56035 SEL1SEV4SAA230240A 55305

Version supplied with:
- LED bars BL for function control
- remote control for alarm test

Version équipée de:
- barres lumineuses à LED BL pour contrôle du fonctionnement
- télécommande pour essai de contrôle à distance

Ausführung ausgestattet mit:
- LED-Lichtbalken BL für die Betriebskontrolle
- Fernsteuerung für Fernkontrolle

Versión con:
- barrita de LED BL para control estado de funcionamiento
- mando remoto para prueba de control a distancia



LUCE STROBOSCOPICA AUTOALIMENTATA DI ALLARME EVACUAZIONE

BATTERY OPERATED STROBOSCOPIC BEACON FOR EVACUATION WARNING / FEU A ECLATS AUTO-ALIMENTÉE POUR ALARME D'EVACUATION / XENON-BLITZLEUCHTE MIT EIGENVERSORGUNG FÜR EVAKUIERUNG / LUZ ESTROBOSCÓPICA AUTOALIMENTADA PARA ALARMA EVACUACIÓN

V 230/240 ($\pm 10\%$)	\sim 50/60 Hz	J 20	2 F	IP 65	
$^{\circ}\text{C}$ -20 +50	On ∞	1 2 3 4 5 6	PC	PMMA	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



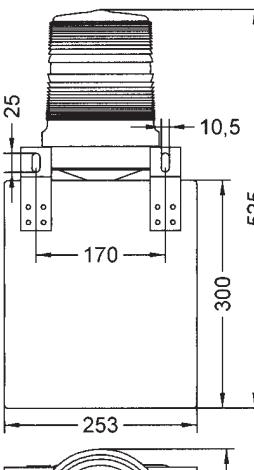
STROBOFLASH 1 SEV/4S AA

STF1SEV4SAA

⑯ 33 41

STF 1 SEV/4S AA

2F	V \sim	230/240
XENON 20J LXR 15J	mA	80
	Cd (p)	32000/6000 38000
	Fl (min)	2 x 65 ± 10
Batteria / Battery / Batterie / Batería		NiPb 12V 7Ah
Durata / Life / Durée / Dauer / Duración		24 mesi months / mois / Monate / meses
Autonomia / Duration / Autonomie / Autonomie / Autonomía		120 min.



Kg. 10 ~

Versione dotata di:
- luci di segnalazione BL per controllo stato di funzionamento
- telecomando per test di controllo a distanza

Version supplied with:
- LED bars BL for function control
- remote control for alarm test

Version équipée de:
- barres lumineuses à LED BL pour contrôle du fonctionnement
- télécommande pour essai de contrôle à distance

Ausführung ausgestattet mit:
- LED-Lichtbalken BL für die Betriebskontrolle
- Fernsteuerung für Fernkontrolle

Versión con:
- barrita de LED BL para control estado de funcionamiento
- mando remoto para prueba de control a distancia

STF1SEV4SAA230240A1	55311
STF1SEV4SAA230240A2	55312
STF1SEV4SAA230240A3	55313
STF1SEV4SAA230240A4	55314
STF1SEV4SAA230240A5	55315
STF1SEV4SAA230240A6	55316

SIRENE ELETTRONICHE DI PREALLARME E ALLARME EVACUAZIONE

ELECTRONIC SIRENS FOR PREALARM AND EVACUATION WARNING / SIRENES ELECTRONIQUES POUR ALERTE ET ALARME D'EVACUATION / ELEKTRONISCHE SIRENEN FÜR VORWARNUNG UND EVAKUIERUNG / SIRENAS ELECTRÓNICAS DE PREALARMA Y ALARMA EVACUACIÓN

V 230/240 ($\pm 10\%$)	\sim 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTODEXTINGUILDE
IP 65	<input type="checkbox"/>		$^{\circ}\text{C}$ -20 +50



BX 65 2 SEV

BX652SEV

BX 65 2 SEV AA

BX652SEVAA

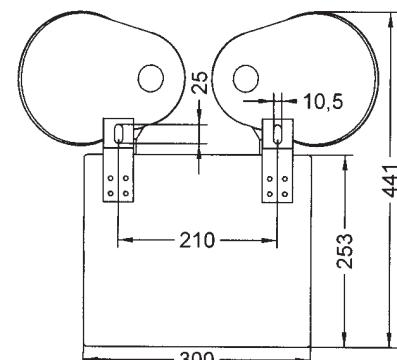
(22) (41)

**BX 65 2 SEV
BX 65 2 SEV AA**

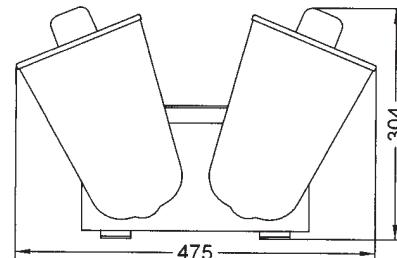
V \sim	230/240
mA BX 65 2 SEV BX 65 2 SEV AA	580 80
dB (A) 1m	123
Hz	490 ÷ 610 610

BX 65 2 SEV AA

Batteria / Battery / Batterie / Batterie / Batería	NiPb 12V 7Ah
Durata / Life / Durée / Dauer / Duración	24 mesi months / mois / Monate / meses
Autonomia / Duration / Autonomie / Autonomie / Autonomía	60 min.



BX 65 2 SEV Kg. 13 ~
BX 65 2 SEV AA Kg. 14 ~



BX 65 1 SEV

BX651SEV

BX 65 1 SEV AA

BX651SEVAA

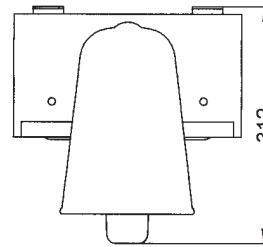
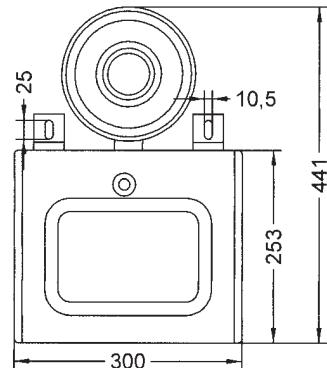
(22) (41)

**BX 65 1 SEV
BX 65 1 SEV AA**

V \sim	230/240
mA BX 65 1 SEV BX 65 1 SEV AA	300 80
dB (A) 1m	117
Hz	490 ÷ 610 610

BX 65 1 SEV AA

Batteria / Battery / Batterie / Batterie / Batería	NiPb 12V 7Ah
Durata / Life / Durée / Dauer / Duración	24 mesi months / mois / Monate / meses
Autonomia / Duration / Autonomie / Autonomie / Autonomía	120 min.



BX 65 1 SEV Kg. 10 ~
BX 65 1 SEV AA Kg. 11 ~



SIRENA ELETTRONICA DI PREALLARME E ALLARME EVACUAZIONE

ELECTRONIC SIREN FOR PREALARM AND EVACUATION WARNING / SIRENE ELECTRONIQUE POUR ALERTE ET ALARME D'EVACUATION / ELEKTRONISCHE SIRENE FÜR VORWARNUNG UND EVAKUIERUNG / SIRENA ELECTRÓNICA DE PREALARMA Y ALARMA EVACUACIÓN

V 230/240 ($\pm 10\%$)	\sim 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
IP 65			$\circ\text{C}$ -20 +50



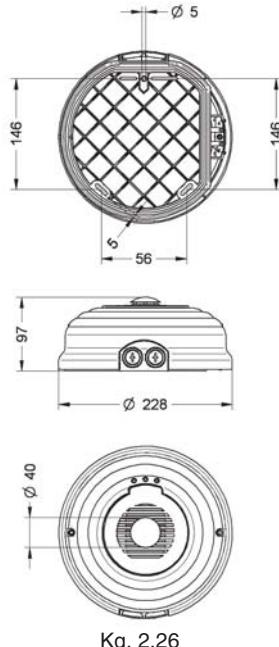
F3 SEV/4S AA
F3SEV4SAA

(12)

F3 SEV/4SAA

V \sim	230/240
mA	40
Hz	490 ÷ 610 610 2400 ÷ 2800
dB (A) 1m	75 \blacktriangle 98
dB (A) 1m	82 \blacktriangle 102
Batteria / Battery / Batterie / Batterie / Batería	NiPb 12V 1.2 Ah
Durata / Life / Durée / Dauer / Duración	24 mesi months / mois / Monate / meses
Autonomia / Duration / Autonomie / Autonomie / Autonomía	100 min.

F3SEV4SAA230240A 55307



LINEA SICUREZZA

SECURITY RANGE / LIGNE SECURITE / SICHERHEITSLINIE / LÍNEA DE SEGURIDAD

V 12-24-48-110-230-240 ($\pm 10\%$)		\sim 50/60 Hz	On ∞
IP 65	$\circ\text{C}$ -40 +60		AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

INTERRUTTORE DI EMERGENZA

BREAK GLASS EMERGENCY SWITCH
BOUTON POUSSOIR BRIS DE GLACE
ALARM-SIGNALTASTE
INTERRUPTOR DE EMERGENCIA

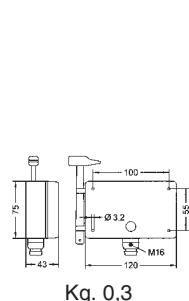
INTERRUTTORE PER IMPIANTI DI ALLERTAMENTO ED EVACUAZIONE

BREAK GLASS EMERGENCY SWITCH FOR PREALARM AND EVACUATION INSTALLATIONS
BOUTON POUSSOIR POUR INSTALLATIONS D'ALERTE ET D'EVACUATION
SIGNALTASTE FÜR WARN- UND EVAKUIERUNGSANLAGEN
INTERRUPTOR DE EMERGENCIA PARA INSTALACIONES DE ALERTA Y EVACUACIÓN



FIRLARM
FIRL ...

(12) (42)



FIRL EM 41532
FIRL AL 41530
FIRL EV 41531
FIRL DC 41534



FIRL AL



FIRL EV

FIRLARM
IN CASO DI
EVACUAZIONE
FIRLARM
IN CASE OF
EVACUATION
FIRLARM
EN CAS
D'EVACUATION
FIRLARM
FÜR DEN
EVAKUIERUNGSFALL
FIRLARM
PARA ALERTA

Il prodotto contiene 2 micro switch indipendenti i cui contatti (NC-NA) sono disponibili sulle morsettiera. Gli switch hanno una portata massima di **5A a 250 Vac**.

The product contains two independent micro switches the contacts of which (NC – NO) are available on the terminal block. The switch rating is **5A to 250Vac** max.

L'appareil contient 2 micro-interrupteurs indépendants dont les contacts (normalement fermés ou normalement ouverts) sont accessibles sur les borniers. Caractéristique de ces interrupteurs: **5A à 250Vac** maxi.

Das Produkt enthält 2 unabhängigen Microswitches, deren Kontakte (NC-NO) an den Klemmleisten sind. Die Switches haben eine maximale Stromfestigkeit von **5A bei 250V Wechselspannung**.

El producto contiene 2 microinterruptores independientes cuyos contactos (NC – NA) están disponibles en las regletas. Los interruptores tienen una capacidad de corriente máxima de: **5A a 250Vac**.

COMPLETO DI:

- MARTELLETTO PER ROTTURA VETRO
- CHIAVE PER PROVA IMPIANTO E SIMULAZIONE ALLARME
- CONTATTI NC/NA
- PASTIGLIE IN ARGENTO

SUPPLIED WITH:

- SMALL HAMMER FOR BREAKING THE GLASS
- SPANNER FOR INSTALLATION AND ALARM ACTIVATION
- CONTACTS NC/NO
- SILVER PLATED CONTACTS

COMPLET AVEC :

- PETIT MARTEAU POUR BRIS DE GLACE
- CLE POUR ESSAI D'INSTALLATION ET SIMULATION D'ALARME
- CONTACTS NORMALEMENT FERMES OU OUVERTS
- CONTACTS EN ARGENT

MITGELIEFERT WERDEN:

- HAMMER FÜR DAS EINSCHLAGEN DER GLASSCHEIBE
- TESTSCHLÜSSEL FÜR ANLAGENKONTROLLE UND ALARM-SIMULATION
- AUSFÜHRUNG IN GESCHLOSSENEN ODER OFFENEN KONTAKTEN
- SILBERKONTAKTE

SUMINISTRADO CON:

- MARTELILLO PARA ROTURA CRISTAL
- LLAVE PARA ENSAYO INSTALACIÓN Y SIMULACIÓN ALARMA
- CONTACTOS NC/NA
- PLAQUITAS DE PLATA

LINEA SEV SERIALE PCS

SEV RANGE SERIAL LINE PCS
LIGNE SEV FONCTIONNEMENT EN SERIE
SEV PCS-SERIENLINIE
LÍNEA SEV SERIAL PCS



SEO 2 SEV/4S AA PCS



CENTRALE SEV SY1 AA PCS
CENTRALE SEV SY2 AA PCS
CENTRALE SEV PCS
COMMAND CENTRE SEV PCS
CENTRALE SEV PCS
SEV PCS-ZENTRALEINHEIT
CENTRAL SEV PCS



SEO 1 SEV/4S AA PCS



PULSANTE IP67 AL. PCS
PULSANTE PCS ALLERTAMENTO
PUSH BUTTON PCS WARNING
BOUTON POUSSOIR PCS ALERTE
SIGNALTASTE PCS VORWARNUNG
PULSADOR PCS ALERTA



BOX BCP PCS
BOX COMANDI PRESIDIATI PCS
MANNED CONTROL BOX PCS
BOITE DE COMMANDE SURVEILLEE PCS
BEMANNT PCS SEV-EINHEIT
CENTRAL MANDOS ATENDIDOS PCS



PULSANTE IP67 EV. PCS
PULSANTE PCS EVACUACIONE
PUSH BUTTON PCS EVACUATION
BOUTON POUSSOIR PCS EVACUATION
SIGNALTASTE PCS EVAKUIERUNG
PULSADOR PCS EVACUACIÓN



STF1SEV/4S AA PCS



SEL 1 SEV/4S AA PCS



DR SEV SY PCS
DISPLAY REMOTO PCS
PCS REMOTE DISPLAY
AFFICHEUR A DISTANCE PCS
FERNGESTEUERTER PCS MONITOR
DISPLAY REMOTO PCS



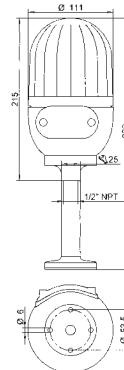
LUCI ROTANTI
ROTATING BEACONS / FEUX TOURNANTS / DREHSPIEGELLEUCHTEN / LUCES ROTATIVAS

V12 - 24 - 48 - 110 - 240 ($\pm 10\%$)	$=$	\sim 50/60 Hz	r.p.m. 160±30	IP 65
<input type="checkbox"/> °C -30 +60	On ∞	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



BABYROT
BABYR
⑥

BA9s 10W LR BA 9S 10W	V $=$	-	24	-	-	-
	V \sim	12		48	110	240
mA	820	500	280	140	73	
Cd (p)	300	350	280	200	120	



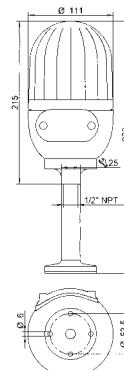
Kg. 0,75

BABYR12A1	26530	BABYR48A4	26549
BABYR12A2	26531	BABYR48A5	26550
BABYR12A3	26532	BABYR48A6	26551
BABYR12A4	26533	BABYR110A1	26554
BABYR12A5	26534	BABYR110A2	26555
BABYR12A6	26535	BABYR110A3	26556
BABYR24DA1	26538	BABYR110A4	26557
BABYR24DA2	26539	BABYR110A5	26558
BABYR24DA3	26540	BABYR110A6	26559
BABYR24DA4	26541	BABYR240A1	26562
BABYR24DA5	26542	BABYR240A2	26563
BABYR24DA6	26543	BABYR240A3	26564
BABYR48A1	26546	BABYR240A4	26565
BABYR48A2	26547	BABYR240A5	26566
BABYR48A3	26548	BABYR240A6	26567



BABYROT H
BABYRH
BABYRHTOR
⑥

Ba9s H-20W LR Ba 9S H-20W	V $=$	-	-	-
	V \sim	24	110	240
mA	1.2	0.2	0.1	
Cd (p)	2000	2000	2000	



Kg. 0,97

BABYRH24DA1	26501	BABYRHTOR110A4	26511
BABYRH24DA2	26502	BABYRHTOR110A5	26512
BABYRH24DA3	26503	BABYRHTOR110A6	26513
BABYRH24DA4	26504	BABYRHTOR240A1	26515
BABYRH24DA5	26505	BABYRHTOR240A2	26516
BABYRH24DA6	26506	BABYRHTOR240A3	26517
BABYRHTOR110A1	26508	BABYRHTOR240A4	26518
BABYRHTOR110A2	26509	BABYRHTOR240A5	26519
BABYRHTOR110A3	26510	BABYRHTOR240A6	26520

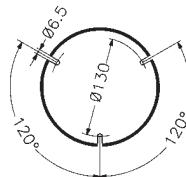
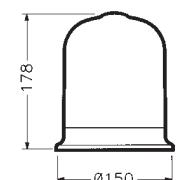
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

V 24 -110 -240 ($\pm 10\%$)	~ 50/60 Hz	r.p.m. 160 \pm 30	IP 44
<input type="checkbox"/> °C -30 +50	On ∞	 	 AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE


GF 931
GF931
(13)

	V ~	24	110	240
BA 15dT 25W	A	1.1	0.22	0.11
LR BA 15dT 25W	Cd (p)	3000	400	400

GF931B24A1	24451	GF931B110A4	24464
GF931B24A2	24452	GF931B110A5	24465
GF931B24A3	24453	GF931B110A6	24466
GF931B24A4	24454	GF931B240A1	24471
GF931B24A5	24455	GF931B240A2	24472
GF931B24A6	24456	GF931B240A3	24473
GF931B110A1	24461	GF931B240A4	24474
GF931B110A2	24462	GF931B240A5	24475
GF931B110A3	24463	GF931B240A6	24476



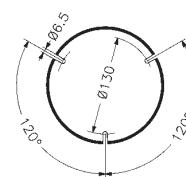
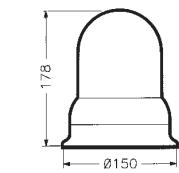
Kg. 0.50

V 24 -110 -240 ($\pm 10\%$)	~ 50/60 Hz	r.p.m. 160 \pm 30	IP 44
<input type="checkbox"/> °C -30 +50	On ∞	 	 AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE


LR 932
LR 932
(13)

	V ~	24	110	240
BA 15dT 25W	A	1.1	0.22	0.11
LR BA 15dT 25W	Cd (p)	3000	400	400

LR932B24A1	24421	LR932B110A3	24433
LR932B24A2	24422	LR932B110A4	24434
LR932B24A3	24423	LR932B240A1	24441
LR932B24A4	24424	LR932B240A2	24442
LR932B110A1	24431	LR932B240A3	24443
LR932B110A2	24432	LR932B240A4	24444



Kg. 0.48

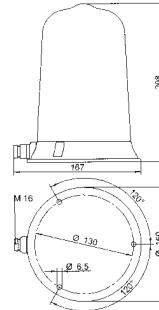
V 12-24-48-110-230-240 ($\pm 10\%$)	\equiv	\sim 50/60 Hz	r.p.m. 160 \pm 30	IP 54
H1: 12-24				
°C -30 +50	On ∞	M 16	1 2 3 4 5 6	PC



**ROTALLARM
P B L**
RA P B L
RA P B L H
①

 BA 15s 45W \equiv LR BA 15s 45W E 14 25W \sim LR E 14T 25W	V \equiv	12	24	48	-	-	-	-
	V \sim	12	24	-	48	110	230	240
	A	4	2.1	1	0.74	0.31	0.15	0.15
	Cd (p)	6500	6500	6500	600	400	400	400

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V \equiv	12	24
	V \sim	12	24
	A	4.8	3.1
	Cd (p)	10000	10000



Kg. 0,56



ROTALLARM P B R
RA P B R
RA P B H R
①

RAPBL12D1	63001	RAPBL48D2	63026	RAPBL240A3	63051	RAPBLH24A5	63076
RAPBL12D2	63002	RAPBL48D3	63027	RAPBL240A4	63052	RAPBLH24A6	63077
RAPBL12D3	63003	RAPBL48D4	63028	RAPBL240A5	63053	RAPBR12D2	63078
RAPBL12D4	63004	RAPBL48D5	63029	RAPBL240A6	63054	RAPBR12D5	63079
RAPBL12D5	63005	RAPBL48D6	63030	RAPBLH12D1	63055	RAPBR24D1	63080
RAPBL12D6	63006	RAPBL48A1	63031	RAPBLH12D2	63056	RAPBR24D2	63081
RAPBL12A1	63007	RAPBL48A2	63032	RAPBLH12D3	63057	RAPBR24D3	63082
RAPBL12A2	63008	RAPBL48A3	63033	RAPBLH12D4	63058	RAPBR24D5	63083
RAPBL12A3	63009	RAPBL48A4	63034	RAPBLH12D5	63059	RAPBR24D6	63084
RAPBL12A4	63010	RAPBL48A5	63035	RAPBLH12D6	63060	RAPBR24A1	63085
RAPBL12A5	63011	RAPBL48A6	63036	RAPBLH12A1	63061	RAPBR24A2	63086
RAPBL12A6	63012	RAPBL110A1	63037	RAPBLH12A2	63062	RAPBR24A3	63087
RAPBL24D1	63013	RAPBL110A2	63038	RAPBLH12A3	63063	RAPBR4B3	63088
RAPBL24D2	63014	RAPBL110A3	63039	RAPBLH12A5	63064	RAPBR4B5	63089
RAPBL24D3	63015	RAPBL110A4	63040	RAPBLH12A6	63065	RAPBR110A2	63090
RAPBL24D4	63016	RAPBL110A5	63041	RAPBLH24D1	63066	RAPBR110A3	63091
RAPBL24D5	63017	RAPBL110A6	63042	RAPBLH24D2	63067	RAPBR110A5	63092
RAPBL24D6	63018	RAPBL230A1	63043	RAPBLH24D3	63068	RAPBR230A1	63093
RAPBL24A1	63019	RAPBL230A2	63044	RAPBLH24D4	63069	RAPBR230A2	63094
RAPBL24A2	63020	RAPBL230A3	63045	RAPBLH24D5	63070	RAPBR230A3	63095
RAPBL24A3	63021	RAPBL230A4	63046	RAPBLH24D6	63071	RAPBR230A4	63096
RAPBL24A4	63022	RAPBL230A5	63047	RAPBLH24A1	63072	RAPBR230A5	63097
RAPBL24A5	63023	RAPBL230A6	63048	RAPBLH24A2	63073	RAPBR230A6	63098
RAPBL24A6	63024	RAPBL240A1	63049	RAPBLH24A3	63074	RAPBR240A2	63099
RAPBL48D1	63025	RAPBL240A2	63050	RAPBLH24A4	63075	RAPBR240A3	63100

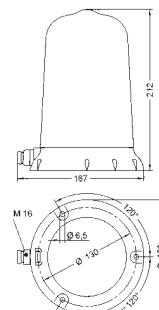
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición



**ROTALLARM
AL B L**
RA AL B L
RA AL B L H
②

 BA 15s 45W \equiv LR BA 15s 45W E 14 25W \sim LR E 14T 25W	V \equiv	12	24	48	-	-	-	-
	V \sim	12	24	-	48	110	230	240
	A	4	2.1	1	0.74	0.31	0.15	0.15
	Cd (p)	6500	6500	6500	600	400	400	400

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V \equiv	12	24
	V \sim	12	24
	A	4.8	3.1
	Cd (p)	10000	10000



Kg. 1,0



ROTALLARM AL B R
RA AL B R
RA AL B R H
②

RAALBL12D1	82201	RAALBL24A3	82218	RAALBL230A1	82236	RAALBLH12A3	82258
RAALBL12D2	82200	RAALBL24A4	82219	RAALBL230A2	82235	RAALBLH12A4	82259
RAALBL12D3	82203	RAALBL24A5	82275	RAALBL230A3	82238	RAALBLH12A6	82257
RAALBL12D4	82204	RAALBL24A6	82217	RAALBL230A4	82239	RAALBLH24D1	82261
RAALBL12D5	82270	RAALBL48D1	82246	RAALBL230A5	82249	RAALBLH24D2	82260
RAALBL12D6	82202	RAALBL48D2	82245	RAALBL230A6	82237	RAALBLH24D3	82263
RAALBL12A1	82206	RAALBL48D3	82290	RAALBL240A1	82241	RAALBLH24D4	82264
RAALBL12A2	82205	RAALBL48D5	82248	RAALBL240A2	82240	RAALBLH24D5	82273
RAALBL12A3	82208	RAALBL48D6	82289	RAALBL240A3	82243	RAALBLH24D6	82262
RAALBL12A5	82277	RAALBL48A1	82220	RAALBL240A4	82244	RAALBLH24A1	82266
RAALBL12A6	82207	RAALBL48A2	82280	RAALBL240A5	82274	RAALBLH24A2	82265
RAALBL24D1	82211	RAALBL48A3	82281	RAALBL240A6	82242	RAALBLH24A3	82268
RAALBL24D2	82210	RAALBL48A5	82282	RAALBLH12D1	82251	RAALBLH24A4	82269
RAALBL24D3	82213	RAALBL110A1	82226	RAALBLH12D2	82250	RAALBLH24A5	82272
RAALBL24D4	82214	RAALBL110A2	82225	RAALBLH12D3	82253	RAALBLH24A6	82267
RAALBL24D5	82271	RAALBL110A3	82228	RAALBLH12D4	82254	RAALBR24D2	82385
RAALBL24D6	82212	RAALBL110A4	82229	RAALBLH12D5	82256	RAALBR24D3	82386
RAALBL24A1	82216	RAALBL110A5	82247	RAALBLH12D6	82252	RAALBR230A3	82190
RAALBL24A2	82215	RAALBL110A6	82227	RAALBLH12A1	82255		

V 12-24-48-110-230-240 ($\pm 10\%$)	—	~ 50/60 Hz	r.p.m. 160±30	IP 54
°C -30 +50	On ∞	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE


**BLINDO
ROTALLARM AL B1**
BD RA AL B
BD RA AL B H

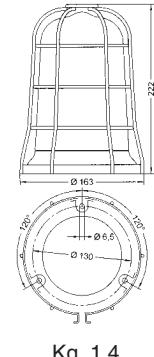
(2) (17)

	V —	12	24	48	—	—	—	—
	V ~	12	24	—	48	110	230	240
	A	4	2.1	1	0.74	0.31	0.15	0.15
	Cd (p)	6500	6500	6500	600	400	400	400

BA 15s 45W —
LR BA 15s 45W
E 14.25W ~
LR E 14T 25W

	V —	12	24
	V ~	12	24
	A	4.8	3.1
	Cd (p)	10000	10000

H1 12V 55W
LR H 55W 12
H1 24V 70W
LR H 70W 24



Kg. 1,4

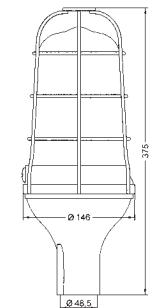
BDRAALB12D1	86461	BDRAALB230A2	86485
BDRAALB12D2	86460	BDRAALB230A3	86488
BDRAALB12D3	86463	BDRAALB230A4	86489
BDRAALB12D5	86462	BDRAALB230A5	86498
BDRAALB12A2	86465	BDRAALB230A6	86468
BDRAALB24D1	86474	BDRAALB240A1	86487
BDRAALB24D2	86470	BDRAALB240A2	86490
BDRAALB24D3	86473	BDRAALB240A3	86467
BDRAALB24D4	86472	BDRAALB240A4	86469
BDRAALB24D5	86496	BDRAALB240A5	86637
BDRAALB24A1	86476	BDRAALB240A6	86638
BDRAALB24A2	86475	BDRAALBH12D1	86601
BDRAALB24A3	86478	BDRAALBH12D2	86600
BDRAALB24A4	86484	BDRAALBH12D3	86602
BDRAALB24A5	86479	BDRAALBH12D4	86603
BDRAALB48D2	86491	BDRAALBH12D5	86634
BDRAALB48D3	86494	BDRAALBH12D6	86604
BDRAALB48D5	86492	BDRAALBH24D1	86632
BDRAALB48A2	86499	BDRAALBH24D2	86610
BDRAALB48A3	86466	BDRAALBH24D3	86630
BDRAALB48A5	86497	BDRAALBH24D4	86631
BDRAALB110A1	86481	BDRAALBH24D5	86633
BDRAALB110A2	86480	BDRAALBH24D6	86609
BDRAALB110A3	86483	BDRAALBH24A2	86615
BDRAALB110A5	86495		
BDRAALB230A1	86482		

	V —	12	24	48	—	—	—	—
	V ~	12	24	—	48	110	230	240
	A	4	2.1	1	0.74	0.31	0.15	0.15
	Cd (p)	6500	6500	6500	600	400	400	400

BA 15s 45W —
LR BA 15s 45W
E 14.25W ~
LR E 14T 25W

	V —	12	24
	V ~	12	24
	A	4.8	3.1
	Cd (p)	10000	10000

H1 12V 55W
LR H 55W 12
H1 24V 70W
LR H 70W 24



Kg. 1,7


**BLINDO
ROTALLARM P AG**
BD RA P AG
BD RA P AG H

(6) (7) (17)

BDRAPAG12D2	86650	BDRAPAG230A3	86677
BDRAPAG12D3	86651	BDRAPAG230A5	86676
BDRAPAG12D5	86661	BDRAPAG240A1	86682
BDRAPAG24D2	86660	BDRAPAG240A2	86680
BDRAPAG24D3	86663	BDRAPAG240A3	86679
BDRAPAG24D4	86664	BDRAPAG240A4	86681
BDRAPAG24D5	86662	BDRAPAG240A5	86683
BDRAPAG24A2	86659	BDRAPAG240A6	86684
BDRAPAG24A3	86658	BDRAPAGH24D1	86696
BDRAPAG24A5	86657	BDRAPAGH24D2	86698
BDRAPAG110A1	86673	BDRAPAGH24D3	86699
BDRAPAG110A2	86670	BDRAPAGH24D4	86700
BDRAPAG110A3	86671	BDRAPAGH24D5	86701
BDRAPAG110A5	86672	BDRAPAGH24D6	86697
BDRAPAG230A2	86675		



LUCI ROTANTI

ROTATING BEACONS / FEUX TOURNANTS / DREHSPIEGELLEUCHTEN / LUCES ROTATIVAS

V 12-24-48-110-230-240 ($\pm 10\%$)	—	\sim 50/60 Hz	r.p.m. 160±30	IP 67
°C -30 +50	On ∞		1 2 3 4 5 6	AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

SEGNALATORE STAGNO

WATERPROOF BEACON

FEU ETANCHE

WASSERDICHTE LEUCHTE

LUZ ESTANCA

	V —	12	24	48	—	—	—	—
	V \sim	12	24	—	48	110	230	240
	A	4	2.1	1	0.74	0.31	0.15	0.15
	Cd (p)	6500	6500	6500	600	400	400	400

BA 15s 45W —
LR BA 15s 45W
E 14.25W \sim
LR E 14T 25W

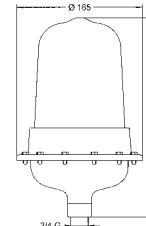


ROTALLARM STAGNO
ST RA
ST RA H

⑩

	V —	12	24
	V \sim	12	24
	A	4.8	3.1
	Cd (p)	10000	10000

H1 12V 55W
LR H 55W 12
H1 24V 70W
LR H 70W 24



Kg. 1,8

INOX
STAINLESS STEEL
INOX
EDELSTAHL
INOX

STR12D2	90010	STR230A2	90208
STR24D1	90017	STR230A3	90206
STR24D2	90016	STR230A4	90207
STR24D3	90014	STR230A5	90209
STR24D5	90015	STR240A2	90203
STR24A2	90019	STR240A3	90205
STR24A3	90023	STR240A5	90204
STR48D2	90024	STRAH12D1	90047
STR48A2	90018	STRAH12D2	90048
STR48A3	90022	STRAH12D5	90049
STR110A2	90025	STRAH24D1	90053
STR110A3	90026	STRAH24D2	90050
STR110A5	90021	STRAH24D3	90052
STR230A1	90210	STRAH24D5	90051

V 12 (14.5)	Tensione di ricarica	—	IP 54	°C -10 +40
(Batt.: 12 V - 7 Ah)		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

LUCE AUTOALIMENTATA
BATTERY OPERATED BEACON
FEU AUTO-ALIMENTÉ
LEUCHTE MIT EIGENVERSORGUNG
LUZ AUTOALIMENTADA

FORNITO SENZA BATTERIA
SUPPLIED WITHOUT BATTERY
FOURNI SANS BATTERIE
OHNE AKKU GELIEFERT
SUMINISTRADA SIN BATERÍA

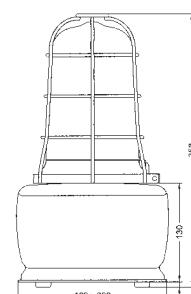


ROTALLARM A

A RA

⑥

	V —	12
	A	1.9
	Cd (p)	5000
BA 15s 21W	On: 2 h	
LR BA 15s 21W	r.p.m. 160 ± 30	



Kg. 2,72

ARA12D1 89802
ARA12D2 89800
ARA12D3 89803
ARA12D5 89801



LUCI ROTANTI

ROTATING BEACONS / FEUX TOURNANTS / DREHSPIEGELLEUCHTEN / LUCES ROTATIVAS

V 110-230-240 ($\pm 10\%$)	\sim 50/60 Hz	r.p.m. 160±30	IP 55
<input type="checkbox"/> °C -30 +50	On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCI ROTANTI ALTA TENSIONE CON TRASFORMATORE TOROIDALE PER LAMPADA H1

HIGH VOLTAGE ROTATING BEACONS WITH TOROIDAL TRANSFORMER FOR H1 BULB
 FEUX TOURNANTS HAUTE TENSION AVEC TRANSFORMATEUR TOROIDAL POUR LAMPE H1
 HOCHSPANNUNG-DREHSPIEGELLEUCHTEN MIT TOROIDFÖRMIGER TRAFO FÜR H1 LAMPE
 LUCES ROTATIVAS ALTA TENSIÓN CON TRANSFORMADOR TOROIDAL PARA LÁMPARA H1



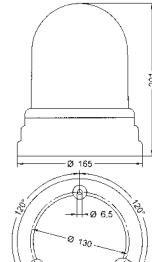
AT/A8 H1

ATA8 H

(3)

	V \sim	110	230	240
H1 12V 55W	A	0.5	0.25	0.22
LR H 55W 12	Cd (p)	10000	10000	10000

ATA8H110A2	47002	ATA8H240A1	47021
ATA8H230A1	47011	ATA8H240A2	47022
ATA8H230A2	47012	ATA8H240A3	47023
ATA8H230A3	47013	ATA8H240A4	47024
ATA8H230A4	47014	ATA8H240A5	47025
ATA8H230A5	47015	ATA8H240A6	47026



Kg. 1,45

Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición



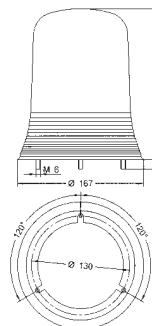
AT/R5 H1

ATR5 H

(4)

	V \sim	110	230	240
H1 12V 55W	A	0.5	0.25	0.22
LR H 55W 12	Cd (p)	10000	10000	10000

ATR5H110A1	82970	ATR5H230A4	82974
ATR5H110A2	82971	ATR5H230A5	82980
ATR5H110A3	82972	ATR5H230A6	82985
ATR5H110A4	82973	ATR5H240A1	82990
ATR5H110A5	82983	ATR5H240A2	82991
ATR5H110A6	82975	ATR5H240A3	82992
ATR5H230A1	82984	ATR5H240A4	82993
ATR5H230A2	82981	ATR5H240A5	82994
ATR5H230A3	82982	ATR5H240A6	82995



Kg. 1,5



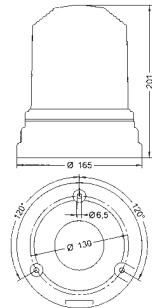
AT/F6 H1

ATF6 H

(3)

	V \sim	110	230	240
H1 12V 55W	A	0.5	0.25	0.22
LR H 55W 12	Cd (p)	10000	10000	10000

ATF6H110A1	49001	ATF6H230A4	49014
ATF6H110A2	49002	ATF6H230A5	49015
ATF6H110A3	49003	ATF6H230A6	49016
ATF6H110A4	49004	ATF6H240A1	49021
ATF6H110A5	49005	ATF6H240A2	49022
ATF6H110A6	49006	ATF6H240A3	49023
ATF6H230A1	49011	ATF6H240A4	49024
ATF6H230A2	49012	ATF6H240A5	49025
ATF6H230A3	49013	ATF6H240A6	49026



Kg. 1,45

Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición



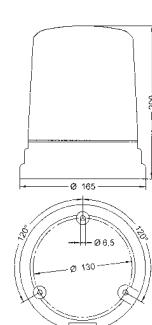
AT/M7 H1

ATM7 H

(3)

	V \sim	110	230	240
H1 12V 55W	A	0.5	0.25	0.22
LR H 55W 12	Cd (p)	10000	10000	10000

ATM7H110A1	49031	ATM7H230A4	49044
ATM7H110A2	49032	ATM7H230A5	49045
ATM7H110A3	49033	ATM7H240A1	49051
ATM7H110A4	49034	ATM7H240A2	49052
ATM7H110A5	49035	ATM7H240A3	49053
ATM7H230A1	49041	ATM7H240A4	49054
ATM7H230A2	49042	ATM7H240A5	49055
ATM7H230A3	49043		



Kg. 1,45

Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

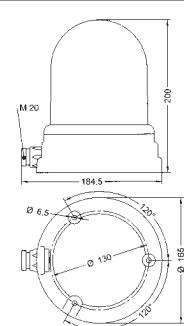
V 12-24-48-110-230-240 ($\pm 10\%$)	—	~ 50/60 Hz	r.p.m. 160±30	IP 55
<input type="checkbox"/> °C -30 +50	On ∞	M 20		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE


PG/R/AGR
PGRAGR
PGRAGRH

(3)

 BA 15s 45W LR BA 15s 45W E 14 25W ~ LR E 14T 25W	V —	12	24	48	-	-	-	-
	V ~	12	24	-	48	110	230	240
	A	4	2.1	1	0.74	0.31	0.15	0.15
	Cd (p)	6500	6500	6500	600	400	400	400

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V —	12	24					
	V ~	12	24					
	A	4.8	3.1					
	Cd (p)	10000	10000					



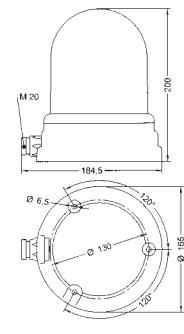
Kg. 0,96

PGRAGR12D2	47122	PGRAGR48A5	47165	PGRAGRH12D3	47173
PGRAGR12D5	47125	PGRAGR110A2	47442	PGRAGRH12D5	47175
PGRAGR24D1	47131	PGRAGR110A3	47443	PGRAGRH24D1	47181
PGRAGR24D2	47132	PGRAGR110A5	47445	PGRAGRH24D2	47182
PGRAGR24D3	47133	PGRAGR230A2	47452	PGRAGRH24D3	47183
PGRAGR24D4	47134	PGRAGR230A3	47453	PGRAGRH24D4	47184
PGRAGR24D5	47135	PGRAGR230A4	47454	PGRAGRH24D5	47185
PGRAGR24A1	47141	PGRAGR230A5	47455	PGRAGRH24D6	47186
PGRAGR24A2	47142	PGRAGR240A1	47461	PGRAGRH24A1	47191
PGRAGR24A3	47143	PGRAGR240A2	47462	PGRAGRH24A2	47192
PGRAGR24A4	47144	PGRAGR240A3	47463	PGRAGRH24A3	47193
PGRAGR24A5	47145	PGRAGR240A4	47464	PGRAGRH24A4	47194
PGRAGR48D5	47155	PGRAGR240A5	47465	PGRAGRH24A5	47195
PGRAGR48A2	47162	PGRAGR240A6	47466	PGRAGRH24A6	47196
PGRAGR48A3	47163	PGRAGRH12D2	47172		


PG/TOR/AGR
PGTORAGRH

(3)

 H1 12V 55W LR H 55W 12	V ~	110	230	240
	A	0.5	0.25	0.22
	Cd (p)	10000	10000	10000



Kg. 1,45

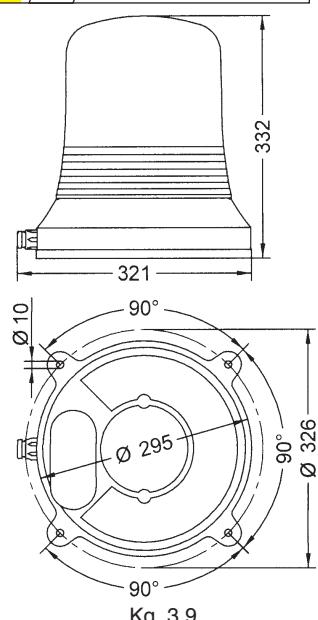
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

V 12-24-110-230-240 ($\pm 10\%$)	—	~ 50/60 Hz	r.p.m. 160±30	IP 54
°C -30 +50	On ∞	M 20		PMMA


ROTOLUX H
RTL H

(5) (14)

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V —	12	24	-	-	-
	V ~	12	24	110	230	240
	A	4.6	2.8	0.5	0.25	0.22
	Cd (p)	8500	8500	8500	8500	8500



Kg. 3,9

LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

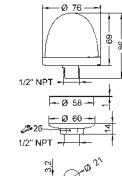
V 12÷48 --- -24÷240~(±10%)	Ba15d 5W-10W LD ¹⁰⁵ ₁₁₅ _{145 F}	---	~ 50/60 Hz	Flash/min. 110±20
IP 65	□ °C -30 +50	On ∞	1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



OVOLUX L MT
OVOLMT *

(13)

	V ---	12 ÷ 24 ÷ 48			-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
BA 15d 5W LR BA 15d 5W	mA	430	210	100	35	21	22
	Cd (p)	4	3	3	2,5	2,5	2,5
BA 15d 10W LR BA 15d 10W	mA	830	420	210	90	45	42
	Cd (p)	6,5	4,5	4,8	3,7	3,8	3,8



Kg. 0,15

OVOLMT1248D1	30051	OVOLMT24240A1	30091
OVOLMT1248D2	30052	OVOLMT24240A2	30092
OVOLMT1248D3	30053	OVOLMT24240A3	30093
OVOLMT1248D4	30054	OVOLMT24240A4	30094
OVOLMT1248D5	30055	OVOLMT24240A5	30095
OVOLMT1248D6	30056	OVOLMT24240A6	30096

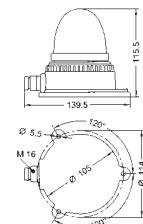


OVOLUX PG9 L MT
OVOPG9LMT *

(13)

M 16

	V ---	12 ÷ 24 ÷ 48			-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
BA 15d 5W LR BA 15d 5W	mA	430	210	100	35	21	22
	Cd (p)	4	3	3	2,5	2,5	2,5
BA 15d 10W LR BA 15d 10W	mA	830	420	210	90	45	42
	Cd (p)	6,5	4,5	4,8	3,7	3,8	3,8



Kg. 0,24



OVOLUX E L MT
OVOELMT *

(13)

	V ---	12 ÷ 24 ÷ 48			-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
BA 15d 5W LR BA 15d 5W	mA	430	210	100	35	21	22
	Cd (p)	4	3	3	2,5	2,5	2,5
BA 15d 10W LR BA 15d 10W	mA	830	420	210	90	45	42
	Cd (p)	6,5	4,5	4,8	3,7	3,8	3,8



Kg. 0,10

OVOELMT1248D1	31421	OVOELMT24240A1	31351
OVOELMT1248D2	31422	OVOELMT24240A2	31352
OVOELMT1248D3	31423	OVOELMT24240A3	31353
OVOELMT1248D4	31424	OVOELMT24240A4	31354
OVOELMT1248D5	31425	OVOELMT24240A5	31355
OVOELMT1248D6	31426	OVOELMT24240A6	31356

SISTEMI APPLICATIVI - APPLICATION SYSTEMS - SYSTEMES DE MONTAGE - ANWENDUNGSSYSTEME - SISTEMAS DE MONTAJE



Per ordinare l'opzione nera vedere codici su listino in vigore. * Fornito senza lampada.

Black option available on request. * Supplied without bulb. - Couleur noire disponible sur demande. * Fourni sans ampoule. Farbe Schwarz auf Anfrage lieferbar. * Ohne Lampe geliefert. - Color negro disponible bajo petición. * Suministrado sin lámpara.



LUCI LAMPEGGIANTI (E FISSE)

FLASHING (AND CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (ET A LUMIERE FIXE) / BLINK-/DAUERLEUCHTEN / LUCES INTERMITENTES (Y FIJAS)

V 12÷48---24÷240~(±10%)	Ba15d LD 103	105	143 F-145 F	---	50/60 Hz	Flash/min. 110±20
IP 54	<input type="checkbox"/>	°C	-30 +50	On		1 2 3 4 5 6 PC

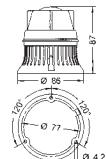


MICROLAMP L MT
ML L MT *

(13)

	V ---	12 ÷ 24 ÷ 48			-	-
	V ~	- 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	420	215	105	45	21
	Cd (p)	25	18	8	3	2

MLLM1248D1	79601	MLLM124240A1	79611
MLLM1248D2	79602	MLLM124240A2	79612
MLLM1248D3	79603	MLLM124240A3	79613
MLLM1248D4	79604	MLLM124240A4	79614
MLLM1248D5	79605	MLLM124240A5	79615
MLLM1248D6	79606	MLLM124240A6	79616



Kg. 0,12

Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

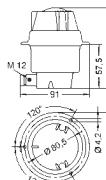


MICROLAMP R L MT
ML R L MT *

(13)

	V ---	12 ÷ 24 ÷ 48			-	-
	V ~	- 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	420	215	105	45	21
	Cd (p)	25	18	8	3	2

MLRLMT1248D1	79681	MLRLMT24240A1	79691
MLRLMT1248D2	79682	MLRLMT24240A2	79692
MLRLMT1248D3	79683	MLRLMT24240A3	79693
MLRLMT1248D4	79684	MLRLMT24240A4	79694
MLRLMT1248D5	79685	MLRLMT24240A5	79695
MLRLMT1248D6	79686	MLRLMT24240A6	79696



Kg. 0,15

V 12÷48---24÷240~(±10%)	CTL600: Ba15d LD 143 F	CTL900: Ba15d LD 143 F	113-115	145 F	- CTL1200: Ba15d LD 143 F	115	145 F
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---	~ 50/60 Hz	Flash/min. 110±20	IP 54	<input type="checkbox"/>	°C	-30 +50
On		1 2 3 4 5 6 PC				AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

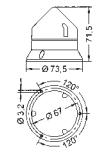


CTL 600 L MT
CTL 600 L MT *

(13)

	V ---	12 ÷ 24 ÷ 48			-	-
	V ~	- 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	425	215	105	45	21
	Cd (p)	30	30	10	3	3

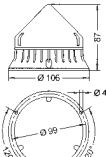
CTL600LMT1248D1	33521	CTL600LMT24240A1	33531
CTL600LMT1248D2	33522	CTL600LMT24240A2	33532
CTL600LMT1248D3	33523	CTL600LMT24240A3	33533
CTL600LMT1248D4	33524	CTL600LMT24240A4	33534
CTL600LMT1248D5	33525	CTL600LMT24240A5	33535
CTL600LMT1248D6	33526	CTL600LMT24240A6	33536



Kg. 0,074

CTL 900 L MT	CTL 900 L MT *	(13)			V ---	12 ÷ 24 ÷ 48			-	-
V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240								
mA	850	440	210	90	45	43				
Cd (p)	160	150	140	20	30	30				

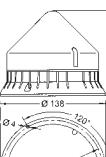
CTL900LMT1248D1	33561	CTL900LMT24240A1	33571
CTL900LMT1248D2	33562	CTL900LMT24240A2	33572
CTL900LMT1248D3	33563	CTL900LMT24240A3	33573
CTL900LMT1248D4	33564	CTL900LMT24240A4	33574
CTL900LMT1248D5	33565	CTL900LMT24240A5	33575
CTL900LMT1248D6	33566	CTL900LMT24240A6	33576



Kg. 0,15

CTL 1200 L MT	CTL 1200 L MT *	(13)			V ---	12 ÷ 24 ÷ 48			-	-
V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240								
A	2.2	1.1	0.52	0.22	0.10	0.10				
Cd (p)	450	500	500	50	80	80				

CTL1200LMT1248D1	33601	CTL1200LMT24240A1	33611
CTL1200LMT1248D2	33602	CTL1200LMT24240A2	33612
CTL1200LMT1248D3	33603	CTL1200LMT24240A3	33613
CTL1200LMT1248D4	33604	CTL1200LMT24240A4	33614
CTL1200LMT1248D5	33605	CTL1200LMT24240A5	33615
CTL1200LMT1248D6	33606	CTL1200LMT24240A6	33616



Kg. 0,27

Per ordinare l'opzione nera vedere codici su listino in vigore. * Fornito senza lampada.

Black option available on request. * Supplied without bulb. - Couleur noire disponible sur demande. * Fourni sans ampoule.

Farbe Schwarz auf Anfrage lieferbar. * Ohne Lampe geliefert. - Color negro disponible bajo petición. * Suministrado sin lámpara.

LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

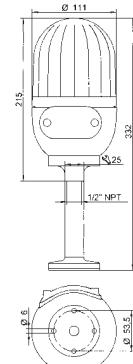
V 12÷48---24÷240~(±10%)	Ba 15d LD 105-205	V 12÷240~	---	~ 50/60 Hz	Flash/min. 110±20
IP 65	□	°C -30 +60	On ∞	1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINNUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



BABYLAMP L MT
BABYLMT *

(6)

 BA 15d 25W LR BA 15d 25W	V ---	12 ÷ 24 ÷ 48	-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240		
	A	2.2	1.1	0.52	0.22
	Cd (p)	100	70	60	75



Kg. 0,53

BABYLMT1248D1	26630	BABYLMT24240A1	26636
BABYLMT1248D2	26631	BABYLMT24240A2	26637
BABYLMT1248D3	26632	BABYLMT24240A3	26638
BABYLMT1248D4	26633	BABYLMT24240A4	26639
BABYLMT1248D5	26634	BABYLMT24240A5	26640
BABYLMT1248D6	26635	BABYLMT24240A6	26641

Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

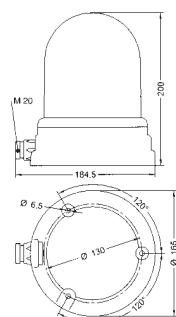
V 12÷48---24÷240~(±10%)	H1: 12-24	Ba15d LD 105-115-205	---	~ 50/60 Hz	Flash/min. 110±20
IP 55	□	°C -30 +50	On ∞	M 20	1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINNUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



PG/AGR/L
PGAGRLMT *
PGAGRLH

(3)

 BA 15d 40W LR BA 15d 40W	V ---	12 ÷ 24 ÷ 48	-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240		
	A	3.4	1.7	0.83	0.36
	Cd (p)	800	1000	800	75



Kg. 0,66

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ---	12	24
	V ~	12	24
	A	4.6	2.9
	Cd (p)	800	800

PGAGRLMT1248D1	47541	PGAGRLH12D1	47561	PGAGRLH24D1	47311
PGAGRLMT1248D2	47542	PGAGRLH12D2	47562	PGAGRLH24D2	47312
PGAGRLMT1248D3	47543	PGAGRLH12D3	47563	PGAGRLH24D3	47313
PGAGRLMT1248D4	47544	PGAGRLH12D4	47564	PGAGRLH24D4	47314
PGAGRLMT1248D5	47545	PGAGRLH12D5	47565	PGAGRLH24D5	47315
PGAGRLMT1248D6	47546	PGAGRLH12D6	47566	PGAGRLH24D6	47316
PGAGRLMT24240A1	47551	PGAGRLH12A1	47571	PGAGRLH24A1	47321
PGAGRLMT24240A2	47552	PGAGRLH12A2	47572	PGAGRLH24A2	47322
PGAGRLMT24240A3	47553	PGAGRLH12A3	47573	PGAGRLH24A3	47323
PGAGRLMT24240A4	47554	PGAGRLH12A4	47574	PGAGRLH24A4	47324
PGAGRLMT24240A5	47555	PGAGRLH12A5	47575	PGAGRLH24A5	47325
PGAGRLMT24240A6	47556	PGAGRLH12A6	47576	PGAGRLH24A6	47326

Per ordinare l'opzione nera vedere codici su listino in vigore. * Fornito senza lampada.

Black option available on request. * Supplied without bulb. - Couleur noire disponible sur demande. * Fourni sans ampoule. Farbe Schwarz auf Anfrage lieferbar. * Ohne Lampe geliefert. - Color negro disponible bajo petición. * Suministrado sin lámpara.



LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

V 12÷48 ---24÷240~(±10%) H1: 12-24	MF: Ba15d LD 103 205 MAF: Ba15d LD 105 205	---	50/60 Hz	Flash/min. 110±20
IP 54	□ °C -30 +50	On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE



MINIFLASH N
MF N L MT *
MF N H

(13)

M 16



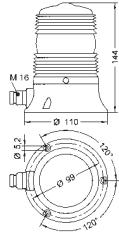
MINIFLASH P
MF P L MT *
MF P H

(13)



MINIFLASH E
MF E L MT *
MF E H

(13)



Kg. 0,40

	V ---	12 ÷ 24 ÷ 48			-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	A	2.2	1.1	0.52	0.22	0.10	0.10
BA 15d 25W LR BA 15d 25W	Cd (p)	150	200	270	30	45	45

	V ---	12	24
	V ~	12	24
	A	4.6	2.9
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	Cd (p)	600	500

MFLNLM1248D1	89171	MFPLMT24240A1	89221	MFNH12D1	82481	MFNH24A1	82511	MFPH24D1	82541	MFEH12A1	82571
MFLNLM1248D2	89172	MFPLMT24240A2	89222	MFNH12D2	82482	MFNH24A2	82512	MFPH24D2	82542	MFEH12A2	82572
MFLNLM1248D3	89173	MFPLMT24240A3	89223	MFNH12D3	82483	MFNH24A3	82513	MFPH24D3	82543	MFEH12A3	82573
MFLNLM1248D4	89174	MFPLMT24240A4	89224	MFNH12D4	82484	MFNH24A4	82514	MFPH24D4	82544	MFEH12A4	82574
MFLNLM1248D5	89175	MFPLMT24240A5	89225	MFNH12D5	82485	MFNH24A5	82515	MFPH24D5	82545	MFEH12A5	82575
MFLNLM1248D6	89176	MFPLMT24240A6	89226	MFNH12D6	82486	MFNH24A6	82516	MFPH24D6	82546	MFEH12A6	82576
MFLNLM1248D1	89181	MFELMT1248D1	89611	MFNH12A1	82491	MFPH12D1	82521	MFPH24A1	82551	MFEH12D1	82581
MFLNLM1248D2	89182	MFELMT1248D2	89612	MFNH12A2	82492	MFPH12D2	82522	MFPH24D2	82552	MFEH12D2	82582
MFLNLM1248D3	89183	MFELMT1248D3	89613	MFNH12A3	82493	MFPH12D3	82523	MFPH24A3	82553	MFEH12D3	82583
MFLNLM1248D4	89184	MFELMT1248D4	89614	MFNH12A4	82494	MFPH12D4	82524	MFPH24A4	82554	MFEH12D4	82584
MFLNLM1248D5	89185	MFELMT1248D5	89615	MFNH12A5	82495	MFPH12D5	82525	MFPH24A5	82555	MFEH12D5	82585
MFLNLM1248D6	89186	MFELMT1248D6	89616	MFNH12A6	82496	MFPH12D6	82526	MFPH24A6	82556	MFEH12D6	82586
MFLNLM1248D1	89211	MFELMT24240A1	89251	MFNH24D1	82501	MFPH12A1	82531	MFEH12D1	82561	MFEH24A1	82591
MFLNLM1248D2	89212	MFELMT24240A2	89252	MFNH24D2	82502	MFPH12A2	82532	MFEH12D2	82562	MFEH24A2	82592
MFLNLM1248D3	89213	MFELMT24240A3	89253	MFNH24D3	82503	MFPH12A3	82533	MFEH12D3	82563	MFEH24A3	82593
MFLNLM1248D4	89214	MFELMT24240A4	89254	MFNH24D4	82504	MFPH12A4	82534	MFEH12D4	82564	MFEH24A4	82594
MFLNLM1248D5	89215	MFELMT24240A5	89255	MFNH24D5	82505	MFPH12A5	82535	MFEH12D5	82565	MFEH24A5	82595
MFLNLM1248D6	89216	MFELMT24240A6	89256	MFNH24D6	82506	MFPH12A6	82536	MFEH12D6	82566	MFEH24A6	82596



MAXIFLASH N
MAF N L MT *
MAF N H

(6)

M 16



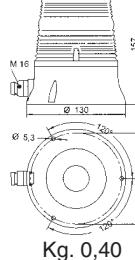
MAXIFLASH P
MAF P L MT *
MAF P H

(6)



MAXIFLASH E
MAF E L MT *
MAF E H

(6)



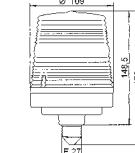
Kg. 0,40

	V ---	12 ÷ 24 ÷ 48			-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	A	2.2	1.1	0.52	0.22	0.11	0.10
BA 15d 25W LR BA 15d 25W	Cd (p)	135	140	140	20	30	30

	V ---	12	24
	V ~	12	24
	A	4.6	2.9
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	Cd (p)	350	350

	V ---	12 ÷ 24 ÷ 48			-	-	-
	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	A	3.4	1.7	0.83	0.36	0.17	0.17
BA 15d 40W LR BA 15d 40W	Cd (p)	300	450	400	50	80	80

	V ---	12	24
	V ~	12	24
	A	4.6	2.9
BA 15d 40W LR BA 15d 40W	Cd (p)	350	350



Kg. 0,40

MAFNLM1248D1	89331	MAFPMLT24240A1	89381	MAFNH12D1	83801	MAFNH24A1	83831	MAFPH24D1	83861	MAFEH12A1	83891
MAFNLM1248D2	89332	MAFPMLT24240A2	89382	MAFNH12D2	83802	MAFNH24A2	83832	MAFPH24D2	83862	MAFEH12A2	83892
MAFNLM1248D3	89333	MAFPMLT24240A3	89383	MAFNH12D3	83803	MAFNH24A3	83833	MAFPH24D3	83863	MAFEH12A3	83893
MAFNLM1248D4	89334	MAFPMLT24240A4	89384	MAFNH12D4	83804	MAFNH24A4	83834	MAFPH24D4	83864	MAFEH12A4	83894
MAFNLM1248D5	89335	MAFPMLT24240A5	89385	MAFNH12D5	83805	MAFNH24A5	83835	MAFPH24D5	83865	MAFEH12A5	83895
MAFNLM1248D6	89336	MAFPMLT24240A6	89386	MAFNH12D6	83806	MAFNH24A6	83836	MAFPH24D6	83866	MAFEH12A6	83896
MAFNLM1248D1	89341	MAFELMT1248D1	89621	MAFNH12A1	83811	MAFPH12D1	83841	MAFPH24A1	83871	MAFEH12D1	83901
MAFNLM1248D2	89342	MAFELMT1248D2	89622	MAFNH12A2	83812	MAFPH12D2	83842	MAFPH24A2	83872	MAFEH12D2	83902
MAFNLM1248D3	89343	MAFELMT1248D3	89623	MAFNH12A3	83813	MAFPH12D3	83843	MAFPH24A3	83873	MAFEH12D3	83903
MAFNLM1248D4	89344	MAFELMT1248D4	89624	MAFNH12A4	83814	MAFPH12D4	83844	MAFPH24A4	83874	MAFEH12D4	83904
MAFNLM1248D5	89345	MAFELMT1248D5	89625	MAFNH12A5	83815	MAFPH12D5	83845	MAFPH24A5	83875	MAFEH12D5	83905
MAFNLM1248D6	89346	MAFELMT1248D6	89626	MAFNH12A6	83816	MAFPH12D6	83846	MAFPH24A6	83876	MAFEH12D6	83906
MAFPMLT24240A1	89371	MAFPMLT24240A1	89411	MAFNH24D1	83821	MAFPH12A1	83851	MAFEH12D1	83881	MAFEH24A1	83911
MAFPMLT24240A2	89372	MAFPMLT24240A2	89412	MAFNH24D2	83822	MAFPH12A2	83852	MAFEH12D2	83882	MAFEH24A2	83912
MAFPMLT24240A3	89373	MAFPMLT24240A3	89413	MAFNH24D3	83823	MAFPH12A3	83853	MAFEH12D3	83883	MAFEH24A3	83913
MAFPMLT24240A4	89374	MAFPMLT24240A4	89414	MAFNH24D4	83824	MAFPH12A4	83854	MAFEH12D4	83884	MAFEH24A4	83914
MAFPMLT24240A5	89375	MAFPMLT24240A5	89415	MAFNH24D5	83825	MAFPH12A5	83855	MAFEH12D5	83885	MAFEH24A5	83915
MAFPMLT24240A6	89376	MAFPMLT24240A6	89416	MAFNH24D6	83826	MAFPH12A6	83856	MAFEH12D6	83886	MAFEH24A6	83916

Per ordinare l'opzione nera vedere codici su listino in vigore. * Fornito senza lampada.

Black option available on request. * Supplied without bulb. - Couleur noire disponible sur demande. * Fourni sans ampoule.

Farbe Schwarz auf Anfrage lieferbar. * Ohne Lampe geliefert. - Color negro disponible bajo petición. * Suministrado sin lámpara.

LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

V 12:48 --- 24:240 ~ (±10%) H1: 12-24	Ba15d LD 105 115 205	---	~ 50/60 Hz	Flash/min. 110 ± 20
IP 54	°C -30 +50	On ∞	M 16	1 2 3 4 5 6 PC



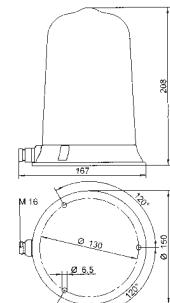
LAMPALLARM
FRESNEL P B

LA P B L M T *
LA P B H

① □

 BA 15d 40W LR BA 15d 40W	V ==	12	24	-	-	-
	V ~	-	24	48	110	230
	A	3.4	1.7	0.83	0.36	0.17
	Cd (p)	800	1000	800	75	150

AUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUISH
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



Kg. 0,5

LAPBLMT1248D1	89451	LAPBLMT24240A3	89463	LAPBH12D5	82405	LAPBH24D1	82421	LAPBH24A3	82433
LAPBLMT1248D2	89452	LAPBLMT24240A4	89464	LAPBH12D6	82406	LAPBH24D2	82422	LAPBH24A4	82434
LAPBLMT1248D3	89453	LAPBLMT24240A5	89465	LAPBH12A1	82411	LAPBH24D3	82423	LAPBH24A5	82435
LAPBLMT1248D4	89454	LAPBLMT24240A6	89466	LAPBH12A2	82412	LAPBH24D4	82424	LAPBH24A6	82436
LAPBLMT1248D5	89455	LAPBH12D1	82401	LAPBH12A3	82413	LAPBH24D5	82425		
LAPBLMT1248D6	89456	LAPBH12D2	82402	LAPBH12A4	82414	LAPBH24D6	82426		
LAPBLMT24240A1	89461	LAPBH12D3	82403	LAPBH12A5	82415	LAPBH24A1	82431		
LAPBLMT24240A2	89462	LAPBH12D4	82404	LAPBH12A6	82416	LAPBH24A2	82432		

Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

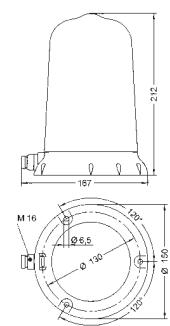


LAMPALLARM
FRESNEL AL B

LA AL B L M T *
LA AL B H

②

 BA 15d 40W LR BA 15d 40W	V ==	12	24	-	-	-
	V ~	-	24	48	110	230
	A	3.4	1.7	0.83	0.36	0.17
	Cd (p)	800	1000	800	75	150



Kg. 0,56

LAALBLMT1248D1	89491	LAALBLMT24240A3	89513	LAALBH12D5	82445	LAALBH24D1	82461	LAALBH24A3	82473
LAALBLMT1248D2	89492	LAALBLMT24240A4	89514	LAALBH12D6	82446	LAALBH24D2	82462	LAALBH24A4	82474
LAALBLMT1248D3	89493	LAALBLMT24240A5	89515	LAALBH12A1	82451	LAALBH24D3	82463	LAALBH24A5	82475
LAALBLMT1248D4	89494	LAALBLMT24240A6	89516	LAALBH12A2	82452	LAALBH24D4	82464	LAALBH24A6	82476
LAALBLMT1248D5	89495	LAALBH12D1	82441	LAALBH12A3	82453	LAALBH24D5	82465		
LAALBLMT1248D6	89496	LAALBH12D2	82442	LAALBH12A4	82454	LAALBH24D6	82466		
LAALBLMT24240A1	89511	LAALBH12D3	82443	LAALBH12A5	82455	LAALBH24A1	82471		
LAALBLMT24240A2	89512	LAALBH12D4	82444	LAALBH12A6	82456	LAALBH24A2	82472		

V 12 (14.5)	Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	Ba15d LD 105 115 205	---	IP 54	°C -10 +40
(Batt.: 12 V - 7 Ah)		1 2 3 4 5 6		PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUISH SELBSTLÖSCHEND AUTOEXTINGUIBLE



LUCE AUTOALIMENTATA
BATTERY OPERATED BEACON
FEU AUTO-ALIMENTÉE
LEUCHTE MIT EIGENVERSORGUNG
LUZ AUTOALIMENTADA

LAMPALLARM
FRESNEL A

A LA

⑥

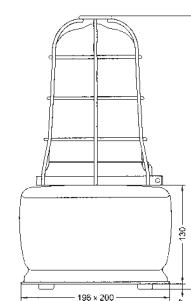


FORNITO SENZA BATTERIA

SUPPLIED WITHOUT BATTERY - FOURNI SANS BATTERIE

OHNE AKKU GELIEFERT - SUMINISTRADA SIN BATERÍA

 BA 15d 25W LR BA 15d 25W	V ==	12
	A	2.1
	Cd (p)	300
	On: 5 h	
	Flash/min	110 ± 20



Kg. 2,27

ALA12D1	89008
ALA12D2	89001
ALA12D3	89003
ALA12D4	89000
ALA12D5	89002

* Fornito senza lampada - * Supplied without bulb - * Fourni sans ampoule - * Ohne Lampe geliefert - * Suministrado sin lámpara



LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

V 12÷48---24÷240~(±10%) H1: 12-24	Ba15d LD 105 115 205	---	50/60 Hz	Flash/min. 110±20
IP 54	°C -30 +50	On ∞	1 2 3 4 5 6	PC

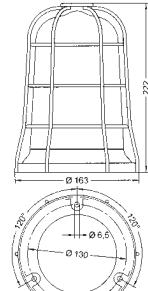
AUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUISH
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



**BLINDO
LAMPALLARM
FRESNEL AL B**
BD LA AL B L MT *
BD LA AL B H

(2) (17)

	V ---	12 ÷ 24 ÷ 48			-	-	-
BA 15d 40W LR BA 15d 40W	V ~	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	A	3.4	1.7	0.83	0.36	0.17	0.17
	Cd (p)	800	1000	800	75	150	150

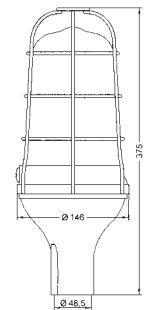


Kg. 0,95

	V ---	12	24				
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ~	12	24				
	A	4.6	2.9				
	Cd (p)	800	800				

BDLAALBLMT1248D1	89561	BDLAALBLMT24240A3	89573
BDLAALBLMT1248D2	89562	BDLAALBLMT24240A4	89574
BDLAALBLMT1248D3	89563	BDLAALBLMT24240A5	89575
BDLAALBLMT1248D4	89564	BDLAALBLMT24240A6	89576
BDLAALBLMT1248D5	89565	BDLAALBH12D2	86769
BDLAALBLMT1248D6	89566	BDLAALBH24D2	86786
BDLAALBLMT24240A1	89571	BDLAALBH24D3	86787
BDLAALBLMT24240A2	89572	BDLAALBH24A2	86752

	V	12 ÷ 24 ÷ 48			-	-	-
BA 15d 40W LR BA 15d 40W	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	A	3.4	1.7	0.83	0.36	0.17	0.17
	Cd (p)	800	1000	800	75	150	150



Kg. 1,3

	V ---	12	24				
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ~	12	24				
	A	4.6	2.9				
	Cd (p)	800	800				

BDLAPAGLMT1248D1	89581	BDLAPAGLMT24240A2	89592
BDLAPAGLMT1248D2	89582	BDLAPAGLMT24240A3	89593
BDLAPAGLMT1248D3	89583	BDLAPAGLMT24240A4	89594
BDLAPAGLMT1248D4	89584	BDLAPAGLMT24240A5	89595
BDLAPAGLMT1248D5	89585	BDLAPAGLMT24240A6	89596
BDLAPAGLMT1248D6	89586	BDLAPAGH24A5	86851
BDLAPAGLMT24240A1	89591		



**BLINDO
LAMPALLARM
FRESNEL P AG**

BD LA P AG L MT *
BD LA P AG H

(6) (7) (17)

	V ---	12	24				
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ~	12	24				
	A	4.6	2.9				
	Cd (p)	800	800				



V 12-24-48-110-230-240 (±10%)	Ba15d LD 105 - 115 - 205	---	50/60 Hz	Flash/min. 110±20
IP 67	°C -30 +50	On ∞	1 2 3 4 5 6	PC

AUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUISH
SELBSTLÖSCHEND
AUTOEXTINGUIBLE

SEGNALATORE STAGNO

WATERPROOF BEACON
FEU ETANCHE
WASSERDICHTE LEUCHTE
LUZ ESTANCA



**LAMPALLARM
FRESNEL
STAGNO**

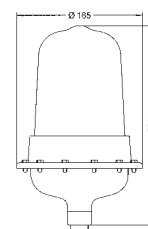
ST LA

ST LA H

(10)

INOX
STAINLESS STEEL
INOX
EDELSTAHL
INOX

	V ---	12	24	48	-	-	-
BA 15d 40W LR BA 15d 40W	V ~	-	24	48	110	230	240
	A	3.4	1.7	0.83	0.36	0.17	0.17
	Cd (p)	800	1000	800	75	150	150



Kg. 1,33

	V ---	12	24				
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ~	12	24				
	A	4.6	2.9				
	Cd (p)	800	800				

STLA12D6	90532	STLA48A2	90522	STLA240A3	90536
STLA12A6	90524	STLA48A3	90530	STLAH12D1	90540
STLA24D2	90520	STLA48A5	90519	STLAH12D3	90541
STLA24D3	90521	STLA110A2	90534	STLAH24D3	90516
STLA24D5	90527	STLA110A3	90533	STLAH24D5	90517
STLA24A2	90523	STLA230A2	90526	STLAH24A3	90515
STLA24A3	90528	STLA230A3	90529		
STLA24A5	90535	STLA230A5	90525		

* Fornito senza lampada - * Supplied without bulb - * Fourni sans ampoule - * Ohne Lampe geliefert - * Suministrado sin lámpara

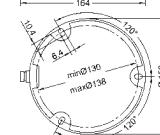
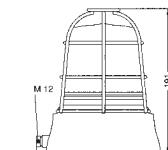
V 12-24-48-110-230-240 ($\pm 10\%$)	==	~ 50/60 Hz	Flash/min. 110±20	IP 54
°C -30 +50	On ∞	M 12	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

**BLINDO LAMP****BD L**
BD L H

(2) (17)

	V ==	12	24	48	-	-	-
BA 15s 45W LR BA 15s 45W E14 40W LR E14S 40W	V ~	12	24	48	110	230	240
A	3.8	1.9	0.9	0.36	0.18	0.17	
Cd (p)	200	150	100	100	100	100	

	V ==	12	24
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ~	12	24
A	4.6	2.9	
Cd (p)	350	350	



Kg. 1,0

BDL12D1	86002	BDL48D3	86037	BDLH12D1	86051
BDL12D2	86001	BDL48D4	86044	BDLH12D2	86050
BDL12D3	86004	BDL48D5	86045	BDLH12D3	86053
BDL12D4	86005	BDL48A2	86046	BDLH12D4	86054
BDL12D5	86041	BDL48A3	86042	BDLH12D5	86077
BDL12A1	86007	BDL110A1	86022	BDLH12D6	86052
BDL12A2	86003	BDL110A2	86021	BDLH12A1	86056
BDL12A3	86009	BDL110A3	86024	BDLH12A2	86055
BDL12A4	86010	BDL110A4	86025	BDLH12A3	86058
BDL12A6	86008	BDL110A5	86038	BDLH12A4	86059
BDL24D1	86012	BDL110A6	86023	BDLH12A6	86057
BDL24D2	86011	BDL230A1	86027	BDLH24D1	86061
BDL24D3	86014	BDL230A2	86026	BDLH24D2	86060
BDL24D4	86015	BDL230A3	86029	BDLH24D3	86068
BDL24D5	86043	BDL230A4	86030	BDLH24D4	86064
BDL24D6	86013	BDL230A5	86040	BDLH24D5	86070
BDL24A1	86017	BDL230A6	86028	BDLH24D6	86062
BDL24A2	86016	BDL240A1	86032	BDLH24A1	86066
BDL24A3	86019	BDL240A2	86031	BDLH24A2	86065
BDL24A4	86020	BDL240A3	86034	BDLH24A4	86069
BDL24A5	86039	BDL240A4	86035	BDLH24A5	86063
BDL24A6	86018	BDL240A5	86076	BDLH24A6	86067
BDL48D2	86036	BDL240A6	86033		

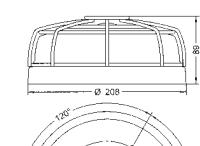
V 12-24-48-110-230-240 ($\pm 10\%$)	==	~ 50/60 Hz	Flash/min. 110±20	IP 54
°C -30 +50	On ∞	1 2 3 4 5 6 PC		AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

**BLINDO FLATLAMP****BD FTL**
BD FTL H

(2) (17)

	V ==	12	24	-	-	-
BA 15s 45W LR BA 15s 45W E14 40W LR E14S 40W	V ~	12	24	48	110	230
A	3.8	1.9	0.9	0.36	0.18	0.17
Cd (p)	2000	1500	300	200	200	200

	V ==	12	24
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ~	12	24
A	4.6	2.9	
Cd (p)	4000	3600	



Kg. 1,1

BDFTL12D1	86251	BDFTL48D1	86292	BDFTLH12D1	86300
BDFTL12D2	86250	BDFTL48D2	86296	BDFTLH12D2	86305
BDFTL12D3	86253	BDFTL48D3	86293	BDFTLH12D3	86303
BDFTL12D4	86254	BDFTL48D5	86291	BDFTLH12D4	86304
BDFTL12D5	86285	BDFTL48A2	86294	BDFTLH12D5	86301
BDFTL12D6	86252	BDFTL48A3	86297	BDFTLH12D6	86302
BDFTL12A1	86256	BDFTL110A1	86271	BDFTLH12A1	86306
BDFTL12A2	86255	BDFTL110A2	86270	BDFTLH12A3	86308
BDFTL12A3	86258	BDFTL110A3	86273	BDFTLH12A4	86309
BDFTL12A4	86259	BDFTL110A4	86274	BDFTLH12A6	86307
BDFTL12A6	86257	BDFTL110A6	86272	BDFTLH24D1	86311
BDFTL24D1	86261	BDFTL230A1	86276	BDFTLH24D2	86310
BDFTL24D2	86260	BDFTL230A2	86275	BDFTLH24D3	86313
BDFTL24D3	86263	BDFTL230A3	86278	BDFTLH24D4	86314
BDFTL24D4	86264	BDFTL230A4	86279	BDFTLH24D5	86320
BDFTL24D5	86287	BDFTL230A5	86290	BDFTLH24D6	86312
BDFTL24D6	86262	BDFTL230A6	86277	BDFTLH24A1	86316
BDFTL24A1	86266	BDFTL240A1	86281	BDFTLH24A2	86315
BDFTL24A2	86265	BDFTL240A2	86280	BDFTLH24A3	86318
BDFTL24A3	86268	BDFTL240A3	86283	BDFTLH24A4	86319
BDFTL24A4	86269	BDFTL240A4	86284	BDFTLH24A6	86317
BDFTL24A5	86295	BDFTL240A5	86289		
BDFTL24A6	86267	BDFTL240A6	86282		



LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

V 12-24 ($\pm 10\%$)	$\equiv \equiv$	\sim 50/60 Hz	Flash/min. 0-110±20	IP 54
°C -30 +50	On ∞	M 12		6 VETRO GLASS VERRE GLAS VIDRIO AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUISHING SELBSTLÖSCHEND AUTOEXTINGUIBLE

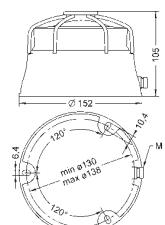


BLINDO FARO

BD FR

(2) (15) (17)

	LR PAR 36	V $\equiv \equiv$	12	24
	12 V 30 W 24 V 50 W	V \sim	12	24
		A	2.5	2
	SEALED BEAM	Cd (p)	21000	21000



Kg. 0,95

BDFR24D6 86357

V 12-24-110-230-240 ($\pm 10\%$)	V 12-24-48: Ba15s LD ¹⁰⁵ ₁₁₅ ₂₀₅	V 110-230: E14 LD ¹⁰⁵ ₁₁₅ ₂₀₅	$\equiv \equiv$
\sim 50/60 Hz	Flash/min. 110±20	IP 54	□
On ∞		1 2 3 4 5 6	°C -30 +50 PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUISHING SELBSTLÖSCHEND AUTOEXTINGUIBLE

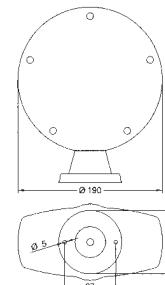


FAROLAMP N

FRL N
FRL N H

(9)

	V $\equiv \equiv$	12	24	48	-	-	-
	V \sim	12	24	48	110	230	240
	A	3.8	1.9	0.9	0.36	0.18	0.17
BA 15s 45W LR BA 15s 45W E14 40W LR E14S 40W	Cd (p)	2000	1500	300	200	200	200



Kg. 0,84

FRLN12D1	85001	FRLN24D6	85102	FRLN230A1	85006	FRLNH12A1	85009
FRLN12D2	84900	FRLN24A1	85004	FRLN230A2	84905	FRLNH12A2	84911
FRLN12D3	85200	FRLN24A2	84903	FRLN230A3	85205	FRLNH12A3	85211
FRLN12D4	85300	FRLN24A3	85203	FRLN230A4	85303	FRLNH12A4	85311
FRLN12D5	84910	FRLN24A4	84920	FRLN230A5	84907	FRLNH12A6	85108
FRLN12D6	85100	FRLN24A5	84908	FRLN230A34	85386	FRLNH24D2	84912
FRLN12D36	85385	FRLN24A6	85103	FRLN240A1	85007	FRLNH24D3	85212
FRLN12A1	85002	FRLN48D3	84918	FRLN240A2	84906	FRLNH24D4	85312
FRLN12A2	84901	FRLN48D5	84915	FRLN240A3	85206	FRLNH24D6	85109
FRLN12A3	85201	FRLN48A2	84914	FRLN240A5	85207	FRLNH24A1	85011
FRLN12A4	85301	FRLN48A5	84935	FRLN240A6	85106	FRLNH24A2	84913
FRLN12A6	85101	FRLN110A1	85005	FRLN240A34	85105	FRLNH24A3	85213
FRLN24D1	85003	FRLN110A2	84904	FRLN12D1	85008	FRLNH24A4	85313
FRLN24D2	84902	FRLN110A3	85204	FRLNH12D3	85210	FRLNH24A6	85110
FRLN24D3	85202	FRLN110A4	84919	FRLNH12D4	85310		
FRLN24D4	85302	FRLN110A5	84909	FRLNH12D5	84916		
FRLN24D5	85000	FRLN110A6	85104	FRLNH12D6	85107		

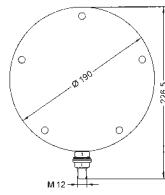


FAROLAMP P

FRL P
FRL P H

(40)

FRLP12D1	84996	FRLP48D3	85288	FRLPH12D5	84989
FRLP12D2	84986	FRLP48D5	85290	FRLPH12D6	85214
FRLP12A3	85124	FRLP48A3	85287	FRLPH12A2	84999
FRLP24D2	84987	FRLP48A4	85315	FRLPH24D3	85123
FRLP24D3	85286	FRLP110A3	85281	FRLPH24D5	85122
FRLP24D4	85314	FRLP230A1	85216	FRLPH24A1	84994
FRLP24D5	85126	FRLP230A2	84985	FRLPH24A3	85010
FRLP24D6	85125	FRLP230A3	85282	FRLPH24A4	85016
FRLP24A2	84993	FRLP230A4	85280	FRLPH24A5	84997
FRLP24A3	85285	FRLP230A5	84988	FRLPH24A6	85017
FRLP24A4	85317	FRLP240A3	85289		
FRLP48D2	85305	FRLP240A4	85283		



Kg. 0,72

LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

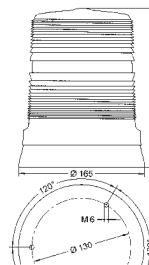
V 12-24-48-110-230-240 ($\pm 10\%$) H1: 12-24	E ₂₇ LD 205 345 445 545	==	\sim 50/60 Hz	Flash/min. 110±20
IP 65	°C -30 +50	On ∞	1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



STROBOLAMP N
STLN
STLN H

(2)

 BA 15s 45W == LR BA 15s 45W E14 40W ~ LR E14S 40W	V ==	12	24	48	-	-	-
	V ~	12	24	48	110	230	240
A	3.8	1.9	0.9	0.36	0.18	0.17	
Cd (p)	600	450	300	250	300	250	



Kg. 1,0

STLN12D2	87200	STLN24D1	87211	STLN24A6	87217	STLN110A4	87224	STLN240A2	87230	STLN12A1	87256	STLNH24D5	87249
STLN12D3	87203	STLN24D2	87210	STLN48D2	87239	STLN110A5	87237	STLN240A3	87233	STLN12A2	87255	STLNH24D6	87262
STLN12D4	87204	STLN24D3	87213	STLN48D3	87240	STLN110A6	87222	STLN240A4	87234	STLN12A3	87258	STLNH24A1	87266
STLN12D5	87235	STLN24D4	87214	STLN48D5	87242	STLN230A1	87226	STLN240A5	87245	STLN12A4	87259	STLNH24A2	87265
STLN12D6	87202	STLN24D5	87236	STLN48A2	87243	STLN230A2	87225	STLN240A6	87232	STLN12A5	87418	STLNH24A3	87268
STLN12A1	87206	STLN24D6	87212	STLN48A3	87244	STLN230A3	87228	STLN12D1	87251	STLN12A6	87257	STLNH24A4	87269
STLN12A2	87205	STLN24A1	87216	STLN48A5	87219	STLN230A4	87229	STLN12D2	87250	STLNH24D1	87261	STLNH24A5	87248
STLN12A3	87208	STLN24A2	87215	STLN110A1	87221	STLN230A5	87238	STLN12D3	87253	STLNH24D2	87260	STLNH24A6	87267
STLN12A4	87209	STLN24A3	87218	STLN110A2	87220	STLN230A6	87227	STLN12D4	87254	STLNH24D3	87263		
STLN12A6	87207	STLN24A5	87241	STLN110A3	87223	STLN240A1	87231	STLN12D6	87252	STLNH24D4	87264		

 BA 15s 45W == LR BA 15s 45W E14 40W ~ LR E14S 40W	V ==	12	24	48	-	-	-
	V ~	12	24	48	110	230	240
A	3.8	1.9	0.9	0.36	0.18	0.17	
Cd (p)	600	450	300	250	300	250	

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ==	12	24				
	V ~	12	24				
A	4.6	2.9					
Cd (p)	1100	1100					

Kg. 1,16

STLAG12D1	87271	STLAG24D1	87281	STLAG48D3	87415	STLAG230A3	87298	STLAGH12D2	87305	STLAGH24D3	87318
STLAG12D2	87270	STLAG24D2	87280	STLAG48D5	87347	STLAG230A4	87299	STLAGH12D3	87308	STLAGH24D4	87319
STLAG12D3	87273	STLAG24D3	87283	STLAG48A2	87327	STLAG230A5	87329	STLAGH12D4	87309	STLAGH24D5	87328
STLAG12D4	87274	STLAG24D4	87284	STLAG48A3	87325	STLAG230A6	87297	STLAGH12D6	87307	STLAGH24D6	87317
STLAG12D5	87326	STLAG24D6	87282	STLAG110A1	87291	STLAG240A1	87301	STLAGH12A1	87311	STLAGH24A1	87321
STLAG12D6	87272	STLAG24A1	87286	STLAG110A2	87336	STLAG240A2	87300	STLAGH12A2	87310	STLAGH24A2	87320
STLAG12A1	87276	STLAG24A2	87285	STLAG110A3	87293	STLAG240A3	87303	STLAGH12A3	87313	STLAGH24A3	87323
STLAG12A2	87275	STLAG24A3	87288	STLAG110A4	87294	STLAG240A4	87304	STLAGH12A4	87314	STLAGH24A4	87324
STLAG12A3	87278	STLAG24A4	87289	STLAG110A6	87292	STLAG240A5	87290	STLAGH12A6	87312	STLAGH24A6	87322
STLAG12A4	87279	STLAG24A5	87412	STLAG230A1	87296	STLAG240A6	87302	STLAGH24D1	87316		
STLAG12A6	87277	STLAG24A6	87287	STLAG230A2	87295	STLAGH12D1	87306	STLAGH24D2	87315		

V 12-24-110-230-240 ($\pm 10\%$)	==	\sim 50/60 Hz	Flash/min. 110±20	IP 54
°C -30 +50	On ∞	M 20	1 2 3 4 5 6	PMMA

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24 Ba 15d 75W ALOGENA LR BA 15 d 75W	V ==	12	24	-	-	-	
	V ~	12	24	110	230	240	
A	4.6	2.9	0.68	0.32	0.3		
Cd (p)	350	350	350	350	350		

Kg. 3,8

LAMPOLUX H	LPX H	5 14	90°	90°	90°	90°	321	332
LPXH12D2	26051	LNXH110A3	26064					
LNXH12D3	26052	LNXH230A2	26069					
LNXH24D2	26057	LNXH230A3	26070					
LNXH24D3	26058	LNXH240A2	26075					
LNXH110A2	26063	LNXH240A3	26076					

65



LUCI FISSE

CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE / DAUERLEUCHTEN / LUCES FIJAS

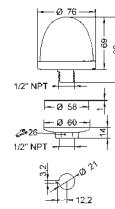
V 12 ÷ 240 V (±10%)	Ba15d 5W-10W LD ¹⁰⁵ ₁₁₅ ₁₄₅ F	—	~ 50/60 Hz	IP 65
□ °C -30 +50	On ∞		1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



OVOLUX F MT
OVOFMT *

(13)

	V ~	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
mA	430	210	100	35	21	22	
Cd (p)	4	3	3	2,5	2,5	2,5	
mA	830	420	210	90	45	42	
Cd (p)	6,5	4,5	4,8	3,7	3,8	3,8	



Kg. 0,15

OVOFMT12240DA1	30011	OVOFMT12240DA4	30014
OVOFMT12240DA2	30012	OVOFMT12240DA5	30015
OVOFMT12240DA3	30013	OVOFMT12240DA6	30016



CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE / DAUERLEUCHTEN / LUCES FIJAS

V 12÷240 V (±10%)	Ba15d LD 103 105-143 F 145 F	---	50/60 Hz	IP 54
<input type="checkbox"/> °C -30 +50	On ∞			AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE

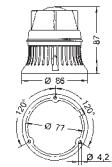


MICROLAMP F MT
ML F MT *

(13)

	V	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	415	210	105	45	22
	Cd (p)	25	18	8	3	2

MLFMT12240DA1	79781	MLFMT12240DA4	79784
MLFMT12240DA2	79782	MLFMT12240DA5	79785
MLFMT12240DA3	79783	MLFMT12240DA6	79786



Kg. 0,12

Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición - Suministrado sin lámpara.

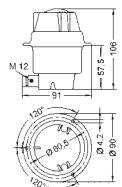


MICROLAMP R F MT
ML R F MT *

(13)

	V	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	415	210	105	45	22
	Cd (p)	25	18	8	3	2

MLRFMT12240DA1	79791	MLRFMT12240DA4	79794
MLRFMT12240DA2	79792	MLRFMT12240DA5	79795
MLRFMT12240DA3	79793	MLRFMT12240DA6	79796



Kg. 0,15

V 12÷240 V (±10%)	CTL600: Ba15d LD 143 F - CTL900: Ba15d LD 113-115 143 F - CTL1200: Ba15d LD 115 145 F	---	50/60 Hz	IP 54	<input type="checkbox"/>	°C -30 +50
On ∞						AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE

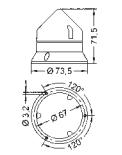


CTL 600 F MT
CTL 600 F MT *

(13)

	V	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	415	210	105	45	22
	Cd (p)	30	30	10	3	3

CTL600FMT12240DA1	33831	CTL600FMT12240DA4	33834
CTL600FMT12240DA2	33832	CTL600FMT12240DA5	33835
CTL600FMT12240DA3	33833	CTL600FMT12240DA6	33836



Kg. 0,074

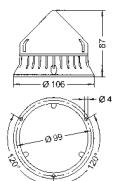


CTL 900 F MT
CTL 900 F MT *

(13)

	V	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	830	415	210	90	44
	Cd (p)	160	150	140	20	30

CTL900FMT12240DA1	33841	CTL900FMT12240DA4	33844
CTL900FMT12240DA2	33842	CTL900FMT12240DA5	33845
CTL900FMT12240DA3	33843	CTL900FMT12240DA6	33846



Kg. 0,15

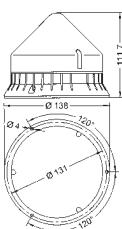


CTL 1200 F MT
CTL 1200 F MT *

(13)

	V	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	A	2.1	1.1	0.52	0.22	0.11
	Cd (p)	450	500	500	50	80

CTL1200FMT12240DA1	33851	CTL1200FMT12240DA4	33854
CTL1200FMT12240DA2	33852	CTL1200FMT12240DA5	33855
CTL1200FMT12240DA3	33853	CTL1200FMT12240DA6	33856



Kg. 0,27

Per ordinare l'opzione nera vedere codici su listino in vigore. * Fornito senza lampada.

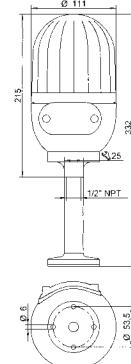
Black option available on request. * Supplied without bulb. - Couleur noire disponible sur demande. * Fourni sans ampoule. Farbe Schwarz auf Anfrage lieferbar. * Ohne Lampe geliefert. - Color negro disponible bajo petición. * Suministrado sin lámpara.

V 12÷240 V~ (± 10%)	Ba 15d LD 105 - 205	---	~ 50/60 Hz	IP 65
<input type="checkbox"/> °C -30 +60	On ∞		1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE


BABYLAMP F MT
BABYFMT *

⑥

V ~	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	A		2.1	1.1	0.52	0.22
	Cd (p)		100	70	60	75
BA 15d 25W LR BA 15d 25W			75	75	80	



Kg. 0,53

BABYFMT12240DA1	26801	BABYFMT12240DA4	26804
BABYFMT12240DA2	26802	BABYFMT12240DA5	26805
BABYFMT12240DA3	26803	BABYFMT12240DA6	26806

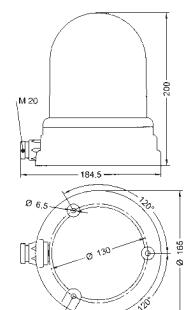
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

V 12÷240 V~ (± 10%)	Ba15d LD 105-115-205	---	~ 50/60 Hz	IP 55
<input type="checkbox"/> °C -30 +50	On ∞	M 20		1 2 3 4 5 6 PC


PG/AGR/F MT
PG AGR F MT *

③

V ~	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	A		3.3	1.65	0.83	0.36
	Cd (p)		800	1000	800	75
BA 15d 40W LR BA 15d 40W			150	150	150	150



Kg. 0,66

PGAGRFMT12240DA1	47531	PGAGRFMT12240DA4	47534
PGAGRFMT12240DA2	47532	PGAGRFMT12240DA5	47535
PGAGRFMT12240DA3	47533	PGAGRFMT12240DA6	47536

Per ordinare l'opzione nera vedere codici su listino in vigore. * Fornito senza lampada.

Black option available on request. * Supplied without bulb. - Couleur noire disponible sur demande. * Fourni sans ampoule.
Farbe Schwarz auf Anfrage lieferbar. * Ohne Lampe geliefert. - Color negro disponible bajo petición. * Suministrado sin lámpara.

V $12 \div 240 \text{ V}$ ($\pm 10\%$)	MF: Ba15d LD 103_{205} MAF: Ba15d LD 105_{205}	\equiv	\sim 50/60 Hz	IP 54
<input type="checkbox"/> °C -30 +50	On ∞			AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE



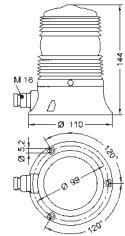
M 16
MINIFLASH
N F MT
MF N F MT *

(13)



MINIFLASH
P F MT
MF P F MT *

(13)



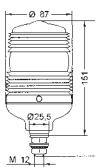
Kg. 0,4



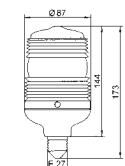
MINIFLASH
E F MT
MF E F MT *

(13)

	V V	12 \div 24 \div 48 \div 110 \div 230 \div 240					
	A	2.1	1.1	0.52	0.22	0.11	0.10
	Cd (p)	150	200	270	30	45	45
BA 15d 25W							
LR BA 15d 25W							



Kg. 0,35



Kg. 0,30



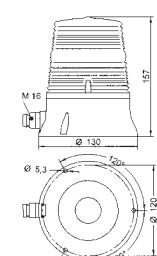
M 16
MAXIFLASH
N F MT
MAF N F MT *

(6)



MAXIFLASH
P F MT
MAF P F MT *

(6)



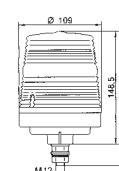
Kg. 0,4



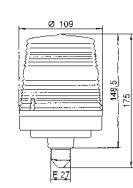
MAXIFLASH
E F MT
MAF E F MT *

(6)

	V V	12 \div 24 \div 48 \div 110 \div 230 \div 240					
	A	2.1	1.1	0.52	0.22	0.11	0.10
	Cd (p)	135	140	140	20	30	30
BA 15d 25W							
LR BA 15d 25W							



Kg. 0,4



Kg. 0,45

Per ordinare l'opzione nera vedere codici su listino in vigore. * Fornito senza lampada.

Black option available on request. * Supplied without bulb. - Couleur noire disponible sur demande. * Fourni sans ampoule. Farbe Schwarz auf Anfrage lieferbar. * Ohne Lampe geliefert. - Color negro disponible bajo petición. * Suministrado sin lámpara.

V 12 ÷ 240 ($\pm 10\%$)	Ba15d LD 105-115-205	---	~ 50/60 Hz	IP 54
°C -30 +50	On ∞		1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

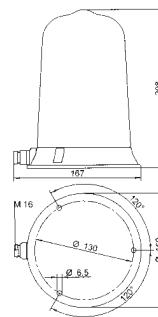


**LAMPALLARM
FRESNEL P B F MT**
LA P B F MT *

(1)

M 16

	V $\frac{--}{--}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
		A	3.3	1.65	0.83	0.36	0.17
BA 15d 40W LR BA 15d 40W	Cd (p)	800	1000	800	75	150	150



Kg. 0,5

LAPBFMT12240DA1	89431	LAPBFMT12240DA4	89434
LAPBFMT12240DA2	89432	LAPBFMT12240DA5	89435
LAPBFMT12240DA3	89433	LAPBFMT12240DA6	89436

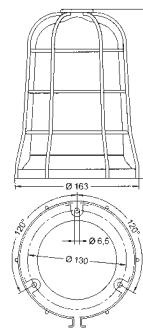
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición



**BLINDO
LAMPALLARM
FRESNEL AL B F MT**
BD LA AL B F MT *

(2) (17)

	V $\frac{--}{--}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
		A	3.3	1.65	0.83	0.36	0.17
BA 15d 40W LR BA 15d 40W	Cd (p)	800	1000	800	75	150	150



Kg. 0,95

BDLAALBFMT12240DA1	89551	BDLAALBFMT12240DA4	89554
BDLAALBFMT12240DA2	89552	BDLAALBFMT12240DA5	89555
BDLAALBFMT12240DA3	89553	BDLAALBFMT12240DA6	89556

* Fornito senza lampada - * Supplied without bulb - * Fourni sans ampoule - * Ohne Lampe geliefert - * Suministrado sin lámpara

V 12-24 ($\pm 10\%$)	---	~ 50/60 Hz	IP 54	°C -30 +50
On ∞	M 12		6	AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

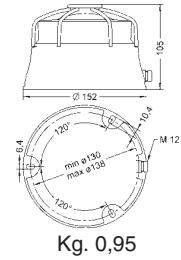


**BLINDO FARO LF
FBD FR**

(2) (15) (17)

	LR PAR 36 12 V 30 W 24 V 50 W	V ---	12	24
		V ~	12	24
		A	2.5	2
		Cd (p)	21000	21000

FBDFR24D6 86350



Kg. 0,95

V 12-24-110-230-240 ($\pm 10\%$)	V 12-24-48: Ba15s LD 105 115 205	V 110-230: E14 LD 105 115 205	---	~ 50/60 Hz
IP 54	□	°C -40 +50	On ∞	1 2 3 4 5 6 PC


FAROLAMP N LF
FFRL N
FFRL N H

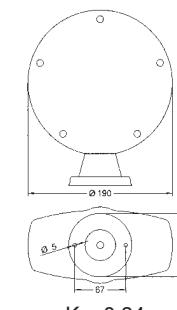
(9)


FAROLAMP P LF
FFRL P
FFRL P H

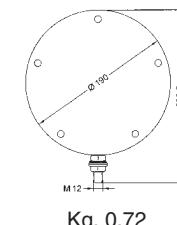
(40)

	V --	12	24	48	-	-	-
	V ~	12	24	48	110	230	240
	A	3.8	1.9	0.9	0.36	0.18	0.17
BA 15s 45W --- LR BA 15s 45W E14 40W ~ LR E14S 40W	Cd (p)	2000	1500	300	200	200	200

	V --	12	24				
	V ~	12	24				
	A	4.6	2.9				
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	Cd (p)	4000	3600				



FFRLN12DA3	81899	FFRLN240DA3	85061
FFRLN24DA1	81900	FFRLN240DA4	85060
FFRLN24DA2	81907	FFRLN240DA5	85063
FFRLN24DA3	81901	FFRLNH12DA2	81909
FFRLN24DA4	81896	FFRLNH24DA3	81912
FFRLN24DA6	81916	FFRLNH24DA4	81913
FFRLN48A2	81904	FFRLNH24DA5	81906
FFRLN48A3	81902	FFRLP12DA2	81905
FFRLN48A4	81903	FFRLP24DA4	85316
FFRLN48A6	81915	FFRLP24DA5	81895
FFRLN110DA2	81911	FFRLP230DA3	85080
FFRLN230DA1	85072	FFRLP230DA4	85081
FFRLN230DA2	85069	FFRLPH12DA6	81897
FFRLN230DA3	85068	FFRLPH24DA3	81893
FFRLN230DA4	85071	FFRLPH24DA4	81894
FFRLN230DA5	85070	FFRLPH24DA6	81898
FFRLN240DA1	85062		



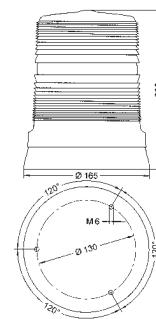
V 12-24-48-110-230-240 ($\pm 10\%$)	E27 LD 205 - 345 - 445 - 545	---	~ 50/60 Hz	IP 65
°C -40 +60	On ∞	1 2 3 4 5 6 / PC	AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	


STROBOLAMP N LF
FSTLN N
FSTLN H

(2)

	V --	12	24	48	-	-	-
	V ~	12	24	48	110	230	240
	A	3.8	1.9	0.9	0.36	0.18	0.17
BA 15s 45W --- LR BA 15s 45W E14 40W ~ LR E14S 40W	Cd (p)	600	450	300	250	300	250

	V --	12	24				
	V ~	12	24				
	A	4.6	2.9				
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	Cd (p)	1100	1100				

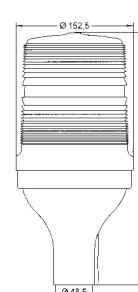

STROBOLAMP AG LF
FSTL AG
FSTL AG H

(7)

	V --	12	24	48	-	-	-
	V ~	12	24	48	110	230	240
	A	3.8	1.9	0.9	0.36	0.18	0.17
BA 15s 45W --- LR BA 15s 45W E14 40W ~ LR E14S 40W	Cd (p)	600	450	300	250	300	250

	V --	12	24				
	V ~	12	24				
	A	4.6	2.9				
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	Cd (p)	1100	1100				

FSTLAG12DA3	81611	FSTLAG230DA4	81612
FSTLAG24DA3	81603	FSTLAG230DA5	81620
FSTLAG48D3	81618	FSTLAG240DA3	81629
FSTLAG230DA3	81610	FSTLAG12DA2	81617



Disponibili versioni con lampade a LED conformi alle normative ICAO Annex 14 Chapter 6 Low Intensity type A – B.
 Versions are available with LED bulbs according to ICAO norms Annex 14 Chapter 6 Low Intensity type A – B. / Disponibles versions avec ampoules à LED'S selon les normes ICAO Annex 14 Chapter 6 Low Intensity type A – B. / Ausführungen mit LED-Leuchtmittel nach ICAO Normen – Annex 14 Chapter 6 Low Intensity type A – B lieferbar. / Disponibles versiones con lámparas de LED'S según las normas ICAO Annex 14 Chapter 6 Low Intensity type A – B.



XENON FLASHING BEACONS / FEUX A ECLATS / BLITZLEUCHTEN / LUCES DE DESTELLOS

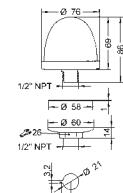
V 24 -110 -230 ÷ 240 ($\pm 10\%$)	$\equiv \equiv$	\sim 50/60 Hz	J 2	2 F	Flash/min. 2x65±10
IP 65	<input type="checkbox"/>	°C -30 +40	On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



OVOLUX X
OVOX
(13)

2F	V $\equiv \equiv$	24	-	-	-
	V \sim	110	230÷240		
	mA	360	50	60	65
		200	75	120	150
	Cd (p)	100	35	90	100
		300	110	210	250

XENON 2J
LRX 2J



Kg. 0,15

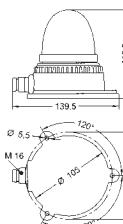
OVOX24DA1	30131	OVOX110A1	30171	OVOX230240A1	30211
OVOX24DA2	30132	OVOX110A2	30172	OVOX230240A2	30212
OVOX24DA3	30133	OVOX110A3	30173	OVOX230240A3	30213
OVOX24DA4	30134	OVOX110A4	30174	OVOX230240A4	30214
OVOX24DA5	30135	OVOX110A5	30175	OVOX230240A5	30215
OVOX24DA6	30136	OVOX110A6	30176	OVOX230240A6	30216



OVOLUX PG9 X
OVOPG9X
(13)

2F	V $\equiv \equiv$	24	-	-	-
	V \sim	110	230÷240		
	mA	360	50	60	65
		200	75	120	150
	Cd (p)	100	35	90	100
		300	110	210	250

XENON 2J
LRX 2J



Kg. 0,24

OVOPG9X24DA1	30151	OVOPG9X110A1	30191	OVOPG9X230240A1	30231
OVOPG9X24DA2	30152	OVOPG9X110A2	30192	OVOPG9X230240A2	30232
OVOPG9X24DA3	30153	OVOPG9X110A3	30193	OVOPG9X230240A3	30233
OVOPG9X24DA4	30154	OVOPG9X110A4	30194	OVOPG9X230240A4	30234
OVOPG9X24DA5	30155	OVOPG9X110A5	30195	OVOPG9X230240A5	30235
OVOPG9X24DA6	30156	OVOPG9X110A6	30196	OVOPG9X230240A6	30236



OVOLUX E X
OVOEX
(13)

2F	V $\equiv \equiv$	24	-	-	-
	V \sim	110	230÷240		
	mA	360	50	60	65
		200	75	120	150
	Cd (p)	100	35	90	100
		300	110	210	250

XENON 2J
LRX 2J



Kg. 0,10

OVOEX24DA1	31411	OVOEX110A1	31371	OVOEX230240A1	31391
OVOEX24DA2	31412	OVOEX110A2	31372	OVOEX230240A2	31392
OVOEX24DA3	31413	OVOEX110A3	31373	OVOEX230240A3	31393
OVOEX24DA4	31414	OVOEX110A4	31374	OVOEX230240A4	31394
OVOEX24DA5	31415	OVOEX110A5	31375	OVOEX230240A5	31395
OVOEX24DA6	31416	OVOEX110A6	31376	OVOEX230240A6	31396

SISTEMI APPLICATIVI - APPLICATION SYSTEMS - SYSTEMES DE MONTAGE - ANWENDUNGSSYSTEME - SISTEMAS DE MONTAJE



Per ordinare l'opzione nera vedere codici su listino in vigore.

Black option available on request. - Couleur noire disponible sur demande. - Farbe Schwarz auf Anfrage lieferbar. - Color negro disponible bajo petición.



LUCI XENO

XENON FLASHING BEACONS / FEUX A ECLATS / BLITZLEUCHTEN / LUCES DE DESTELLOS

V 12÷24-110-230÷240 ($\pm 10\%$)	\equiv	\sim 50/60 Hz	J 1	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 54	<input type="checkbox"/>	°C -30 +40	On ∞	1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUISHED SELBSTLÖSCHEND AUTOEXTINGUIBLE

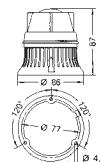


MICROXENOLAMP

MXL 1J 1F

(13)

1F XENON 1J LRX 1J	V \equiv	12÷24		-	-	-
	V \sim	110	230÷240			
	mA	200	160	45	40	45
	Cd (p)	350	450	350	750	850



Kg. 0,12

MXL1F1224DA1	64112	MXL1F110A1	64118	MXL1F230240A3	64124
MXL1F1224DA2	64113	MXL1F110A2	64119	MXL1F230240A4	64125
MXL1F1224DA3	64114	MXL1F110A3	64120	MXL1F230240A5	64126
MXL1F1224DA4	64115	MXL1F110A5	64121	MXL1F230240A6	64127
MXL1F1224DA5	64116	MXL1F230240A1	64122		
MXL1F1224DA6	64117	MXL1F230240A2	64123		

Per ordinare l'opzione nera vedere codici su listino in vigore.

Black option available on request. - Couleur noire disponible sur demande. - Farbe Schwarz auf Anfrage lieferbar. - Color negro disponible bajo petición.

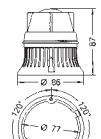


MICROXENOLAMP

MXL 1J 2F

(13)

2F XENON 1J LRX 1J	V \equiv	12÷24		-	-	-
	V \sim	110	230÷240			
	mA	200	160	70	60	65
	Cd (p)	350	450	350	750	850



Kg. 0,12

MXL2F1224DA1	64134	MXL2F1224DA6	64139	MXL2F230240A2	64143
MXL2F1224DA2	64135	MXL2F110A2	64140	MXL2F230240A3	64144
MXL2F1224DA3	64136	MXL2F110A3	64141	MXL2F230240A5	64145
MXL2F1224DA4	64137	MXL2F110A5	64142	MXL2F230240A6	64151
MXL2F1224DA5	64138	MXL2F230240A1	64146		

Per ordinare l'opzione nera vedere codici su listino in vigore.

Black option available on request. - Couleur noire disponible sur demande. - Farbe Schwarz auf Anfrage lieferbar. - Color negro disponible bajo petición.

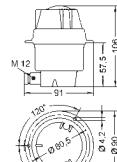


MICROXENOLAMP R

MXL R 1J 1F

(13)

1F XENON 1J LRX 1J	V \equiv	12÷24		-	-	-
	V \sim	110	230÷240			
	mA	200	160	45	40	45
	Cd (p)	350	450	350	750	850



Kg. 0,16

MXLR1F1224DA1	64219	MXLR1F110A1	64225	MXLR1F230240A1	64231
MXLR1F1224DA2	64220	MXLR1F110A2	64226	MXLR1F230240A2	64232
MXLR1F1224DA3	64221	MXLR1F110A3	64227	MXLR1F230240A3	64233
MXLR1F1224DA4	64222	MXLR1F110A4	64228	MXLR1F230240A4	64234
MXLR1F1224DA5	64223	MXLR1F110A5	64229	MXLR1F230240A5	64235
MXLR1F1224DA6	64224	MXLR1F110A6	64230	MXLR1F230240A6	64236

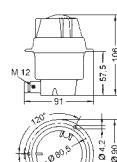


MICROXENOLAMP R

MXL R 1J 2F

(13)

2F XENON 1J LRX 1J	V \equiv	12÷24		-	-	-
	V \sim	110	230÷240			
	mA	200	160	70	60	65
	Cd (p)	350	450	350	750	850



Kg. 0,16

MXLR2F1224DA1	64243	MXLR2F110A1	64249	MXLR2F230240A1	64255
MXLR2F1224DA2	64244	MXLR2F110A2	64250	MXLR2F230240A2	64256
MXLR2F1224DA3	64245	MXLR2F110A3	64251	MXLR2F230240A3	64257
MXLR2F1224DA4	64246	MXLR2F110A4	64252	MXLR2F230240A4	64258
MXLR2F1224DA5	64247	MXLR2F110A5	64253	MXLR2F230240A5	64259
MXLR2F1224DA6	64248	MXLR2F110A6	64254	MXLR2F230240A6	64260

V 12÷24-110-230÷240 ($\pm 10\%$)	\equiv	\sim	50/60 Hz	J 1-2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 54	<input type="checkbox"/>	°C -10 +40	On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUILDE

CTL X 900
CTL X 900 1J 1F



XENON 1J LRX 1J	V \equiv	12÷24		-	-	-
	V \sim			110	230÷240	
	mA	150	80	45	45	45
	Cd (p)	2000	2000	1000	1000	1000
CTLX9001J1F1224DA1	64442	CTLX9001J1F110A1	64448	CTLX9001J1F230240A1	64454	
CTLX9001J1F1224DA2	64443	CTLX9001J1F110A2	64449	CTLX9001J1F230240A2	64455	
CTLX9001J1F1224DA3	64444	CTLX9001J1F110A3	64450	CTLX9001J1F230240A3	64456	
CTLX9001J1F1224DA4	64445	CTLX9001J1F110A4	64451	CTLX9001J1F230240A4	64457	
CTLX9001J1F1224DA5	64446	CTLX9001J1F110A5	64452	CTLX9001J1F230240A5	64458	
CTLX9001J1F1224DA6	64447	CTLX9001J1F110A6	64453	CTLX9001J1F230240A6	64459	

Kg. 0,17

CTL X 900
CTL X 900 1J 2F



XENON 1J LRX 1J	V \equiv	12÷24		-	-	-
	V \sim			110	230÷240	
	mA	300	250	50	60	65
	Cd (p)	1500	1650	700	700	700
500	600	300	300	300	300	300

Kg. 0,17

CTL X 1200
CTL X 1200 2J 1F
CTL X 1200 6J 1F



XENON 2J LRX 2J	V \equiv	12÷24		-	-	-
	V \sim			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	2500	2750	1750	2000	2200
XENON 6J LRX 6J	V \equiv	12÷24		-	-	-
	V \sim			110	230÷240	
	A	1.2	1.3	0.35	0.21	0.22
	Cd (p)	4800	4800	3200	4800	5100
CTLX12002J1F1224DA1	64484	CTLX12002J1F230240A1	64496	CTLX12006J1F110A1	64530	
CTLX12002J1F1224DA2	64485	CTLX12002J1F230240A2	64497	CTLX12006J1F110A2	64531	
CTLX12002J1F1224DA3	64486	CTLX12002J1F230240A3	64498	CTLX12006J1F110A3	64532	
CTLX12002J1F1224DA4	64487	CTLX12002J1F230240A4	64499	CTLX12006J1F110A4	64533	
CTLX12002J1F1224DA5	64488	CTLX12002J1F230240A5	64500	CTLX12006J1F110A5	64534	
CTLX12002J1F1224DA6	64489	CTLX12002J1F230240A6	64501	CTLX12006J1F110A6	64535	
CTLX12002J1F110A1	64490	CTLX12006J1F1224DA1	64524	CTLX12006J1F230240A1	64536	
CTLX12002J1F110A2	64491	CTLX12006J1F1224DA2	64525	CTLX12006J1F230240A2	64537	
CTLX12002J1F110A3	64492	CTLX12006J1F1224DA3	64526	CTLX12006J1F230240A3	64538	
CTLX12002J1F110A4	64493	CTLX12006J1F1224DA4	64527	CTLX12006J1F230240A4	64539	
CTLX12002J1F110A5	64494	CTLX12006J1F1224DA5	64528	CTLX12006J1F230240A5	64540	
CTLX12002J1F110A6	64495	CTLX12006J1F1224DA6	64529	CTLX12006J1F230240A6	64541	

CTL X 1200
CTL X 1200 2J 2F
CTL X 1200 6J 2F



XENON 2J LRX 2J	V \equiv	12÷24		-	-	-
	V \sim			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	800	950	1200	1150	1200
XENON 6J LRX 6J	V \equiv	12÷24		-	-	-
	V \sim			110	230÷240	
	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	1750	1750	2000	2600	2850
64512	64512	CTLX12006J2F1224DA1	64548	CTLX12006J2F230240A3	64557	
64513	64513	CTLX12006J2F1224DA2	64549	CTLX12006J2F230240A4	64561	
64514	64514	CTLX12006J2F1224DA3	64550	CTLX12006J2F230240A5	64562	
64515	64515	CTLX12006J2F1224DA4	64551	CTLX12006J2F230240A6	64563	
64516	64516	CTLX12006J2F1224DA5	64552			
64516	64516	CTLX12006J2F1224DA6	64553			

CTL X 1200
CTL X 1200 2J 2F
CTL X 1200 6J 2F



CTLX12002J2F1224DA1	64508	CTLX12002J2F230240A3	64517	CTLX12006J2F110A2	64554
CTLX12002J2F1224DA2	64509	CTLX12002J2F230240A4	64521	CTLX12006J2F110A3	64555
CTLX12002J2F1224DA3	64510	CTLX12002J2F230240A5	64522	CTLX12006J2F230240A1	64558
CTLX12002J2F1224DA4	64511	CTLX12002J2F230240A6	64523	CTLX12006J2F230240A2	64556
CTLX12002J2F1224DA5	64512	CTLX12006J2F1224DA1	64548	CTLX12006J2F230240A3	64557
CTLX12002J2F1224DA6	64513	CTLX12006J2F1224DA2	64549	CTLX12006J2F230240A4	64561
CTLX12002J2F110A2	64514	CTLX12006J2F1224DA3	64550	CTLX12006J2F230240A5	64562
CTLX12002J2F110A3	64515	CTLX12006J2F1224DA4	64551	CTLX12006J2F230240A6	64563
CTLX12002J2F230240A1	64518	CTLX12006J2F1224DA5	64552		
CTLX12002J2F230240A2	64516	CTLX12006J2F1224DA6	64553		

Per ordinare l'opzione nera vedere codici su listino in vigore.
Black option available on request. - Couleur noire disponible sur demande. - Farbe Schwarz auf Anfrage lieferbar. - Color negro disponible bajo petición.



LUCI XENO

XENON FLASHING BEACONS / FEUX A ECLATS / BLITZLEUCHTEN / LUCES DE DESTELLOS

V 12÷24-110÷240 ($\pm 10\%$)	==	~ 50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 54	<input type="checkbox"/>	°C -30 +40	On	1 2 3 4 5 6 PC



XENOFLASH N
XF 2J 1F N
XF 2J 2F N

(13)



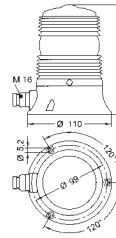
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XF 2J 1F P
XF 2J 2F P

(13)



XENOFLASH E
XF 2J 1F E
XF 2J 2F E

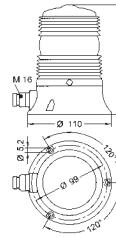
(13)



Kg. 0,30

1F	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	700	1000	1300	1400	1450

XF2J1FN1224DA1	63753	XF2J1FN230240A4	63768	XF2J1FP230240A2	63800	XF2J1FE110A5	63825	XF2J2FN230240A2	63784
XF2J1FN1224DA2	63754	XF2J1FN230240A5	63769	XF2J1FP230240A3	63801	XF2J1FE110A6	63826	XF2J2FN230240A3	63785
XF2J1FN1224DA3	63755	XF2J1FN230240A6	63770	XF2J1FP230240A4	63802	XF2J1FE230240A1	63827	XF2J2FP1224DA2	63811
XF2J1FN1224DA4	63756	XF2J1FP1224DA1	63788	XF2J1FP230240A5	63803	XF2J1FE230240A2	63828	XF2J2FP1224DA3	63812
XF2J1FN1224DA5	63757	XF2J1FP1224DA2	63789	XF2J1FP230240A6	63804	XF2J1FE230240A3	63829	XF2J2FP1224DA4	63813
XF2J1FN1224DA6	63758	XF2J1FP1224DA3	63790	XF2J1FE1224DA1	63817	XF2J1FE230240A4	63830	XF2J2FP110A2	63814
XF2J1FN110A1	63759	XF2J1FP1224DA5	63791	XF2J1FE1224DA2	63818	XF2J1FE230240A5	63831	XF2J2FP230240A2	63815
XF2J1FN110A2	63760	XF2J1FP1224DA6	63792	XF2J1FE1224DA3	63819	XF2J1FE230240A6	63832	XF2J2FE1224DA1	89631
XF2J1FN110A3	63761	XF2J1FP110A1	63793	XF2J1FE1224DA4	89617	XF2J2FN1224DA2	63777	XF2J2FE1224DA2	89632
XF2J1FN110A4	63762	XF2J1FP110A2	63794	XF2J1FE1224DA6	89618	XF2J2FN1224DA3	63778	XF2J2FE1224DA3	89633
XF2J1FN110A5	63763	XF2J1FP110A3	63795	XF2J1FE1224DA5	63820	XF2J2FN1224DA4	63779	XF2J2FE1224DA4	89634
XF2J1FN110A6	63764	XF2J1FP110A4	63796	XF2J1FE110A1	63821	XF2J2FN1224DA5	63780	XF2J2FE1224DA5	89635
XF2J1FN230240A1	63765	XF2J1FP110A5	63797	XF2J1FE110A2	63822	XF2J2FN110A2	63781	XF2J2FE1224DA6	89636
XF2J1FN230240A2	63766	XF2J1FP110A6	63798	XF2J1FE110A3	63823	XF2J2FN110A3	63782	XF2J2FE110A2	63838
XF2J1FN230240A3	63767	XF2J1FP230240A1	63799	XF2J1FE110A4	63824	XF2J2FN110A4	63783	XF2J2FE230240A2	63839



Kg. 0,30

**MAXIXENOFLASH N**

MXF 2J 1F N
MXF 2J 2F N
MXF 6J 1F N
MXF 6J 2F N

M 16

(6)



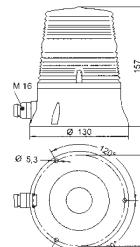
MAXIXENOFLASH P
MXF 2J 1F P
MXF 2J 2F P
MXF 6J 1F P
MXF 6J 2F P

(6)



MAXIXENOFLASH E
MXF 2J 1F E
MXF 2J 2F E
MXF 6J 1F E
MXF 6J 2F E

(6)



Kg. 0,55

1F	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	500	700	1100	1200	1250

1F	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	A	1.2	1.3	0.35	0.21	0.22
	Cd (p)	2600	2600	2000	2600	2650

2F	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	300	400	600	350	400

2F	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	570	600	450	1250	1300



Kg. 0,55

MXF2J1FN1224DA1	63841	MXF6J1FN1224DA2	63866	MXF2J1FP1224DA5	63905	MXF6J1FP230240A1	63929	MXF2J1FE1224DA3	63958	MXF6J2FN1224DA2	63894	MXF2J2FE1224DA2	89652
MXF2J1FN1224DA2	63842	MXF6J1FN1224DA3	63867	MXF2J1FP110A1	63906	MXF6J1FP230240A2	63930	MXF2J1FE1224DA6	63959	MXF6J2FN1224DA3	63895	MXF2J2FE1224DA3	89653
MXF2J1FN1224DA3	63843	MXF6J1FN1224DA4	63868	MXF2J1FP110A2	63907	MXF6J1FP230240A3	63931	MXF6J1FE1224DA1	63961	MXF6J2FN1224DA5	63896	MXF2J2FE1224DA4	89654
MXF2J1FN1224DA4	63844	MXF6J1FN1224DA5	63869	MXF2J1FP110A3	63908	MXF6J1FP230240A4	63932	MXF6J1FE1224DA2	63962	MXF6J2FN1224DA2	63897	MXF2J2FE1224DA5	89655
MXF2J1FN1224DA5	63845	MXF6J1FN1224DA6	63870	MXF2J1FP110A4	63909	MXF6J1FP230240A5	63933	MXF6J1FE1224DA3	63963	MXF6J2FN1224DA3	63898	MXF2J2FE1224DA6	89656
MXF2J1FN1224DA6	63846	MXF6J1FN110A1	63871	MXF2J1FP110A6	63910	MXF6J1FP230240A6	63934	MXF6J1FE1224DA4	63964	MXF6J2FN230240A2	63899	MXF2J2FE110A2	63978
MXF2J1FN110A1	63847	MXF6J1FN110A2	63872	MXF2J1FP230240A1	63911	MXF2J1FE1224DA1	63941	MXF6J1FE1224DA5	63965	MXF6J2FN230240A3	63900	MXF2J2FE230240A2	63979
MXF2J1FN110A2	63848	MXF6J1FN110A3	63873	MXF2J1FP230240A2	63912	MXF2J1FE1224DA2	63942	MXF6J1FE1224DA6	63966	MXF6J2FN230240A5	63961	MXF2J2FE1224DA1	89671
MXF2J1FN110A3	63849	MXF6J1FN110A4	63874	MXF2J1FP230240A3	63913	MXF2J1FE1224DA3	63943	MXF6J1FE110A2	63966	MXF6J2FP1224DA2	63939	MXF6J2FE1224DA2	89672
MXF2J1FN110A4	63850	MXF6J1FN110A5	63875	MXF2J1FP230240A4	63914	MXF2J1FE1224DA4	63944	MXF6J1FE110A3	63967	MXF6J2FP1224DA3	63940	MXF6J2FE1224DA3	89673
MXF2J1FN110A5	63851	MXF6J1FN110A6	63876	MXF2J1FP230240A5	63915	MXF2J1FE1224DA5	63945	MXF6J1FE110A4	63968	MXF6J2FP110A2	63941	MXF6J2FE1224DA4	89674
MXF2J1FN110A6	63852	MXF6J1FN230240A1	63877	MXF2J1FP230240A6	63916	MXF2J1FE1224DA6	63946	MXF6J1FE230240A1	63969	MXF6J2FP230240A2	63942	MXF6J2FE1224DA5	89675
MXF2J1FN230240A1	63853	MXF6J1FN230240A2	63878	MXF2J1FP1224DA2	63917	MXF2J1FE110A1	63951	MXF6J1FE230240A2	63970	MXF6J2FP230240A6	63943	MXF6J2FE1224DA6	89676
MXF2J1FN230240A2	63854	MXF6J1FN230240A3	63879	MXF2J1FP110A1	63918	MXF2J1FE110A3	63952	MXF6J1FE230240A3	63971	MXF6J2FP1224DA2	63945	MXF6J2FE110A2	63981
MXF2J1FN230240A3	63855	MXF6J1FN230240A4	63880	MXF2J1FP110A2	63919	MXF2J1FE110A4	63953	MXF6J1FE230240A6	63972	MXF6J2FP1224DA3	63946	MXF6J2FE230240A2	63982
MXF2J1FN230240A4	63856	MXF6J1FN230240A5	63881	MXF2J1FP110A3	63919	MXF2J1FE110A5	63954	MXF6J2FP1224DA2	63973	MXF6J2FP110A2	63947		
MXF2J1FN230240A5	63857	MXF6J1FN230240A6	63882	MXF2J1FP110A4	63920	MXF2J1FE110A6	63955	MXF6J2FP110A2	63974	MXF6J2FP1224DA2	63948		
MXF2J1FN230240A6	63858	MXF2J1FP1224DA1	63903	MXF6J1FP110A5	63921	MXF2J1FE230240A1	63956						

J 2:	V 12÷24 -110-230÷240 ($\pm 10\%$)	J 3/9:	V 12÷24 -110÷240 ($\pm 10\%$)	---	~ 50/60 Hz
J 2	J 3/9	IP 65	□ °C -10 +50	On ∞	 1 2 3 4 5 6 PC

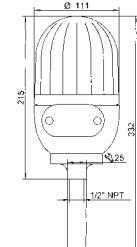


BABYFLASH
BABYX2J1F
BABYX2J2F
BABYX3/9J1/4F

⑥

1F	V ---	12÷24		-	-	-
		110	230÷240			
XENON 2J	mA	500	440	80	42	43
LRX 2J	Cd (p)	700	1000	1300	1400	1450
	Fl/min	65±10				

2F	V ---	12÷24		-	-	-
		110	230÷240			
XENON 2J	mA	470	400	95	36	37
LRX 2J	Cd (p)	350	400	600	500	550
	Fl/min	2 x 65±10				

AUTOESTINGUENTE
SELF-EXTINCTION
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGÜBLE2J Kg. 0,55
3/9J Kg. 0,62

BABYX2J1F1224DA1	26701	BABYX2J2F110A1	26727
BABYX2J1F1224DA2	26702	BABYX2J2F110A2	26728
BABYX2J1F1224DA3	26703	BABYX2J2F110A3	26729
BABYX2J1F1224DA4	26704	BABYX2J2F110A4	26730
BABYX2J1F1224DA5	26705	BABYX2J2F110A5	26731
BABYX2J1F1224DA6	26706	BABYX2J2F110A6	26732
BABYX2J1F110A1	26707	BABYX2J2F230240A1	26733
BABYX2J1F110A2	26708	BABYX2J2F230240A2	26734
BABYX2J1F110A3	26709	BABYX2J2F230240A3	26735
BABYX2J1F110A4	26710	BABYX2J2F230240A4	26736
BABYX2J1F110A5	26711	BABYX2J2F230240A5	26737
BABYX2J1F110A6	26712	BABYX2J2F230240A6	26738
BABYX2J1F230240A1	26713	BABYX39J14F1224DA1	26661
BABYX2J1F230240A2	26714	BABYX39J14F1224DA2	26662
BABYX2J1F230240A3	26715	BABYX39J14F1224DA3	26663
BABYX2J1F230240A4	26716	BABYX39J14F1224DA4	26664
BABYX2J1F230240A5	26717	BABYX39J14F1224DA5	26665
BABYX2J1F230240A6	26718	BABYX39J14F1224DA6	26666
BABYX2J2F1224DA1	26721	BABYX39J14F110240DA1	26671
BABYX2J2F1224DA2	26722	BABYX39J14F110240DA2	26672
BABYX2J2F1224DA3	26723	BABYX39J14F110240DA3	26673
BABYX2J2F1224DA4	26724	BABYX39J14F110240DA4	26674
BABYX2J2F1224DA5	26725	BABYX39J14F110240DA5	26675
BABYX2J2F1224DA6	26726	BABYX39J14F110240DA6	26676

Per ordinare l'opzione nera vedere codici su listino in vigore. - Black option available on request. - Couleur noire disponible sur demande. - Farbe Schwarz auf Anfrage lieferbar. - Color negro disponible bajo petición.

V 12÷24 -110÷240 ($\pm 10\%$)	---	~ 50/60 Hz	J 3/9	IP 54
°C -30 +40	On ∞	M 16	 1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE



LAMPALLARM
XENOFRESNEL
P B

LAXPB3/9J1/4F

① □

LAXPB39J14F1224DA1	84681
LAXPB39J14F1224DA2	84682
LAXPB39J14F1224DA3	84683
LAXPB39J14F1224DA4	84684
LAXPB39J14F1224DA5	84685
LAXPB39J14F1224DA6	84686
LAXPB14F110240DA1	84691
LAXPB14F110240DA2	84692
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LAXPB14F110240DA4	84694
LAXPB14F110240DA5	84695
LAXPB14F110240DA6	84696



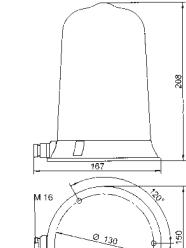
LAMPALLARM
XENOFRESNEL AL B

LAXALB3/9J1/4F

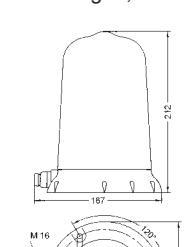
②

1/4F	V ---	12÷24		110÷230÷240		
		12÷24	110÷230÷240	-	-	-
XENON 3-9J	A ---	1.8	1.2	0.35	0.25	0.25
LRX 39J	V ~	12÷24	110÷230÷240	-	-	-
	A ~	3	2	0.4	0.28	0.28
	Cd(p)	2100	2100	1200	1200	1200
	Flash/min	140 ± 5		95 ± 5		
	Cd(p)	2100	2100	1800	1800	1800
		800	1600	2000	2000	2000
	Flash/min	95 ± 5		65 ± 5		
	Cd(p)	2100	2100	1800	1800	1800
		800	1800	2200	2200	2200
		750	1700	2300	2300	2300
	Flash/min	65 ± 5		55 ± 5		
	Cd(p)	2200	2100	2100	2100	2100
		900	1800	2500	2500	2500
		800	1800	2600	2600	2600
		700	1700	2600	2600	2600
	Flash/min	55 ± 5		45 ± 5		

LAXALB39J14F1224DA1	84661	LAXALB14F110240DA1	84671
LAXALB39J14F1224DA2	84662	LAXALB14F110240DA2	84672
LAXALB39J14F1224DA3	84663	LAXALB14F110240DA3	84673
LAXALB39J14F1224DA4	84664	LAXALB14F110240DA4	84674
LAXALB39J14F1224DA5	84665	LAXALB14F110240DA5	84675
LAXALB39J14F1224DA6	84666	LAXALB14F110240DA6	84676



Kg. 0,5



Kg. 0,70

Per ordinare l'opzione nera vedere codici su listino in vigore. - Black option available on request. - Couleur noire disponible sur demande. - Farbe Schwarz auf Anfrage lieferbar. - Color negro disponible bajo petición.



LUCI XENO

XENON FLASHING BEACONS / FEUX A ECLATS / BLITZLEUCHTEN / LUCES DE DESTELLOS

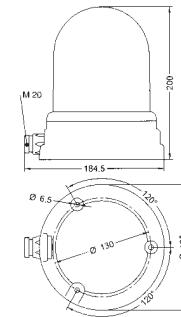
V 12÷24-110÷240 ($\pm 10\%$)	---	~ 50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 55	<input type="checkbox"/>	°C -30 +40	On ∞	M 20 1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINQUISE AUTO-EXTINGUISH SELBSTLÖSCHEND AUTOEXTINGUIBLE



PG/X/AGR
PGXAGR 2J 1F
PGXAGR 2J 2F

(3)

1F XENON 2J LRX 2J	V ---	12÷24		-	-	-
	V ~	-		110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	500	700	1100	1200	1250
2F XENON 2J LRX 2J	V ---	12÷24		-	-	-
	V ~	-		110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	300	400	600	350	400
250 300 500 250 300 500 300						



Kg. 0,72

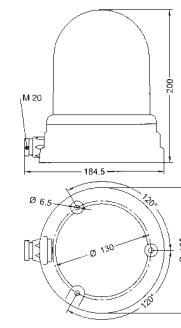
PGXAGR2J1F1224DA1	47361	PGXAGR2J1F230240A1	47371
PGXAGR2J1F1224DA2	47362	PGXAGR2J1F230240A2	47372
PGXAGR2J1F1224DA3	47363	PGXAGR2J1F230240A3	47373
PGXAGR2J1F1224DA5	47365	PGXAGR2J1F230240A4	47374
PGXAGR2J1F1224DA6	47366	PGXAGR2J1F230240A5	47375
		PGXAGR2J1F230240A6	47376



PG/X/AGR
PGXAGR 6J 1F
PGXAGR 6J 2F

(3)

1F XENON 6J LRX 6J	V ---	12÷24		-	-	-
	V ~	-		110	230÷240	
	A	1.2	1.3	0.35	0.21	0.22
	Cd (p)	3000	3000	2000	4500	5000
2F XENON 6J LRX 6J	V ---	12÷24		-	-	-
	V ~	-		110	230÷240	
	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	1500	2000	980	2000	2250
500 1000 600 800 1000						



Kg. 0,72

PGXAGR6J1F1224DA1	47381	PGXAGR6J1F230240A2	47402
PGXAGR6J1F1224DA2	47382	PGXAGR6J1F230240A3	47403
PGXAGR6J1F1224DA3	47383	PGXAGR6J1F230240A4	47404
PGXAGR6J1F1224DA4	47384	PGXAGR6J1F230240A5	47405
PGXAGR6J1F1224DA5	47385	PGXAGR6J1F230240A6	47406
PGXAGR6J1F110A2	47392	PGXAGR6J2F1224DA2	47412
PGXAGR6J1F230240A1	47401		

Per ordinare l'opzione nera vedere codici su listino in vigore.

Black option available on request. - Couleur noire disponible sur demande. - Farbe Schwarz auf Anfrage lieferbar. - Color negro disponible bajo petición.

V 12÷24-110÷240 ($\pm 10\%$)	---	~ 50/60 Hz	J 15-20	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 54	°C -30 +40	On ∞	M 20 1 2 3 4 5 6 PMMA	

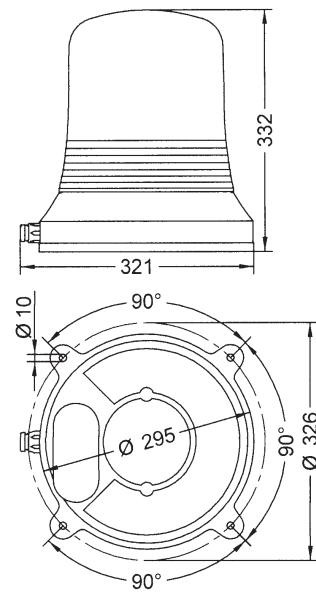
STROBOLUX

STX 15 J 1F
STX 20 J 2F

(5 14)



1F XENON 15J LRX 15J	V ---	12÷24		-	-	-
	V ~	-		110	230÷240	
	A	2.3	1.2	0.10	0.15	0.16
	Cd (p)	21500	22000	4600	16500	18000
2F XENON 20J LRX 15J	V ---	12÷24		-	-	-
	V ~	-		110	230÷240	
	A	3.9	2.7	0.58	0.77	0.80
	Cd (p)	26500	26500	5000	17000	17000
7500 10000 2000 11000 11000						



V 12÷24-110÷230÷240 ($\pm 10\%$)	---	~ 50/60 Hz	J 2-6-15-20	Flash/min.	1F: 65±10 - 2F: 2x65±10
IP 65	°C -30 +40	On 		1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



STROBOFLASH N
STF 2J 1F N
STF 2J 2F N
STF 6J 1F N
STF 6J 2F N
STF 15J 1F N *
STF 20J 2F N *

(2) (5)

1F 	V ---	12÷24		-	-	-
	V ~	-	-	110	230÷240	
	A	2.3	1.2	0.1	0.15	0.16
	Cd (p)	21500	22000	4600	16500	18000

2F 	V ---	12÷24		-	-	-
	V ~	-	-	110	230÷240	
	A	3.9	2.7	0.58	0.77	0.80
	Cd (p)	26500	26500	5000	17000	17000

STF2J1FN1224DA1	22130	STF2J2FN1224DA1	22136	STF6J1FN110A3	87579	STF6J2FN230240A2	22179	STF15J1FN230240A6	87763
STF2J1FN1224DA2	22131	STF2J2FN1224DA2	22137	STF6J1FN110A5	87496	STF15J1FN1224D1	22190	STF20J2FN1224D1	87651
STF2J1FN1224DA3	22132	STF2J2FN1224DA3	22138	STF6J1FN110A6	87547	STF15J1FN1224D2	22191	STF20J2FN1224D2	87650
STF2J1FN1224DA4	22133	STF2J2FN1224DA4	22139	STF6J1FN230240A1	87537	STF15J1FN1224D3	22192	STF20J2FN1224D3	87653
STF2J1FN1224DA5	22134	STF2J2FN1224DA5	22140	STF6J1FN230240A2	87536	STF15J1FN1224D6	22195	STF20J2FN1224D4	87654
STF2J1FN110A1	87511	STF2J2FN1224D6	22141	STF6J1FN230240A3	87539	STF15J1FN110A1	87648	STF20J2FN1224D5	87655
STF2J1FN110A2	87498	STF2J2FN110A2	22143	STF6J1FN230240A4	87540	STF15J1FN110A2	87656	STF20J2FN1224D6	87652
STF2J1FN110A3	87513	STF2J2FN230240A1	22148	STF6J1FN230240A5	87578	STF15J1FN110A3	87730	STF20J2FN110A2	22203
STF2J1FN110A5	87499	STF2J2FN230240A2	22149	STF6J1FN230240A6	87538	STF15J1FN110A4	87649	STF20J2FN110A3	22204
STF2J1FN110A6	87512	STF2J2FN230240A3	22150	STF6J2FN1224DA2	22167	STF15J1FN110A5	87658	STF20J2FN110A5	22206
STF2J1FN230240A1	87516	STF6J1FN1224DA1	22160	STF6J2FN1224DA3	22168	STF15J1FN110A6	87749	STF20J2FN230240A1	87661
STF2J1FN230240A2	87515	STF6J1FN1224DA2	22161	STF6J2FN110A1	22172	STF15J1FN230240A1	87758	STF20J2FN230240A2	87660
STF2J1FN230240A3	87518	STF6J1FN1224DA3	22162	STF6J2FN110A2	22173	STF15J1FN230240A2	87760	STF20J2FN230240A3	87663
STF2J1FN230240A4	87495	STF6J1FN1224DA5	22164	STF6J2FN110A3	22174	STF15J1FN230240A3	87759	STF20J2FN230240A4	87664
STF2J1FN230240A5	87520	STF6J1FN110A1	87543	STF6J2FN110A5	22176	STF15J1FN230240A4	87761	STF20J2FN230240A5	87657
STF2J1FN230240A6	87514	STF6J1FN110A2	87548	STF6J2FN230240A1	22178	STF15J1FN230240A5	87762	STF20J2FN230240A6	87662

STROBOFLASH AG 	STF 2J 1F AG
	STF 2J 2F AG
	STF 6J 1F AG
	STF 6J 2F AG
	STF 15J 1F AG *
	STF 20J 2F AG *
	(5) (7)

STF2J1FAG1224DA2	22221	STF6J1FAG1224DA4	22220	STF15J1FAG230240A3	87768
STF2J1FAG1224DA3	22222	STF6J1FAG1224DA5	22254	STF15J1FAG230240A4	87769
STF2J1FAG1224DA6	22225	STF6J1FAG110A5	87565	STF15J1FAG230240A5	87770
STF2J1FAG110A1	87561	STF6J1FAG230240A1	87591	STF15J1FAG230240A6	87771
STF2J1FAG110A2	87560	STF6J1FAG230240A2	87590	STF20J2FAG1224D1	87671
STF2J1FAG110A3	87563	STF6J1FAG230240A3	87593	STF20J2FAG1224D2	87670
STF2J1FAG110A4	87564	STF6J1FAG230240A4	87555	STF20J2FAG1224D3	87673
STF2J1FAG110A6	87562	STF6J1FAG230240A5	87597	STF20J2FAG1224D4	87674
STF2J1FAG230240A1	87572	STF6J1FAG230240A6	87592	STF20J2FAG1224D5	87669
STF2J1FAG230240A2	87570	STF6J2FAG1224DA2	22257	STF20J2FAG1224D6	87672
STF2J1FAG230240A3	87568	STF6J2FAG110A2	22263	STF20J2FAG110A1	87677
STF2J1FAG230240A4	87569	STF6J2FAG230240A2	22269	STF20J2FAG110A2	22293
STF2J1FAG230240A5	87566	STF15J1FAG1224D2	22281	STF20J2FAG110A3	87676
STF2J1FAG230240A6	87567	STF15J1FAG1224D3	22282	STF20J2FAG110A5	87675
STF2J2FAG1224DA2	22227	STF15J1FAG1224D5	22284	STF20J2FAG230240A1	87681
STF2J2FAG1224DA5	22230	STF15J1FAG1224D6	22285	STF20J2FAG230240A2	87680
STF2J2FAG110A2	22233	STF15J1FAG110A1	87717	STF20J2FAG230240A3	87683
STF2J2FAG110A5	22236	STF15J1FAG110A2	87757	STF20J2FAG230240A4	87684
STF2J2FAG230240A2	22239	STF15J1FAG110A5	87765	STF20J2FAG230240A5	87679
STF6J1FAG1224DA2	22251	STF15J1FAG230240A1	87766	STF20J2FAG230240A6	87682
STF6J1FAG1224DA3	22252	STF15J1FAG230240A2	87767		

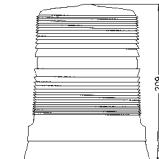
* 110-230-240 V con interruttore termico di protezione: in caso di surriscaldamento eccessivo viene interrotta l'alimentazione
 * 110-230-240 V with safety thermal switch: in case of excessive overheating the power supply is cut off
 * 110-230-240 V avec interrupteur thermique de protection : en cas de surchauffe excessive l'alimentation est coupée
 * 110-230-240 V mit Schutz-Wärmeschalter: im Fall einer Überhitzung wird die Versorgung unterbrochen
 * 110-230-240 V con interruptor térmico de protección: la alimentación se desconecta si el ítem se recalienta excesivamente

1F 	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	mA	500	440	80	42	43
	Cd (p)	1000	1200	2250	2750	3000

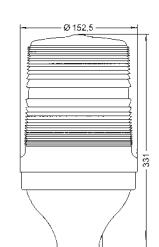
2F 	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	mA	470	400	95	36	37
	Cd (p)	700	900	900	550	600

1F 	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	A	1.2	1.3	0.35	0.21	0.22
	Cd (p)	3000	3000	2500	3150	3200

2F 	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	1000	1000	700	2000	2000



Kg. 1,5



Kg. 1,66



LUCI XENO

XENON FLASHING BEACONS / FEUX A ECLATS / BLITZLEUCHTEN / LUCES DE DESTELLOS

V 12÷24-110-230÷240 ($\pm 10\%$)	---	~ 50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 54	□	°C -30 +40	On ∞	1 2 3 4 5 6 PC



FAROLAMP XENO N FAROLAMP XENO P

FRX 2J 1F N

FRX 2J 2F N

FRX 6J 1F N

FRX 6J 2F N

⑨

FRX 2J 1F P

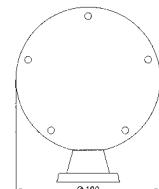
FRX 2J 2F P

FRX 6J 1F P

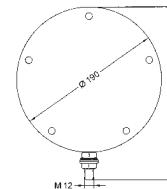
FRX 6J 2F P

⑩

1F XENON 2J LRX 2J	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	1800	2500	3000	4500	5000
2F XENON 2J LRX 2J	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	1250	1600	1500	1600	1700
1F XENON 6J LRX 6J	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	900	450	80	120	120
	Cd (p)	8000	8000	6000	11000	12300
2F XENON 6J LRX 6J	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	A	1.4	1.2	0.18	0.13	0.14
	Cd (p)	1900	2000	1200	2000	2200



Kg. 0,96



Kg. 0,72

FRX2J1FN1224DA2	21891	FRX2J1FN230240A6	85138	FRX6J1FN110A2	85373	FRX6J2FN110A2	21963	FRX2J1FP230240A2	84981	FRX6J1FP110A2	84984
FRX2J1FN1224DA3	21892	FRX2J1FN1224DA2	21897	FRX6J1FN110A3	85031	FRX6J2FN110A3	21964	FRX2J1FP230240A3	85284	FRX6J1FP110A3	85144
FRX2J1FN1224DA5	21894	FRX2J2FN1224DA3	21898	FRX6J1FN110A5	85032	FRX6J2FN230240A2	21969	FRX2J1FP230240A4	85358	FRX6J1FP230240A1	84980
FRX2J1FN110A2	84952	FRX2J2FN110A2	21903	FRX6J1FN110A34	85042	FRX6J2FN230240A3	21970	FRX2J1FP230240A5	84948	FRX6J1FP230240A2	84979
FRX2J1FN110A3	85252	FRX2J2FN230240A2	21909	FRX6J1FN230240A1	85051	FRX2J2FP1224DA1	21920	FRX2J2FP1224DA2	21927	FRX6J1FP230240A3	84982
FRX2J1FN110A4	85352	FRX2J2FN230240A3	21910	FRX6J1FN230240A2	84971	FRX2J2FP1224DA2	21921	FRX2J2FP110A2	21933	FRX6J1FP230240A5	84995
FRX2J1FN110A5	85255	FRX2J2FN230240A5	21912	FRX6J1FN230240A3	85271	FRX2J2FP1224DA3	21922	FRX2J2FP110A3	21934	FRX6J1FP230240A6	85148
FRX2J1FN110A6	85137	FRX6J1FN1224DA1	84969	FRX6J1FN230240A4	85371	FRX2J2FP1224DA4	21923	FRX2J2FP230240A2	21939	FRX6J1FP230240A26	84983
FRX2J1FN230240A1	85038	FRX6J1FN1224DA2	84970	FRX6J1FN230240A5	84992	FRX2J2FP1224DA5	21924	FRX2J2FP230240A3	21940	FRX6J1FP230240A23	85055
FRX2J1FN230240A2	84953	FRX6J1FN1224DA3	85044	FRX6J1FN230240A6	85151	FRX2J1FP110A1	84944	FRX6J1FP1224DA2	84978	FRX6J2FP1224DA3	21987
FRX2J1FN230240A3	85253	FRX6J1FN1224DA4	85370	FRX6J1FN230240A21	85043	FRX2J1FP110A2	84943	FRX6J1FP1224DA3	85033	FRX6J2FP1224DA3	21988
FRX2J1FN230240A4	85353	FRX6J1FN1224DA5	84968	FRX6J2FN1224DA2	21957	FRX2J1FP110A3	85348	FRX6J1FP1224DA5	85037	FRX6J2FP230240A2	21999
FRX2J1FN230240A5	85356	FRX6J1FN1224DA6	85150	FRX6J2FN1224DA3	21958	FRX2J1FP110A6	84947	FRX6J1FP1224DA6	84977	FRX6J2FP230240A3	22000

V 12-24-110-230÷240 ($\pm 10\%$)	---	~ 50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 54	°C -30 +40	On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE



BLINDO FLATFLASH

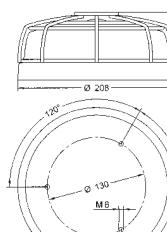
BD FTF 2J 1F

BD FTF 2J 2F

BD FTF 6J 1F

⑯ ⑰

1F XENON 2J LRX 2J	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	1800	2500	3000	4500	5000
2F XENON 2J LRX 2J	V ---	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	1250	1600	1500	1600	1700
1F XENON 6J LRX 6J	V ---	12	24	-	-	-
	V ~	-	-	110	230÷240	
	mA	900	450	80	120	120
	Cd (p)	8000	8000	6000	11000	12300



Kg. 1,1

BDFTF2J1F1224DA2	22407	BDFTF2J1F230240A1	86226	BDFTF2J2F230240A2	22425	BDFTF6J1F24D2	86215	BDFTF6J1F230240A1	86241
BDFTF2J1F1224DA3	22408	BDFTF2J1F230240A2	86225	BDFTF6J1F12D1	86206	BDFTF6J1F24D3	86218	BDFTF6J1F230240A2	86230
BDFTF2J1F1224DA5	22410	BDFTF2J1F230240A3	86228	BDFTF6J1F12D2	86205	BDFTF6J1F24D4	86219	BDFTF6J1F230240A3	86233
BDFTF2J1F1224DA6	22411	BDFTF2J1F230240A5	86247	BDFTF6J1F12D3	86208	BDFTF6J1F24D5	86245	BDFTF6J1F230240A4	86234
BDFTF2J1F110A1	86221	BDFTF2J1F230240A6	86227	BDFTF6J1F12D4	86209	BDFTF6J1F24D6	86217	BDFTF6J1F230240A5	86231
BDFTF2J1F110A3	86223	BDFTF2J2F1224DA2	22413	BDFTF6J1F12D5	86195	BDFTF6J1F110A2	86199	BDFTF6J1F230240A6	86229
BDFTF2J1F110A4	86224	BDFTF2J2F1224DA3	22414	BDFTF6J1F12D6	86207	BDFTF6J1F110A3	86198		
BDFTF2J1F110A6	86222	BDFTF2J2F110A2	22419	BDFTF6J1F24D1	86216	BDFTF6J1F110A5	86196		

V	12÷24-110-230÷240 ($\pm 10\%$)	---	~	50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10	
IP 54	°C -30 +40	On ∞	M 12		1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

**BLINDO FLASH**

BD F 2J 1F
BD F 2J 2F
BD F 6J 1F
BD F 6J 2F

(2) (17)

2F	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	1500	2000	980	2000	2250

XENON 6J	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	A	1.2	1.3	0.35	0.21	0.22
	Cd (p)	3000	4000	2000	4500	5000

BDF2J1F1224DA2	22347	BDF2J1F110A5	86197	BDF2J1F230240A6	86131	BDF6J1F1224DA6	22381	BDF6J1F230240A1	86135	BDF6J2F110A2	22389
BDF2J1F1224DA3	22348	BDF2J1F110A6	86121	BDF2J2F1224DA2	22353	BDF6J1F110A1	86126	BDF6J1F230240A2	86134	BDF6J2F230240A2	22395
BDF2J1F1224DA5	22350	BDF2J1F230240A1	86130	BDF2J2F110A2	22359	BDF6J1F110A2	86125	BDF6J1F230240A3	86137	BDF6J2F230240A3	22396
BDF2J1F110A1	86120	BDF2J1F230240A2	86129	BDF2J2F230240A2	22365	BDF6J1F110A3	86128	BDF6J1F230240A4	86138		
BDF2J1F110A2	86119	BDF2J1F230240A3	86132	BDF6J1F1224DA2	22377	BDF6J1F110A4	86161	BDF6J1F230240A5	86149		
BDF2J1F110A3	86122	BDF2J1F230240A4	86133	BDF6J1F1224DA3	22378	BDF6J1F110A5	86123	BDF6J1F230240A6	86136		
BDF2J1F110A4	86124	BDF2J1F230240A5	86155	BDF6J1F1224DA5	22380	BDF6J1F110A6	86127	BDF6J2F1224DA2	22383		

V	12÷24-110-230÷240 ($\pm 10\%$)	---	~	50/60 Hz	J 2-6-15-20	Flash/min. 1F: 65±10 - 2F: 2x65±10	
IP 65	°C -30 +40	On ∞		1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE		



(2) (5) (17)

BLINDO STROBOFLASH AL N

BD STF AL 2J 1F N **BD STF AL 6J 2F N**
BD STF AL 2J 2F N **BD STF AL 15J 1F N**
BD STF AL 6J 1F N **BD STF AL 20J 2F N**

**BLINDO STROBOFLASH AL AG**

BD STF AL 2J 1F AG **BD STF AL 6J 2F AG**
BD STF AL 2J 2F AG **BD STF AL 15J 1F AG**
BD STF AL 6J 1F AG **BD STF AL 20J 2F AG**

BDSTFAL2J1FN1224DA2	22467	BDSTFAL2J1FN1224DA3	22468	BDSTFAL2J1FN1224DA5	22470	BDSTFAL2J1FN110A2	86917	BDSTFAL2J1FN230240A2	86902	BDSTFAL2J1FN230240A3	86926
BDSTFAL2J1FN110A1	86918	BDSTFAL2J1FN230240A4	86903	BDSTFAL2J1FN230240A5	86927	BDSTFAL2J1FN1224DA2	22473	BDSTFAL2J1FN1224DA3	22479	BDSTFAL2J1FN1224DA4	22485
BDSTFAL2J1FN110A2	86919	BDSTFAL2J1FN230240A6	86904	BDSTFAL2J1FN230240A7	86928	BDSTFAL2J1FN1224DA5	22486	BDSTFAL2J1FN1224DA6	22497	BDSTFAL6J1FN1224DA2	22497
BDSTFAL2J1FN110A3	86920	BDSTFAL2J1FN230240A8	86905	BDSTFAL2J1FN230240A9	86930	BDSTFAL2J1FN1224DA7	22498	BDSTFAL6J1FN1224DA3	22498	BDSTFAL6J1FN1224DA4	22499
BDSTFAL2J1FN110A4	86921	BDSTFAL2J1FN230240A0	86906	BDSTFAL2J1FN230240A1	86931	BDSTFAL2J1FN1224DA8	22500	BDSTFAL6J1FN1224DA5	22503	BDSTFAL6J1FN1224DA6	22506
BDSTFAL2J1FN110A5	86922	BDSTFAL2J1FN230240A2	86907	BDSTFAL2J1FN230240A3	86932	BDSTFAL2J1FN1224DA9	22507	BDSTFAL6J1FN1224DA7	22509	BDSTFAL6J1FN1224DA8	22512
BDSTFAL2J1FN110A6	86923	BDSTFAL2J1FN230240A4	86908	BDSTFAL2J1FN230240A5	86933	BDSTFAL2J1FN1224DA0	22513	BDSTFAL6J1FN1224DA9	22515	BDSTFAL6J1FN1224DA10	22518
BDSTFAL2J1FN110A7	86924	BDSTFAL2J1FN230240A6	86909	BDSTFAL2J1FN230240A7	86934	BDSTFAL2J1FN1224DA1	22519	BDSTFAL6J1FN1224DA1	22521	BDSTFAL6J1FN1224DA12	22524
BDSTFAL2J1FN110A8	86925	BDSTFAL2J1FN230240A8	86910	BDSTFAL2J1FN230240A9	86935	BDSTFAL2J1FN1224DA2	22520	BDSTFAL6J1FN1224DA2	22522	BDSTFAL6J1FN1224DA13	22525
BDSTFAL2J1FN110A9	86926	BDSTFAL2J1FN230240A0	86911	BDSTFAL2J1FN230240A1	86936	BDSTFAL2J1FN1224DA3	22521	BDSTFAL6J1FN1224DA3	22523	BDSTFAL6J1FN1224DA14	22526
BDSTFAL2J1FN110A10	86927	BDSTFAL2J1FN230240A2	86912	BDSTFAL2J1FN230240A3	86937	BDSTFAL2J1FN1224DA4	22522	BDSTFAL6J1FN1224DA4	22524	BDSTFAL6J1FN1224DA15	22527
BDSTFAL2J1FN110A11	86928	BDSTFAL2J1FN230240A4	86913	BDSTFAL2J1FN230240A5	86938	BDSTFAL2J1FN1224DA5	22523	BDSTFAL6J1FN1224DA5	22525	BDSTFAL6J1FN1224DA16	22528
BDSTFAL2J1FN110A12	86929	BDSTFAL2J1FN230240A6	86914	BDSTFAL2J1FN230240A7	86939	BDSTFAL2J1FN1224DA6	22524	BDSTFAL6J1FN1224DA6	22526	BDSTFAL6J1FN1224DA17	22529
BDSTFAL2J1FN110A13	86930	BDSTFAL2J1FN230240A8	86915	BDSTFAL2J1FN230240A9	86940	BDSTFAL2J1FN1224DA7	22525	BDSTFAL6J1FN1224DA7	22527	BDSTFAL6J1FN1224DA18	22530
BDSTFAL2J1FN110A14	86931	BDSTFAL2J1FN230240A0	86916	BDSTFAL2J1FN230240A1	86941	BDSTFAL2J1FN1224DA8	22526	BDSTFAL6J1FN1224DA8	22528	BDSTFAL6J1FN1224DA19	22531
BDSTFAL2J1FN110A15	86932	BDSTFAL2J1FN230240A2	86917	BDSTFAL2J1FN230240A3	86942	BDSTFAL2J1FN1224DA9	22527	BDSTFAL6J1FN1224DA9	22529	BDSTFAL6J1FN1224DA20	22532
BDSTFAL2J1FN110A16	86933	BDSTFAL2J1FN230240A4	86918	BDSTFAL2J1FN230240A5	86943	BDSTFAL2J1FN1224DA0	22528	BDSTFAL6J1FN1224DA0	22530	BDSTFAL6J1FN1224DA21	22533
BDSTFAL2J1FN110A17	86934	BDSTFAL2J1FN230240A6	86919	BDSTFAL2J1FN230240A7	86944	BDSTFAL2J1FN1224DA1	22529	BDSTFAL6J1FN1224DA1	22531	BDSTFAL6J1FN1224DA22	22534
BDSTFAL2J1FN110A18	86935	BDSTFAL2J1FN230240A8	86920	BDSTFAL2J1FN230240A9	86945	BDSTFAL2J1FN1224DA2	22530	BDSTFAL6J1FN1224DA2	22532	BDSTFAL6J1FN1224DA23	22535
BDSTFAL2J1FN110A19	86936	BDSTFAL2J1FN230240A0	86921	BDSTFAL2J1FN230240A1	86946	BDSTFAL2J1FN1224DA3	22531	BDSTFAL6J1FN1224DA3	22533	BDSTFAL6J1FN1224DA24	22536
BDSTFAL2J1FN110A20	86937	BDSTFAL2J1FN230240A2	86922	BDSTFAL2J1FN230240A3	86947	BDSTFAL2J1FN1224DA4	22532	BDSTFAL6J1FN1224DA4	22534	BDSTFAL6J1FN1224DA25	22537
BDSTFAL2J1FN110A21	86938	BDSTFAL2J1FN230240A4	86923	BDSTFAL2J1FN230240A5	86948	BDSTFAL2J1FN1224DA5	22533	BDSTFAL6J1FN1224DA5	22535	BDSTFAL6J1FN1224DA26	22538
BDSTFAL2J1FN110A22	86939	BDSTFAL2J1FN230240A6	86924	BDSTFAL2J1FN230240A7	86949	BDSTFAL2J1FN1224DA6	22534	BDSTFAL6J1FN1224DA6	22536	BDSTFAL6J1FN1224DA27	22539
BDSTFAL2J1FN110A23	86940	BDSTFAL2J1FN230240A8	86925	BDSTFAL2J1FN230240A9	86950	BDSTFAL2J1FN1224DA7	22535	BDSTFAL6J1FN1224DA7	22537	BDSTFAL6J1FN1224DA28	22540
BDSTFAL2J1FN110A24	86941	BDSTFAL2J1FN230240A0	86926	BDSTFAL2J1FN230240A1	86951	BDSTFAL2J1FN1224DA8	22536	BDSTFAL6J1FN1224DA8	22538	BDSTFAL6J1FN1224DA29	22541
BDSTFAL2J1FN110A25	86942	BDSTFAL2J1FN230240A2	86927	BDSTFAL2J1FN230240A3	86952	BDSTFAL2J1FN1224DA9	22537	BDSTFAL6J1FN1224DA9	22539	BDSTFAL6J1FN1224DA30	22542
BDSTFAL2J1FN110A26	86943	BDSTFAL2J1FN230240A4	86928	BDSTFAL2J1FN230240A5	86953	BDSTFAL2J1FN1224DA0	22538	BDSTFAL6J1FN1224DA0	22540	BDSTFAL6J1FN1224DA31	22543
BDSTFAL2J1FN110A27	86944	BDSTFAL2J1FN230240A6	86929	BDSTFAL2J1FN230240A7	86954	BDSTFAL2J1FN1224DA1	22539	BDSTFAL6J1FN1224DA1	22541	BDSTFAL6J1FN1224DA32	22544
BDSTFAL2J1FN110A28	86945	BDSTFAL2J1FN230240A8	86930	BDSTFAL2J1FN230240A9	86955	BDSTFAL2J1FN1224DA2	22540	BDSTFAL6J1FN1224DA2	22542	BDSTFAL6J1FN1224DA33	22545
BDSTFAL2J1FN110A29	86946	BDSTFAL2J1FN230240A0	86931	BDSTFAL2J1FN230240A1	86956	BDSTFAL2J1FN1224DA3	22541	BDSTFAL6J1FN1224DA3	22543	BDSTFAL6J1FN1224DA34	22546
BDSTFAL2J1FN110A30	86947	BDSTFAL2J1FN230240A2	86932	BDSTFAL2J1FN230240A3	86957	BDSTFAL2J1FN1224DA4	22542	BDSTFAL6J1FN1224DA4	22544	BDSTFAL6J1FN1224DA35	22547
BDSTFAL2J1FN110A31	86948	BDSTFAL2J1FN230240A4	86933	BDSTFAL2J1FN230240A5	86958	BDSTFAL2J1FN1224DA5	22543	BDSTFAL6J1FN1224DA5	22545	BDSTFAL6J1FN1224DA36	22548
BDSTFAL2J1FN110A32	86949	BDSTFAL2J1FN230240A6	86934	BDSTFAL2J1FN230240A7	86959	BDSTFAL2J1FN1224DA6	22544	BDSTFAL6J1FN1224DA6	22546	BDSTFAL6J1FN1224DA37	22549
BDSTFAL2J1FN110A33	86950	BDSTFAL2J1FN230240A8	86935	BDSTFAL2J1FN230240A9	86960	BDSTFAL2J1FN1224DA7	22545	BDSTFAL6J1FN1224DA7	22547	BDSTFAL6J1FN1224DA38	22550
BDSTFAL2J1FN110A34	86951	BDSTFAL2J1FN230240A0	86936	BDSTFAL2J1FN230240A1	86961	BDSTFAL2J1FN1224DA8	22546	BDSTFAL6J1FN1224DA8	22548	BDSTFAL6J	



LUCI XENO

XENON FLASHING BEACONS / FEUX A ECLATS / BLITZLEUCHTEN / LUCES DE DESTELLOS

V 12÷24-110-230÷240 ($\pm 10\%$)	---	~ 50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 67	°C -30 +40	On ∞		1 2 3 4 5 6 PC

SEGNALATORE STAGNO - WATERPROOF BEACON - FEU ETANCHE - WASSERDICHTE LEUCHTE - LUZ ESTANCA



LAMPALLARM XENOFRESNEL STAGNO

ST LA XFR 2J 1F
ST LA XFR 2J 2F
ST LA XFR 6J 1F
ST LA XFR 6J 2F

⑩
INOX
STAINLESS STEEL
INOX
EDELSTAHL
INOX

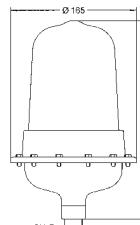
2F	V ---	12÷24		-	-	-
	V ~	110	230÷240			
XENON 6J LRX 6J	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	1500 500	2000 1000	980 600	2000 800	2250 1000

1F	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	mA	500	440	80	42	43
	Cd (p)	500	700	1100	1200	1250

2F	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	mA	470	400	95	36	37
	Cd (p)	300 250	400 300	600 500	350 250	400 300

1F	V ---	12÷24		-	-	-
	V ~	110	230÷240			
	A	1.2	1.3	0.35	0.21	0.22
	Cd (p)	3000	4000	2000	4500	5000

STLAXFR2J1F1224DA2	22035	STLAXFR2J2F1224DA2	22041	STLAXFR6J1F110A2	91528	STLAXFR6J1F230240A6	91519
STLAXFR2J1F110A2	91525	STLAXFR2J2F110A2	22047	STLAXFR6J1F230240A1	91527	STLAXFR6J2F1224DA1	22070
STLAXFR2J1F230240A2	91514	STLAXFR2J2F230240A2	22053	STLAXFR6J1F230240A2	91517	STLAXFR6J2F1224DA2	22071
STLAXFR2J1F230240A3	91526	STLAXFR6J1F1224DA2	22065	STLAXFR6J1F230240A3	91524	STLAXFR6J2F1224DA3	22072
STLAXFR2J1F230240A5	91530	STLAXFR6J1F1224DA3	22066	STLAXFR6J1F230240A4	91523	STLAXFR6J2F110A2	22077
STLAXFR2J1F230240A6	91529	STLAXFR6J1F1224DA5	22068	STLAXFR6J1F230240A5	91520	STLAXFR6J2F230240A2	22083



Kg. 1,53

V12 (14.5)	Tensione di ricarica		---	Flash/min. 1F: 65±10	IP 54	°C -10 +40
	Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga					
(Batt.: 12 V - 7 Ah)				1 2 3 4 5 6 PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

LUCI AUTOALIMENTATE

BATTERY OPERATED BEACONS - FEUX AUTO-ALIMENTÉS
LEUCHTEN MIT EIGENVERSORGUNG - LUCES AUTOALIMENTADAS



BLINDOFLASH A

A BDF 2J
A BDF 6J

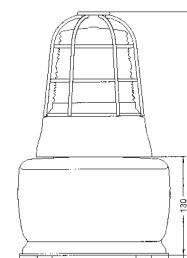
⑥



ABDF2J12D1	89602	ABDF2J12D5	89603	ABDF6J12D5	89607
ABDF2J12D2	89600	ABDF6J12D2	89606		
ABDF2J12D3	89601	ABDF6J12D3	89604		

XENON 2J LRX 2J	V ---	12	
	A	0.5	
	Cd (p)	700	
	On: 9 h		

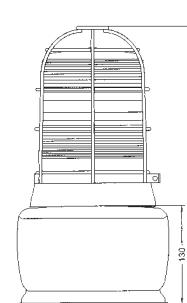
XENON 6J LRX 6J	V ---	12	
	A	1	
	Cd (p)	2600	
	On: 7 h		



Kg. 2,37

STROBOFLASH A	V ---	12	
	A	1	
	Cd (p)	3000	
	On: 7 h		

XENON 6J LRX 6J	V ---	12	
	A	1	
	Cd (p)	3000	
	On: 7 h		



Kg. 2,77



DISPOSITIVI DI SEGNALAZIONE ACUSTICO/LUMINOSA

DOUBLE WARNING SIGNALS - AUDIBLE/VISUAL / DISPOSITIFS DE SIGNALISATION ACOUSTIQUE/LUMINEUSE / SIGNALGERÄTE MIT AKUSTISCHEM- UND OPTISCHEN SIGNAL / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA

V 12-24-48-110-230-240 ($\pm 10\%$)	\equiv	\sim 50/60 Hz	Flash/min. 0-130±20	IP 30	<input type="checkbox"/>
---	°C -30 +50	On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

LUCE LAMPEGGIANTE (E FISSA) - SUONO INTERMITTENTE (E CONTINUO)

FLASHING (AND CONTINUOUS) LIGHT – INTERMITTENT (AND CONTINUOUS) SOUND

LUMIERE CLIGNOTANTE (ET FIXE) – SON INTERMITTENT (ET CONTINUO)

BLINK- (UND DAUER-) LICHT – AUSSETZENDE (UND DAUERE) TONFOLGE

LUZ INTERMITENTE (Y FIJA) – SONIDO INTERMITENTE (Y CONTINUO)



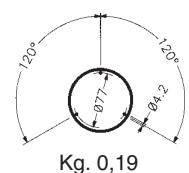
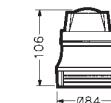
MICROLAMP A FCL

ML A FCL

(13)

	V \equiv	12	24	48	-	-	-
	V \sim	110	230	240			
mA	420	215	105	45	21	20	
Cd (p)	25	18	8	3	2	2	
dB(A)1m	75	75	75	75	75	75	75
Hz 2700	---	F/m 130	---	F/m 0			

MLAFCL12DA1	79721	MLAFCL24DA4	79734	MLAFCL110A1	79751	MLAFCL230A4	79764
MLAFCL12DA2	79722	MLAFCL24DA5	79735	MLAFCL110A2	79752	MLAFCL230A5	79765
MLAFCL12DA3	79723	MLAFCL24DA6	79736	MLAFCL110A3	79753	MLAFCL230A6	79766
MLAFCL12DA4	79724	MLAFCL48DA1	79741	MLAFCL110A4	79754	MLAFCL240A1	79771
MLAFCL12DA5	79725	MLAFCL48DA2	79742	MLAFCL110A5	79755	MLAFCL240A2	79772
MLAFCL12DA6	79726	MLAFCL48DA3	79743	MLAFCL110A6	79756	MLAFCL240A3	79773
MLAFCL24DA1	79731	MLAFCL48DA4	79744	MLAFCL230A1	79761	MLAFCL240A4	79774
MLAFCL24DA2	79732	MLAFCL48DA5	79745	MLAFCL230A2	79762	MLAFCL240A5	79775
MLAFCL24DA3	79733	MLAFCL48DA6	79746	MLAFCL230A3	79763	MLAFCL240A6	79776



V 12÷24-110-230÷240 ($\pm 10\%$)	\equiv	\sim 50/60 Hz	J 1	Flash/min. 1F: 65±10 - 2F: 2x65±10	
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IP 30	<input type="checkbox"/>	---	°C -30 +40	On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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LUCE A FLASH - SUONO INTERMITTENTE

XENON FLASHING LIGHT – INTERMITTENT SOUND

LUMIERE A ECLATS – SON INTERMITTENT

BLITZLICHT – AUSSETZENDE TONFOLGE

LUZ DE DESTELLOS – SONIDO INTERMITENTE



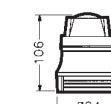
MICROXENOLAMP A

MXL A 1J 1F

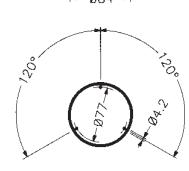
(13)

1F	V \equiv	12÷24		-	-	-
	V \sim	110	230÷240			
mA	205	165	50	45	50	
Cd (p)	350	450	350	750	850	
dB(A)1m	80	80	80	80	80	80
Hz 3000±500	---	F/m 65				

MXLA1F1224DA2	91661	MXLA1F110A3	91674
MXLA1F1224DA3	91662	MXLA1F110A5	91676
MXLA1F1224DA4	91663	MXLA1F230240A2	91679
MXLA1F1224DA5	91664	MXLA1F230240A3	91680
MXLA1F1224DA6	91665	MXLA1F230240A4	91681
MXLA1F110A2	91673	MXLA1F230240A5	91682



Kg. 0,19



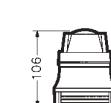
MICROXENOLAMP A

MXL A 1J 2F

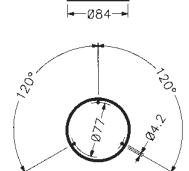
(13)

2F	V \equiv	12÷24		-	-	-
	V \sim	110	230÷240			
mA	205	165	75	65	70	
Cd (p)	350	450	350	750	850	
300	300	200	600	700		
dB(A)1m	80	80	80	80	80	80
Hz 3000±500	---	F/m 65				

MXLA2F1224DA1	91690	MXLA2F110A5	91706
MXLA2F1224DA2	91691	MXLA2F230240A1	91714
MXLA2F1224DA3	91692	MXLA2F230240A2	91709
MXLA2F1224DA4	91693	MXLA2F230240A3	91710
MXLA2F1224DA5	91694	MXLA2F230240A4	91717
MXLA2F1224DA6	91695	MXLA2F230240A5	91712
MXLA2F110A2	91703	MXLA2F230240A6	91719
MXLA2F110A3	91704		



Kg. 0,19



Versione nera disponibile a richiesta / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición



DISPOSITIVI DI SEGNALAZIONE ACUSTICO/LUMINOSA

DOUBLE WARNING SIGNALS – AUDIBLE/VISUAL / DISPOSITIFS DE SIGNALISATION ACOUSTIQUE/LUMINEUSE / SIGNALGERÄTE MIT AKUSTISCHEM- UND OPTISCHEM SIGNAL / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA

V 12-24-48-110-230-240 ($\pm 10\%$)	---	~ 50/60 Hz	Flash/min. 110±20-0	IP 30	
	°C -30 +50	On		1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE

LUCE LAMPEGGIANTE (E FISSA) - SUONO INTERMITTENTE (E CONTINUO)

FLASHING (AND CONTINUOUS) LIGHT – INTERMITTENT (AND CONTINUOUS) SOUND

LUMIERE CLIGNOTANTE (ET FIXE) – SON INTERMITTENT (ET CONTINU)

BLINK- (UND DAUER-) LICHT – AUSSSETZENDE (UND DAUERE) TONFOLGE

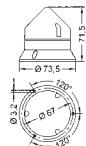
LUZ INTERMITENTE (Y FIJA) – SONIDO INTERMITENTE (Y CONTINUO)



CTL A 600 FCL
CTL A 600 FCL

⑧

	V	12	24	48	-	-	-
	V	110	230	240			
mA	430	220	110	50	25	25	
Cd (p)	30	30	10	3	3	3	
dB(A)1m	65	65	65	65	65	65	
Ba 15d 5W	Hz 3600	--- F/m 110	— F/m 0				
LR Ba 15d 5W							



Kg. 0,075

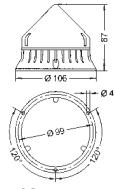
CTLA600FCL12DA1	33651	CTLA600FCL24DA1	33661	CTLA600FCL48DA1	33671	CTLA600FCL110A1	33681	CTLA600FCL230A1	33691	CTLA600FCL240A1	33701
CTLA600FCL12DA2	33652	CTLA600FCL24DA2	33662	CTLA600FCL48DA2	33672	CTLA600FCL110A2	33682	CTLA600FCL230A2	33692	CTLA600FCL240A2	33702
CTLA600FCL12DA3	33653	CTLA600FCL24DA3	33663	CTLA600FCL48DA3	33673	CTLA600FCL110A3	33683	CTLA600FCL230A3	33693	CTLA600FCL240A3	33703
CTLA600FCL12DA4	33654	CTLA600FCL24DA4	33664	CTLA600FCL48DA4	33674	CTLA600FCL110A4	33684	CTLA600FCL230A4	33694	CTLA600FCL240A4	33704
CTLA600FCL12DA5	33655	CTLA600FCL24DA5	33665	CTLA600FCL48DA5	33675	CTLA600FCL110A5	33685	CTLA600FCL230A5	33695	CTLA600FCL240A5	33705
CTLA600FCL12DA6	33656	CTLA600FCL24DA6	33666	CTLA600FCL48DA6	33676	CTLA600FCL110A6	33686	CTLA600FCL230A6	33696	CTLA600FCL240A6	33706



CTL A 900 FCL
CTL A 900 FCL

⑧

	V	12	24	48	-	-	-
	V	110	230	240			
mA	850	440	210	90	45	43	
Cd (p)	160	150	140	20	30	30	
dB(A)1m	72	72	72	72	72	72	
Ba 15d 10W	Hz 2700	--- F/m 110	— F/m 0				
LR Ba 15d 10W							



Kg. 0,16

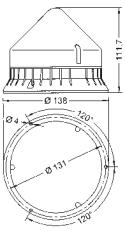
CTLA900FCL12DA1	33711	CTLA900FCL24DA1	33721	CTLA900FCL48DA1	33731	CTLA900FCL110A1	33741	CTLA900FCL230A1	33751	CTLA900FCL240A1	33761
CTLA900FCL12DA2	33712	CTLA900FCL24DA2	33722	CTLA900FCL48DA2	33732	CTLA900FCL110A2	33742	CTLA900FCL230A2	33752	CTLA900FCL240A2	33762
CTLA900FCL12DA3	33713	CTLA900FCL24DA3	33723	CTLA900FCL48DA3	33733	CTLA900FCL110A3	33743	CTLA900FCL230A3	33753	CTLA900FCL240A3	33763
CTLA900FCL12DA4	33714	CTLA900FCL24DA4	33724	CTLA900FCL48DA4	33734	CTLA900FCL110A4	33744	CTLA900FCL230A4	33754	CTLA900FCL240A4	33764
CTLA900FCL12DA5	33715	CTLA900FCL24DA5	33725	CTLA900FCL48DA5	33735	CTLA900FCL110A5	33745	CTLA900FCL230A5	33755	CTLA900FCL240A5	33765
CTLA900FCL12DA6	33716	CTLA900FCL24DA6	33726	CTLA900FCL48DA6	33736	CTLA900FCL110A6	33746	CTLA900FCL230A6	33756	CTLA900FCL240A6	33766



CTL A 1200 FCL
CTL A 1200 FCL

⑧

	V	12	24	48	-	-	-
	V	110	230	240			
A	2.2	1.06	0.52	0.22	0.10	0.10	
Cd (p)	450	500	500	50	80	80	
dB(A)1m	85	85	85	85	85	85	
Ba 15d 25W	Hz 3600	--- F/m 110	— F/m 0				
LR Ba 15d 25W							



Kg. 0,29

CTLA1200FCL12DA1	33771	CTLA1200FCL24DA3	33783	CTLA1200FCL48DA5	33795	CTLA1200FCL110A1	33811	CTLA1200FCL230A1	33823
CTLA1200FCL12DA2	33772	CTLA1200FCL24DA4	33784	CTLA1200FCL48DA6	33796	CTLA1200FCL110A2	33812	CTLA1200FCL230A2	33824
CTLA1200FCL12DA3	33773	CTLA1200FCL24DA5	33785	CTLA1200FCL48DA7	33797	CTLA1200FCL110A3	33813	CTLA1200FCL230A3	33825
CTLA1200FCL12DA4	33774	CTLA1200FCL24DA6	33786	CTLA1200FCL48DA8	33798	CTLA1200FCL110A4	33814	CTLA1200FCL230A4	33826
CTLA1200FCL12DA5	33775	CTLA1200FCL24DA7	33787	CTLA1200FCL48DA9	33799	CTLA1200FCL110A5	33803	CTLA1200FCL230A5	33815
CTLA1200FCL12DA6	33776	CTLA1200FCL24DA8	33788	CTLA1200FCL48DA10	33800	CTLA1200FCL110A6	33804	CTLA1200FCL230A6	33816
CTLA1200FCL24DA1	33781	CTLA1200FCL24DA3	33793	CTLA1200FCL48DA5	33805	CTLA1200FCL110A1	33821	CTLA1200FCL240A1	33822
CTLA1200FCL24DA2	33782	CTLA1200FCL24DA4	33794	CTLA1200FCL48DA6	33806	CTLA1200FCL110A2	33822	CTLA1200FCL240A2	33822

Versione nera disponibile a richiesta / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición



DISPOSITIVI DI SEGNALAZIONE ACUSTICO/LUMINOSA

DOUBLE WARNING SIGNALS - AUDIBLE/VISUAL / DISPOSITIFS DE SIGNALISATION ACOUSTIQUE/LUMINEUSE / SIGNALGERÄTE MIT AKUSTISCHEM- UND OPTISCHEN SIGNAL / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA

V	12÷24-110-230÷240 ($\pm 10\%$)	---	~	50/60 Hz	J	2-6	Flash/min.	1F: 65±10 - 2F: 2x65±10
IP	30			°C	-10 +40	On		1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE

LUCE A FLASH - SUONO INTERMITTENTE

XENON FLASHING LIGHT – INTERMITTENT SOUND

LUMIERE A ECLATS – SON INTERMITTENT

BLITZLICHT – AUSETZENDE TONFOLGE

LUZ DE DESTELLOS – SONIDO INTERMITENTE



CTL XA 900

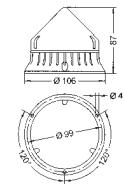
CTL XA 900 1J 1F

CTL XA 900 1J 2F

(8)

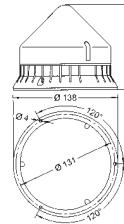
CTLXA9001J1F1224DA2	27567	CTLXA9001J1F230240A1	27139
CTLXA9001J1F1224DA3	27568	CTLXA9001J1F230240A2	27140
CTLXA9001J1F1224DA4	27569	CTLXA9001J1F230240A3	27141
CTLXA9001J1F1224DA5	27570	CTLXA9001J1F230240A4	27142
CTLXA9001J1F1224DA6	27571	CTLXA9001J1F230240A5	27143
CTLXA9001J1F110A1	27133	CTLXA9001J1F230240A6	27144
CTLXA9001J1F110A2	27134	CTLXA9001J2F1224DA3	27601
CTLXA9001J1F110A3	27135	CTLXA9001J2F1224DA6	27604
CTLXA9001J1F110A4	27136	CTLXA9001J2F230240A2	27612
CTLXA9001J1F110A5	27137	CTLXA9001J2F230240A5	27615
CTLXA9001J1F110A6	27138		

XENON 1J LRX 1J	V	---	12÷24		-	-	-
	V	~	12÷24		110	230÷240	
	mA	155	85		50	50	50
	Cd (p)	2000	2000		1000	1000	1000
	dB(A)1m	72	72		72	72	72
	Hz 3800		F/m 65				



Kg. 0,18

XENON 1J LRX 1J	V	---	12÷24		-	-	-
	V	~	12÷24		110	230÷240	
	mA	305	255		55	65	70
	Cd (p)	1500	1650		700	700	700
		500	600		300	300	300
	dB(A)1m	72	72		72	72	72
Hz 3800		F/m 65					



Kg. 0,32



CTL XA 1200

CTLXA12002J1F

CTLXA12002J2F

CTLXA12006J1F

CTLXA12006J2F

(8)

XENON 2J LRX 2J	V	---	12÷24		-	-	-
	V	~	12÷24		110	230÷240	
	mA	505	445		85	47	48
	Cd (p)	2500	2750		1750	2000	2200
	dB(A)1m	75	75		72	68	68
	Hz 3700		F/m 65				

XENON 6J LRX 6J	V	---	12÷24		-	-	-
	V	~	12÷24		110	230÷240	
	A	1.2	1.3		0.35	0.21	0.22
	Cd (p)	4800	4800		3200	4800	5100
	dB(A)1m	80	80		75	72	72
	Hz 3700		F/m 65				

XENON 2J LRX 2J	V	---	12÷24		-	-	-
	V	~	12÷24		110	230÷240	
	mA	470	400		100	40	42
	Cd (p)	800	950		1200	1150	1200
		500	750		950	700	700
	dB(A)1m	75	75		72	68	68
Hz 3700		F/m 65					

XENON 6J LRX 6J	V	---	12÷24		-	-	-
	V	~	12÷24		110	230÷240	
	mA	1.1	1.3		0.25	0.20	0.21
	Cd (p)	1750	1750		2000	2600	2850
		1400	1400		1000	1600	1900
	dB(A)1m	80	80		75	72	72
Hz 3700		F/m 65					

CTLXA12002J1F1224DA1	27456	CTLXA12002J2F1224DA3	27506	CTLXA12006J1F1224DA3	27482	CTLXA12006J2F1224DA5	27532
CTLXA12002J1F1224DA2	27457	CTLXA12002J2F1224DA5	27508	CTLXA12006J1F110A2	27487	CTLXA12006J2F1224DA6	27533
CTLXA12002J1F1224DA3	27458	CTLXA12002J2F110A2	27511	CTLXA12006J1F2302402	27488	CTLXA12006J2F110A2	27535
CTLXA12002J1F1224DA5	27460	CTLXA12002J2F110A3	27512	CTLXA12006J1F2302403	27493	CTLXA12006J2F110A3	27536
CTLXA12002J1F110A1	27462	CTLXA12002J2F2302401	27522	CTLXA12006J1F2302404	27494	CTLXA12006J2F2302401	27546
CTLXA12002J1F110A2	27463	CTLXA12002J2F2302402	27517	CTLXA12006J1F2302404	27495	CTLXA12006J2F2302402	27541
CTLXA12002J1F110A3	27464	CTLXA12002J2F2302403	27518	CTLXA12006J1F2302405	27496	CTLXA12006J2F2302403	27542
CTLXA12002J1F2302402	27469	CTLXA12002J2F2302404	27525	CTLXA12006J2F1224DA1	27528	CTLXA12006J2F2302404	27549
CTLXA12002J1F2302403	27470	CTLXA12002J2F2302405	27526	CTLXA12006J2F1224DA2	27529	CTLXA12006J2F2302405	27550
CTLXA12002J1F2302406	27479	CTLXA12002J2F2302406	27527	CTLXA12006J2F1224DA3	27530	CTLXA12006J2F2302406	27551
CTLXA12002J2F1224DA2	27505	CTLXA12006J1F1224DA2	27481	CTLXA12006J2F1224DA4	27531		

Versione nera disponibile a richiesta / Black option available on request / Couleur noire disponible sur demande / Farbe Schwarz auf Anfrage lieferbar / Color negro disponible bajo petición



AVVISATORI ACUSTICO/LUMINOSI INDUSTRIALI

DOUBLE WARNING SIGNALS – AUDIBLE/VISUAL / DISPOSITIFS DE SIGNALISATION ACOUSTIQUE/LUMINEUSE / INDUSTRIE-SIGNALHUPEN MIT WARNLICHT / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA

V 12 -24 -48 -110 -240 ($\pm 10\%$)	—	~ 50/60 Hz	Ba 15d -5w -10w LD	105 115 145 F	IP 43	<input type="checkbox"/>
On <input type="checkbox"/>	Hz (—) 650±50	Hz (~) 300÷7000	—	°C -30 +50		



		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			
BA 15d 5W	LR BA 15d 5W	V —	12 ÷ 24 ÷ 48		
mA		480	250	130	
Cd (p)		4	3	3	
BA 15d 10W	LR BA 15d 10W	mA	880	470	250
Cd (p)		6	5	5	
dB(A)		96	96	96	
Hz		650 ± 50			

		V ~				
BA 15d 5W	LR BA 15d 5W	mA	350	210	100	60
Cd (p)		4	3	3	3	3
BA 15d 10W	LR BA 15d 10W	mA	600	330	150	80
Cd (p)		5	5	4	4	4
dB(A)		92	92	92	92	92
Hz		300 ÷ 7000				



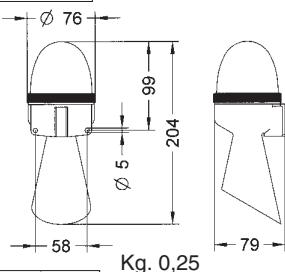
Flash/min. 110±20

SLEM L

SLEM L

(12)

SLEML12D2	40322	SLEML24A2	40642	SLEML48A2	40372	SLEML240A2	40702
SLEML12D3	40323	SLEML24A3	40353	SLEML48A3	40373	SLEML240A3	40423
SLEML12D4	40324	SLEML24A4	40354	SLEML48A4	40374	SLEML240A4	40424
SLEML24D2	40342	SLEML48D2	40362	SLEML110A2	40392		
SLEML24D3	40343	SLEML48D3	40363	SLEML110A3	40393		
SLEML24D4	40344	SLEML48D4	40364	SLEML110A4	40394		



		V —	12	24	48	110	240
BA 15d 5W	LR BA 15d 5W	mA	480	250	130	55	30
Cd (p)		4	3	3	2.5	2.5	
BA 15d 10W	LR BA 15d 10W	mA	880	470	250	115	60
Cd (p)		6	5	5	4	4	
dB(A)		96	96	96	96	96	
Hz		650 ± 50					

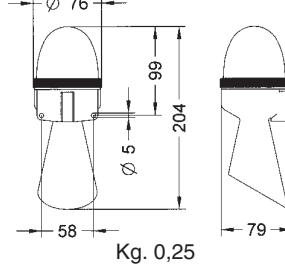
		V ~	12	24	48	110	240
BA 15d 5W	LR BA 15d 5W	mA	550	350	210	100	60
Cd (p)		4	3	3	2.5	2.5	
BA 15d 10W	LR BA 15d 10W	A	1	0.6	0.33	0.15	0.08
Cd (p)		6	5	5	4	4	
dB(A)		92	92	92	92	92	92
Hz		300 ÷ 7000					



SLEM F
SLEMF

(12)

SLEMF12D2	40622	SLEMF24A1	40711	SLEMF48A4	40674	SLEMF240D4	40414
SLEMF12D3	40623	SLEMF24A2	40712	SLEMF110D2	40682	SLEMF240A1	40721
SLEMF12D4	40624	SLEMF24A3	40713	SLEMF110D3	40683	SLEMF240A2	40422
SLEMF12A2	40632	SLEMF24A4	40714	SLEMF110D4	40684	SLEMF240A3	40703
SLEMF12A3	40633	SLEMF48D2	40662	SLEMF110A2	40692	SLEMF240A4	40704
SLEMF12A4	40634	SLEMF48D3	40663	SLEMF110A3	40693	SLEMF240A5	40705
SLEMF24D2	40352	SLEMF48D4	40664	SLEMF110A4	40694	SLEMF240A6	40706
SLEMF24D3	40643	SLEMF48A2	40672	SLEMF240D2	40412		
SLEMF24D4	40644	SLEMF48A3	40673	SLEMF240D3	40413		



V 24 -110 -240 ($\pm 10\%$)

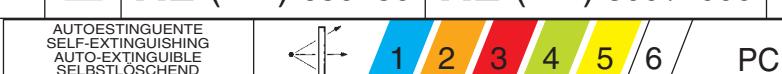
—

~ 50/60 Hz

J 2 2 **F**

Flash/min. 65±10

IP 43	On <input type="checkbox"/>	<input type="checkbox"/>	Hz (—) 650±50	Hz (~) 300÷7000	—	°C -30 +40
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LUCE A FLASH - SUONO CONTINUO

XENON FLASHING LIGHT – CONTINUOUS SOUND / LUMIERE A ECLATS – SON CONTINUO
BLITZLICHT – DAUERE TONFOLGE / LUZ DE DESTELLOS – SONIDO CONTINUO

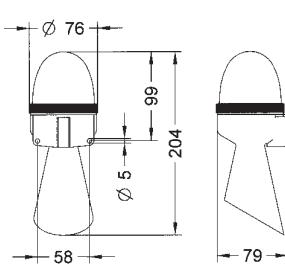


SLEM X
SLEMX

(12)

		V —	24
XENON 2J	LRX 2J	mA	350
		Cd (p)	200 100
		dB(A) 1m	96
		Hz	650±50

		V ~	24	110	240
		mA	500	80	70
		Cd (p)	200 100	75 35	120 90
		dB(A) 1m	92	92	92
		Hz	300÷7000		



SLEMX24D2	40432	SLEMX110A2	40452
SLEMX24D3	40433	SLEMX110A3	40453
SLEMX24D4	40434	SLEMX110A4	40454
SLEMX24A2	40442	SLEMX240A2	40462
SLEMX24A3	40443	SLEMX240A3	40463
SLEMX24A4	40444	SLEMX240A4	40464

Kg. 0,25



DISPOSITIVI DI SEGNALAZIONE ACUSTICO/LUMINOSA

DOUBLE WARNING SIGNALS – AUDIBLE/VISUAL / DISPOSITIFS DE SIGNALISATION ACOUSTIQUE/LUMINEUSE / SIGNALGERÄTE MIT AKUSTISCHEM- UND OPTISCHEN SIGNAL / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA

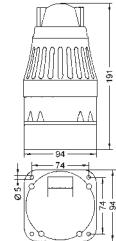
V ₁₂ -24-48-110-240 ($\pm 10\%$)	---	~ 50/60 Hz	Flash/min. 130±20
IP 30	□		°C -30 +40
On ∞	1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



SIRLAMP MS 5
SIRLMS5

⑧

BA 15d 5W LR BA 15d 5W	V ---	12	24	-	-	-
	V ~			48	110	240
	mA	770	585	250	120	60
	Cd (p)	25	18	3	2	2
	dB(A) 1m	Min 86.5 - Max 97				



Kg. 0,70

SIRLMS512DA1	40001	SIRLMS524DA1	40011	SIRLMS548A1	40041	SIRLMS5110A1	40051	SIRLMS5240A1	40061
SIRLMS512DA2	40002	SIRLMS524DA2	40012	SIRLMS548A2	40042	SIRLMS5110A2	40052	SIRLMS5240A2	40062
SIRLMS512DA3	40003	SIRLMS524DA3	40013	SIRLMS548A3	40043	SIRLMS5110A3	40053	SIRLMS5240A3	40063
SIRLMS512DA4	40004	SIRLMS524DA4	40014	SIRLMS548A4	40044	SIRLMS5110A4	40054	SIRLMS5240A4	40064
SIRLMS512DA5	40005	SIRLMS524DA5	40015	SIRLMS548A5	40045	SIRLMS5110A5	40055	SIRLMS5240A5	40065
SIRLMS512DA6	40006	SIRLMS524DA6	40016	SIRLMS548A6	40046	SIRLMS5110A6	40056	SIRLMS5240A6	40066

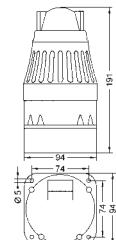
V _{12÷24-110-240} ($\pm 10\%$)	---	~ 50/60 Hz	Flash/min. 1F : 65 ± 10 2F : 2 x 65 ± 10
IP 30	□		°C -30 +40
		1 2 3 4 5 6 PC	On ∞



SIRLAMP X 1F MS 5
SIRLAMP X 2F MS 5

⑧

XENON 1J LRX 1J	V ---	12÷24		-	-
	V ~			110	240
	mA	550	530	115	80
	Cd (p)	350	450	350	750
	dB(A) 1m	Min 88.5 - Max 99.5			



Kg. 0,70

XENON 1J LRX 1J	V ---	12÷24		-	-
	V ~			110	240
	mA	350	370	140	100
	Cd (p)	350	450	350	750
	dB(A)	Min 88.5 - Max 99.5			

SIRLX1FMS51224DA1	40071	SIRLX1FMS5240A1	40091	SIRLX2FMS5110A1	40111
SIRLX1FMS51224DA2	40072	SIRLX1FMS5240A2	40092	SIRLX2FMS5110A2	40112
SIRLX1FMS51224DA3	40073	SIRLX1FMS5240A3	40093	SIRLX2FMS5110A3	40113
SIRLX1FMS51224DA4	40074	SIRLX1FMS5240A4	40094	SIRLX2FMS5110A4	40114
SIRLX1FMS51224DA5	40075	SIRLX1FMS5240A5	40095	SIRLX2FMS5110A5	40115
SIRLX1FMS51224DA6	40076	SIRLX1FMS5240A6	40096	SIRLX2FMS5110A6	40116
SIRLX1FMS5110A1	40081	SIRLX2FMS51224DA1	40101	SIRLX2FMS5240A1	40121
SIRLX1FMS5110A2	40082	SIRLX2FMS51224DA2	40102	SIRLX2FMS5240A2	40122
SIRLX1FMS5110A3	40083	SIRLX2FMS51224DA3	40103	SIRLX2FMS5240A3	40123
SIRLX1FMS5110A4	40084	SIRLX2FMS51224DA4	40104	SIRLX2FMS5240A4	40124
SIRLX1FMS5110A5	40085	SIRLX2FMS51224DA5	40105	SIRLX2FMS5240A5	40125
SIRLX1FMS5110A6	40086	SIRLX2FMS51224DA6	40106	SIRLX2FMS5240A6	40126



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-48-110-240 ($\pm 10\%$)	\equiv	\sim 50/60 Hz	IP 55	<input type="checkbox"/>
°C -30 +50	On ∞		PC	AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA

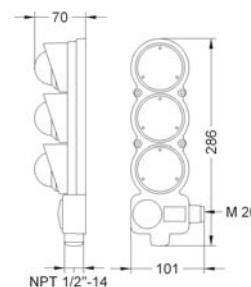


SMFR 6.3 F

SMFR 6.3 F

(47) (48)

	V \equiv	12	24	48	110	240
	V \sim	415	210	105	45	20
BA 15d 5W	mA	30	30	10	3	3
LR BA 15d 5W	Cd (p)	69480	69481	69482	69483	69484



Kg. 0,53

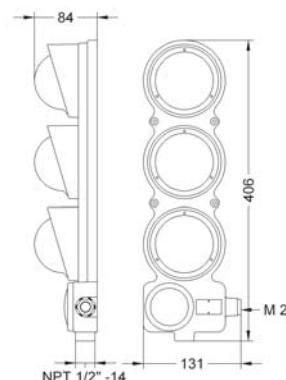


SMFR 9.3 F

SMFR 9.3 F

(47) (48)

	V \equiv	12	24	48	110	240
	V \sim	830	415	210	90	45
BA 15d 10W	mA	160	150	140	20	30
LR BA 15d 10W	Cd (p)	69485	69486	69487	69488	69489



Kg. 0,75

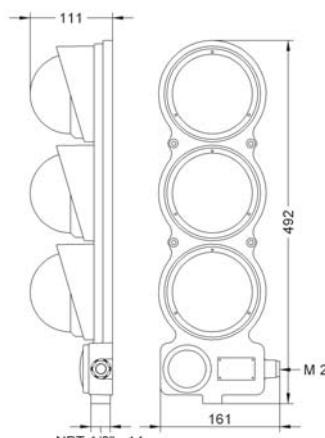


SMFR 12.3 F

SMFR 12.3 F

(47) (48)

	V \equiv	12	24	48	110	240
	V \sim	2.1	1.1	0.52	0.22	0.10
BA 15d 25W	A	450	500	500	50	80
LR BA 15d 25W	Cd (p)	69490	69491	69492	69493	69494



Kg. 1,00

Altri colori disponibili a richiesta. VERSIONI SPECIALI LUCE LAMPEGGIANTE A RICHIESTA.
Disponibili versioni a LED integrati. I dati di assorbimento si riferiscono ad una sola sezione luminosa.

Other colours available on request. SPECIAL FLASHING LIGHT VERSIONS ON REQUEST.

LED integrated versions available. The power consumption data refers to one light source only.

D'autres couleurs disponibles sur demande. VERSIONS SPECIALES A LUMIERE CLIGNOTANTE SUR DEMANDE.

Disponibles versions à LEDs intégrées. Les données de consommation se réfèrent à une seule section lumineuse.

Andere Farben auf Anfrage lieferbar. BLINKLICHT-SONDERAUSFÜHRUNGEN AUF ANFRAGE LIEFERBAR.

Ausführungen mit integrierten LED lieferbar. Die Angaben der Stromaufnahme beziehen sich auf eine einzige Lichteinheit.

Otros colores disponibles bajo petición. VERSIONES ESPECIALES DE LUZ INTERMITENTE BAJO PETICIÓN.

Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección lumínica.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12÷24-110-240 ($\pm 10\%$)	$= = =$	\sim 50/60 Hz	J 1-6	Flash/min. 1F : 65 ± 10
IP 55	<input type="checkbox"/>	°C -10 +40	On ∞	1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH / XENON FLASHING LIGHT / LUMIERE A ECLATS / BLITZLICHT / LUZ DE DESTELLOS



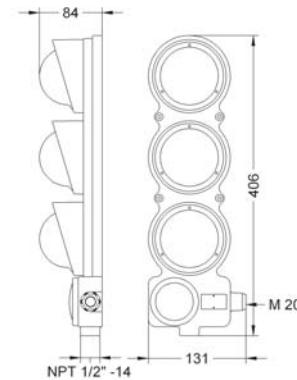
SMFR 9.3 X 1J 1F

SMFR 9.3 X 1J 1F

④7 ④8

1F	V $= = =$	12÷24		-	-
XENON 1J LRX 1J	V \sim	110	240		
	mA	150	80	45	45
	Cd (p)	2000	2000	1000	1000

SMFR9.3X1J1F32412/24DA 69510
SMFR9.3X1J1F324110A 69511
SMFR9.3X1J1F324240A 69512



Kg. 0,80



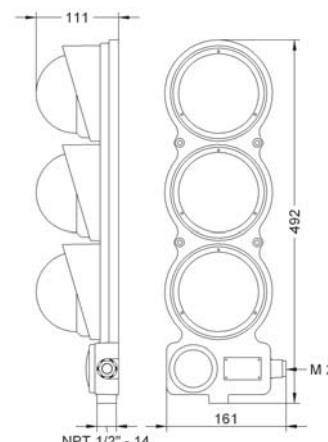
SMFR 12.3 X 6J 1F

SMFR 12.3 X 6J 1F

④7 ④8

1F	V $= = =$	12÷24		-	-
XENON 6J LRX 6J	V \sim	110	240		
	A	1.2	1.3	0.35	0.22
	Cd (p)	4800	4800	3200	5000

SMFR12.3X6J1F32412/24DA 69513
SMFR12.3X6J1F324110A 69514
SMFR12.3X6J1F324240A 69515



Kg. 1,15

Altri colori disponibili a richiesta.

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Andere Farben auf Anfrage lieferbar.

Ausführungen mit integrierten LED lieferbar. Die Angaben der Stromaufnahme beziehen sich auf eine einzige Lichteinheit.

Otros colores disponibles bajo petición.

Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección luminosa.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-48-110-240 ($\pm 10\%$)	---	50/60 Hz	IP 43 55
---	°C -30 +50	On	1 2 3 4 5 6 PC

LUCE FISSA - SUONO INTERMITTENTE / CONTINUOUS LIGHT – INTERMITTENT SOUND /
LUMIERE FIXE - SON INTERMITTENT / DAUERLICHT - AUSSETZENDE TONFOLGE / LUZ FIJA - SONIDO INTERMITENTE



SMFR 6.3 FA

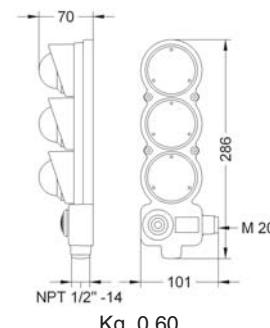
SMFR 6.3 FA

(47) (48)

IP 55

	V ---	12	24	48	110	240
	V ~				110	240
	mA	425	220	115	50	30
	Cd (p)	30	30	10	3	3
Ba 15d 5W	dB(A)1m	82	82	82	82	82
LR Ba 15d 5W	Hz 4000±300	--- F/m 110				

SMFR6.3FA32412DA 69522
SMFR6.3FA32424DA 69523
SMFR6.3FA32448DA 69524
SMFR6.3FA324110D 69592
SMFR6.3FA324110A 69525
SMFR6.3FA324240D 69593
SMFR6.3FA324240A 69526



Kg. 0,60

LUCE FISSA - SUONO CONTINUO / CONTINUOUS LIGHT - CONTINUOUS SOUND /

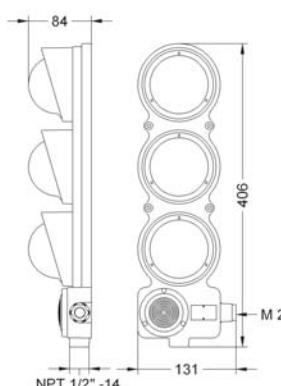
LUMIERE FIXE - SON CONTINUO / DAUERLICHT - DAUERE TONFOLGE / LUZ FIJA - SONIDO CONTINUO



IP 43

	V ---	12	24	48	110	240
	mA	880	450	230		
	Cd (p)	160	150	140		
	dB(A)1m	90	90	90		
Ba 15d 10W	Hz 650	--- F/m 0				
LR Ba 15d 10W						

	V ~	12	24	48	110	240
	mA	940	550	330	150	75
	Cd (p)	160	150	140	20	30
	dB(A)1m	85	85	85	85	85
Ba 15d 10W	Hz 50	--- F/m 0				
LR Ba 15d 10W						



Kg. 0,80

SMFR 9.3 FA

SMFR 9.3 FA

(47) (48)

SMFR9.3FA32412D	69594	SMFR9.3FA32448D	69596
SMFR9.3FA32412A	69527	SMFR9.3FA32448A	69529
SMFR9.3FA32424D	69595	SMFR9.3FA324110A	69530
SMFR9.3FA32424A	69528	SMFR9.3FA324240A	69531



SMFR 12.3 FA

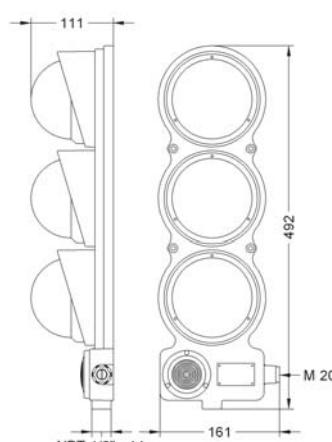
SMFR 12.3 FA

(47) (48)

IP 43 ---

	V ---	12	24	48	110	240
	A	2.15	1.15	0.54		
	Cd (p)	450	500	500		
	dB(A)1m	90	90	90		
BA 15d 25W	Hz 650	--- F/m 0				
LR BA 15d 25W						

	V ~	12	24	48	110	240
	A	2.2	1.25	0.65	0.28	0.13
	Cd (p)	450	500	500	50	80
	dB(A)1m	85	85	85	85	85
BA 15d 25W	Hz 50	--- F/m 0				
LR BA 15d 25W						



Kg. 1,05

Altri colori disponibili a richiesta. VERSIONI SPECIALI LUCE LAMPEGGIANTE A RICHIESTA. Disponibili versioni a LED integrati. I dati di assorbimento si riferiscono ad una sola sezione luminosa.

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Andere Farben auf Anfrage lieferbar. BLINKLICHT-SONDERAUSFÜHRUNGEN AUF ANFRAGE LIEFERBAR.

Aufstellungen mit integrierten LED lieferbar. Die Angaben der Stromaufnahme beziehen sich auf eine einzige Lichteinheit.

Otros colores disponibles bajo petición. VERSIONES ESPECIALES DE LUZ INTERMITENTE BAJO PEDICIÓN. Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección lumínosa.

SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-110-240 ($\pm 10\%$)	$\equiv \equiv$	\sim 50/60 Hz	J 1-6	Flash/min. 1F : 65 ± 10	IP 43
	—	°C -10 +40	On ∞	1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

LUCE A FLASH - SUONO CONTINUO / XENON FLASHING LIGHT - CONTINUOUS SOUND / LUMIERE A ECLATS - SON CONTINUO / BLITZLICHT - DAUERE TONFOLGE / LUZ DE DESTELLOS - SONIDO CONTINUO



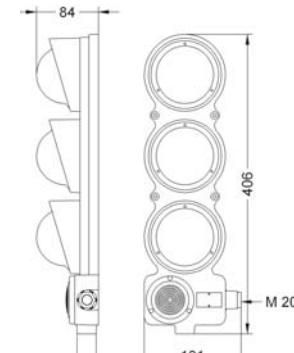
SMFR 9.3 X 1J 1F A

SMFR 9.3 X 1J 1F A

47 48

1F	V	—	12	24
	mA		200	120
XENON 1J	Cd(p)	2000	2000	
LRX 1J	dB(A)1m	90	90	
	Hz	650 ± 50		

1F	V	—	12	24	110	240
XENON 1J	mA		260	220	100	75
LRX 1J	Cd (p)	2000	2000	1000	1000	
	dB(A)1m	85	85	85	85	
	Hz	50				F/m



Kg. 0,85

SMFR9.3X1J1FA32412D	69619	SMFR9.3X1J1FA32424A	69621
SMFR9.3X1J1FA32412A	69552	SMFR9.3X1J1FA324110A	69553
SMFR9.3X1J1FA32424D	69620	SMFR9.3X1J1FA324240A	69554



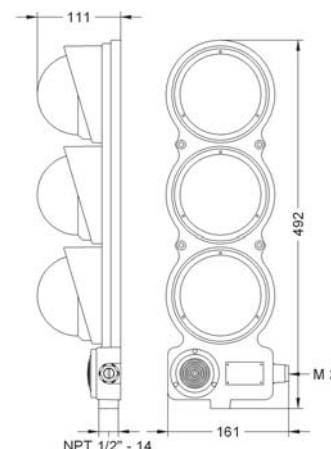
SMFR 12.3 X 6J 1F A

SMFR 12.3 X 6J 1F A

47 48

1F	V	—	12	24
XENON 6J	A		1.25	1.35
LRX 6J	Cd (p)	4800	4800	
	dB(A)1m	90	90	
	Hz	650 ± 50		

1F	V	—	12	24	110	240
XENON 6J	A		1.3	1.45	0.4	0.25
LRX 6J	Cd (p)	4800	4800	3200	5000	
	dB(A)1m	85	85	85	85	
	Hz	50				F/m



Kg. 1,20

SMFR12.3X6J1FA32412D	69624	SMFR12.3X6J1FA32424A	69626
SMFR12.3X6J1FA32412A	69555	SMFR12.3X6J1FA324110A	69556
SMFR12.3X6J1FA32424D	69625	SMFR12.3X6J1FA324240A	69557

Altri colori disponibili a richiesta. Disponibili versioni a LED integrati. I dati di assorbimento si riferiscono ad una sola sezione luminosa.

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Andere Farben auf Anfrage lieferbar. Ausführungen mit integrierten LED lieferbar. Die Angaben der Stromaufnahme beziehen sich auf eine einzige Lichteinheit.

Otros colores disponibles bajo petición. Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección luminosa.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-48-110-240 ($\pm 10\%$)	---	\sim 50/60 Hz	IP 55	<input type="checkbox"/>
°C -30 +50	On ∞		PC	AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA



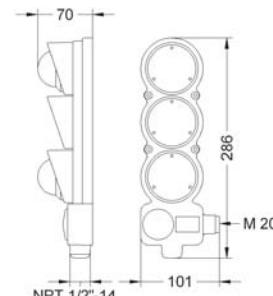
SMFR 6.2 F

SMFR 6.2 F

④7 ④8

	V ---	12	24	48	110	240
	V ~					
BA 15d 5W	mA	415	210	105	45	20
LR BA 15d 5W	Cd (p)	30	30	10	3	3

SMFR6.2F3412DA	69495
SMFR6.2F3424DA	69496
SMFR6.2F3448DA	69497
SMFR6.2F34110DA	69498
SMFR6.2F34240DA	69499



Kg. 0,50



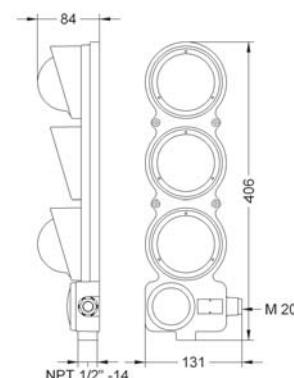
SMFR 9.2 F

SMFR 9.2 F

④7 ④8

	V ---	12	24	48	110	240
	V ~					
BA 15d 10W	mA	830	415	210	90	45
LR BA 15d 10W	Cd (p)	160	150	140	20	30

SMFR9.2F3412DA	69500
SMFR9.2F3424DA	69501
SMFR9.2F3448DA	69502
SMFR9.2F34110DA	69503
SMFR9.2F34240DA	69504



Kg. 0,70



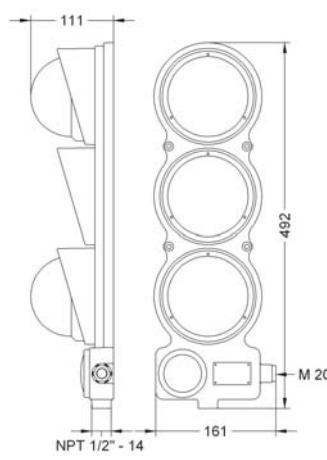
SMFR 12.2 F

SMFR 12.2 F

④7 ④8

	V ---	12	24	48	110	240
	V ~					
BA 15d 25W	A	2.1	1.1	0.52	0.22	0.10
LR BA 15d 25W	Cd (p)	450	500	500	50	80

SMFR12.2F3412DA	69505
SMFR12.2F3424DA	69506
SMFR12.2F3448DA	69507
SMFR12.2F34110DA	69508
SMFR12.2F34240DA	69509



Kg. 0,90

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LED integrated versions available. The power consumption data refers to one light source only.

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Disponibles versiones à LEDs integradas. Les données de consommation se réfèrent à une seule section lumineuse.

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Ausführungen mit integrierten LED lieferbar. Die Angaben der Stromaufnahme beziehen sich auf eine einzige Lichteinheit.

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Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección lumínica.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12÷24-110-240 ($\pm 10\%$)	---	\sim 50/60 Hz	J 1-6	Flash/min. 1F : 65 ± 10
IP 55	□	°C -10 +40	On ∞	1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH / XENON FLASHING LIGHT / LUMIERE A ECLATS / BLITZLICHT / LUZ DE DESTELLOS



SMFR 9.2 X 1J 1F

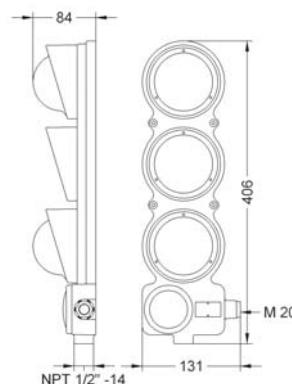
SMFR 9.2 X 1J 1F

(47) (48)

1F	V ---	12÷24		-	-
	V \sim	110	240		
	mA	150	80	45	45
	Cd (p)	2000	2000	1000	1000

XENON 1J
LRX 1J

SMFR9.2X1J1F3412/24DA 69516
SMFR9.2X1J1F34110A 69517
SMFR9.2X1J1F34240A 69518



Kg. 0,78



SMFR 12.2 X 6J 1F

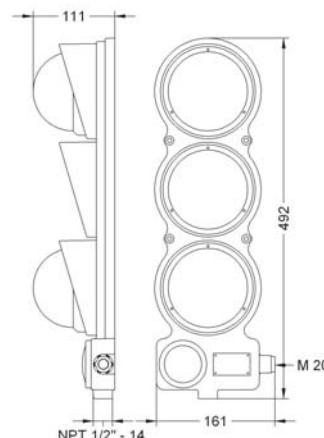
SMFR 12.2 X 6J 1F

(47) (48)

1F	V ---	12÷24		-	-
	V \sim	110	240		
	A	1.2	1.3	0.35	0.22
	Cd (p)	4800	4800	3200	5000

XENON 6J
LRX 6J

SMFR12.2X6J1F3412/24DA 69519
SMFR12.2X6J1F34110A 69520
SMFR12.2X6J1F34240A 69521



Kg. 1,05

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Otros colores disponibles bajo petición. Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección luminosa.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-48-110-240 ($\pm 10\%$)				---	\sim 50/60 Hz	IP 43 55
	---	$^{\circ}\text{C}$	-30 +50	On ∞		1 2 3 4 5 6 / PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE FISSA - SUONO INTERMITTENTE / CONTINUOUS LIGHT – INTERMITTENT SOUND /
LUMIERE FIXE - SON INTERMITTENT / DAUERLICHT - AUSSETZENDE TONFOLGE / LUZ FIJA - SONIDO INTERMITENTE



SMFR 6.2 FA

SMFR 6.2 FA

(47) (48)

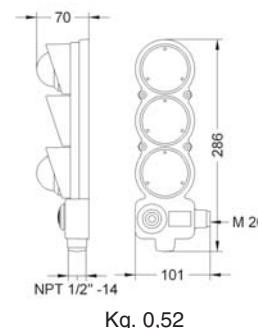
IP 55



	V ---	12	24	48	110	240
	V \sim				110	240
mA	425	220	115	50	30	
Cd (p)	30	30	10	3	3	
dB(A)1m	82	82	82	82	82	82
Hz 4000 \pm 300						F/m 110

Ba 15d 5W
LR Ba 15d 5W

SMFR6.2FA3412DA 69537
SMFR6.2FA3424DA 69538
SMFR6.2FA3448DA 69539
SMFR6.2FA34110D 69607
SMFR6.2FA34110A 69540
SMFR6.2FA34240D 69608
SMFR6.2FA34240A 69541



Kg. 0,52

LUCE FISSA - SUONO CONTINUO / CONTINUOUS LIGHT - CONTINUOUS SOUND /
LUMIERE FIXE - SON CONTINUO / DAUERLICHT - DAUERE TONFOLGE / LUZ FIJA - SONIDO CONTINUO

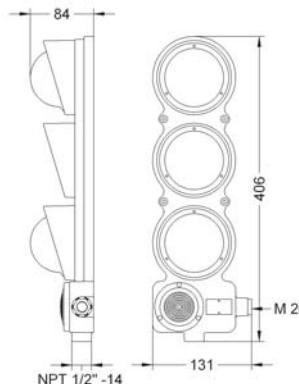


IP 43



	V ---	12	24	48
	mA	880	450	230
Cd (p)	160	150	140	
dB(A)1m	90	90	90	
Hz 650				
				F/m 0

	V \sim	12	24	48	110	240
mA	940	550	330	150	75	
Cd (p)	160	150	140	20	30	
dB(A)1m	85	85	85	85	85	85
Hz 50						F/m 0



Kg. 0,74

SMFR 9.2 FA

SMFR 9.2 FA

(47)

(48)

SMFR9.2FA3412D 69609 SMFR9.2FA3448D 69611
SMFR9.2FA3412A 69542 SMFR9.2FA3448A 69544
SMFR9.2FA3424D 69610 SMFR9.2FA34110A 69545
SMFR9.2FA3424A 69543 SMFR9.2FA34240A 69546



SMFR 12.2 FA

SMFR 12.2 FA

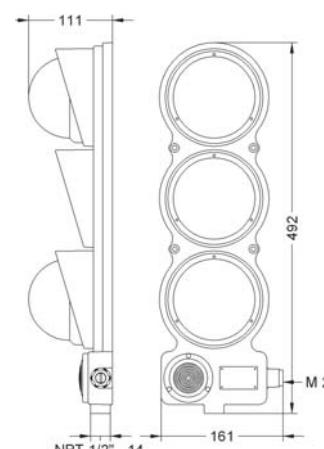
(47)

(48)

IP 43

	V ---	12	24	48
	A	2.15	1.15	0.54
Cd (p)	450	500	500	
dB(A)1m	90	90	90	
Hz 650				
				F/m 0

	V \sim	12	24	48	110	240
A	2.2	1.25	0.65	0.28	0.13	
Cd (p)	450	500	500	50	80	
dB(A)1m	85	85	85	85	85	85
Hz 50						F/m 0



Kg. 1,00

Altri colori disponibili a richiesta. VERSIONI SPECIALI LUCE LAMPEGGIANTE A RICHIESTA. Disponibili versioni a LED integrati. I dati di assorbimento si riferiscono ad una sola sezione luminosa.

Other colours available on request. SPECIAL FLASHING LIGHT VERSIONS ON REQUEST. LED integrated versions available. The power consumption data refers to one light source only.

D'autres couleurs disponibles sur demande. VERSIONS SPECIALES A LUMIÈRE CLIGNOTANTE SUR DEMANDE. Disponibles versions à LEDS intégrées. Les données de consommation se réfèrent à une seule section lumineuse.

Andere Farben auf Anfrage lieferbar. BLINKLICHT-SONDERAUSFÜHRUNGEN AUF ANFRAGE LIEFERBAR. Ausführungen mit integrierten LED lieferbar. Die Angaben der Stromaufnahme beziehen sich auf eine einzige Lichteinheit.

Otros colores disponibles bajo petición. VERSIONES ESPECIALES DE LUZ INTERMITENTE BAJO PETICIÓN. Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección lumínica.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-110-240 ($\pm 10\%$)			---	\sim 50/60 Hz	J 1-6	Flash/min. 1F : 65 \pm 10
IP 43		°C -10 +40	On ∞		1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINQUISHING AUTOLÖSCHEND SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH - SUONO CONTINUO / XENON FLASHING LIGHT - CONTINUOUS SOUND / LUMIERE A ECLATS - SON CONTINUO / BLITZLICHT - DAUERE TONFOLGE / LUZ DE DESTELLOS - SONIDO CONTINUO



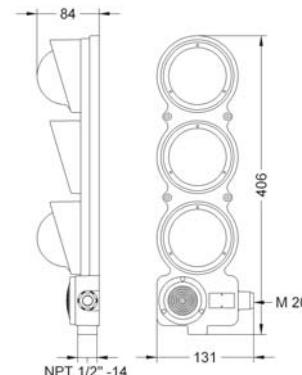
SMFR 9.2 X 1J 1F A

SMFR 9.2 X 1J 1F A

(47) (48)

1F	V	---	12	24
XENON 1J LRX 1J	mA	200	120	
	Cd(p)	2000	2000	
	dB(A)1m	90	90	
	Hz	650 \pm 50		

1F	V	~	12	24	110	240
XENON 1J LRX 1J	mA	260	220	100	75	
	Cd (p)	2000	2000	1000	1000	
	dB(A)1m	85	85	85	85	
	Hz	50				F/m



Kg. 0,80

SMFR9.2X1J1FA3412D 69629 SMFR9.2X1J1FA3424A 69631
 SMFR9.2X1J1FA3412A 69558 SMFR9.2X1J1FA34110A 69559
 SMFR9.2X1J1FA3424D 69630 SMFR9.2X1J1FA34240A 69560



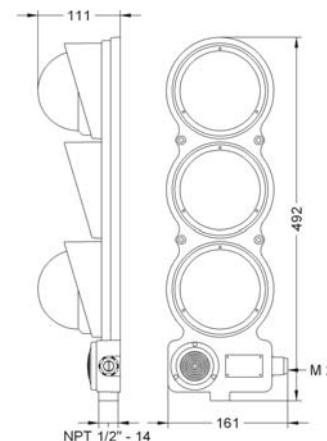
SMFR 12.2 X 6J 1F A

SMFR 12.2 X 6J 1F A

(47) (48)

1F	V	---	12	24
XENON 6J LRX 6J	A	1.25	1.35	
	Cd(p)	4800	4800	
	dB(A)1m	90	90	
	Hz	650 \pm 50		

1F	V	~	12	24	110	240
XENON 6J LRX 6J	A	1.3	1.45	0.4	0.25	
	Cd (p)	4800	4800	3200	5000	
	dB(A)1m	85	85	85	85	
	Hz	50				F/m



Kg. 1,10

SMFR12.2X6J1FA3412D 69634 SMFR12.2X6J1FA3424A 69636
 SMFR12.2X6J1FA3412A 69561 SMFR12.2X6J1FA34110A 69562
 SMFR12.2X6J1FA3424D 69635 SMFR12.2X6J1FA34240A 69563

Altri colori disponibili a richiesta. Disponibili versioni a LED integrati. I dati di assorbimento si riferiscono ad una sola sezione luminosa.
 Other colours available on request. LED integrated versions available. The power consumption data refers to one light source only.

D'autres couleurs disponibles sur demande. Disponibles versions à LEDs intégrées . Les données de consommation se réfèrent à une seule section lumineuse.
 Andere Farben auf Anfrage lieferbar. Ausführungen mit integrierten LED lieferbar. Die Angaben der Stromaufnahme beziehen sich auf eine einzige Lichteinheit.
 Otros colores disponibles bajo petición. Disponibles versiones de LED'S integrados. Los datos de consumo se refieren a una sola sección luminosa.



PRODOTTI PER CARRELLI ELEVATORI

PRODUCTS FOR FORKLIFT TRUCKS / PRODUITS POUR CHARIOTS ELEVATEURS /
PRODUKTE FÜR HUB- UND GABELSTAPLER / PRODUCTOS PARA CARRETILLAS ELEVADORAS

V 10÷100	---	J 1	Flash/min. 1F : 60÷130 2F : 2 x 75 ± 10	IP 54
°C -30 +40	On ∞		2 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE XENO MULTITENSIONE - MONOLAMPO

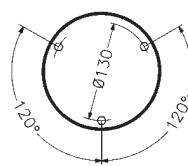
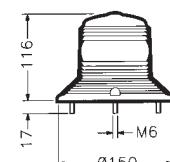
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



ELEBLITZ 10÷100V 1F
ELEBLITZ1F10100

①

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	1800



Kg. 0,36

ELEBLITZ1F10100D2 84561

LUCE XENO MULTITENSIONE - MONOLAMPO O BILAMPO

MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH OR DOUBLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT OU DOUBLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZEL- ODER DOPPELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO O DOBLE DESTELLO

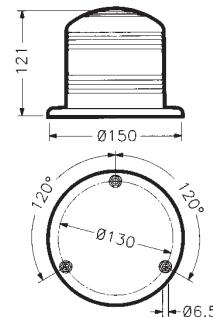


FLASH ELEV 10÷100V 1F-2F
FLELB1F10100

①

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	1800

2F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	900 / 750



Kg. 0,45

FLELB1F10100D2 84524
FLELB2F10100D2 84583

LUCE XENO MULTITENSIONE - MONOLAMPO

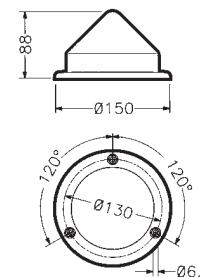
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



FLC 1200 10÷100V 1F
FLC12001F10100

①

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	2500



Kg. 0,23

FLC12001F10100D2 84567

LUCE XENO MULTITENSIONE - MONOLAMPO

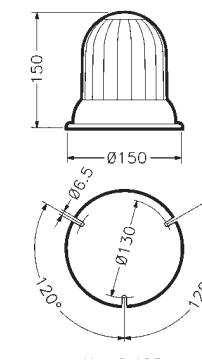
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



MICROROT ISO B ELEV
10÷100V 1F
MRTISOBEL10100

⑧

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	1000



Kg. 0,42

MRTISOBEL10100D2 84547

PRODOTTI PER CARRELLI ELEVATORI

PRODUCTS FOR FORKLIFT TRUCKS / PRODUITS POUR CHARIOTS ELEVATEURS /
PRODUKTE FÜR HUB- UND GABELSTAPLER / PRODUCTOS PARA CARRETILLAS ELEVADORAS

V 10÷100	---	J 1	Flash/min. 1F : 60 ÷ 130	IP 54
°C -30 +40	On ∞		2 PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE XENO MULTITENSIONE - MONOLAMPO

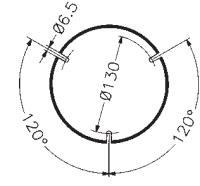
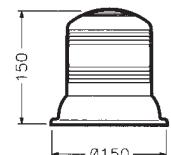
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



MINIFRESNEL ISO B ELEV
10÷100V 1F
MFRISOBEL1F10100

①

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	1800



Kg. 0,43

MFRISOBEL1F10100D2 84582

LUCE XENO MULTITENSIONE - MONOLAMPO

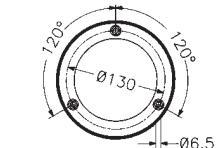
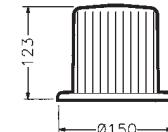
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



MINITRUCK 120
10÷100V 1F
MTRUCK1201F10100

①

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	2200



Kg. 0,38

MTRUCK1201F10100D2 84628

LUCE XENO MULTITENSIONE - MONOLAMPO

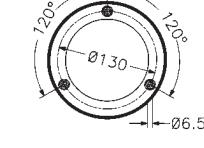
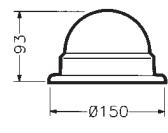
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



SFEROFLASH
10÷100V 1F
SFEROF1F10100

①

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	2300



Kg. 0,26

SFEROF1F10100D2 84564

LUCE XENO MULTITENSIONE - MONOLAMPO

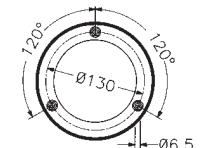
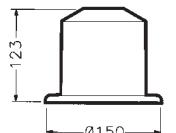
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



TOUR ELEV 10÷100V 1F
TOUREL1F10100

①

1F	V ---	10÷100
XENON 1J	mA	50÷220
LRX 1J	Cd (p)	2200



Kg. 0,36

TOUREL1F10100D2 84627



PRODOTTI PER CARRELLI ELEVATORI

PRODUCTS FOR FORKLIFT TRUCKS / PRODUITS POUR CHARIOTS ELEVATEURS /
PRODUKTE FÜR HUB- UND GABELSTAPLER / PRODUCTOS PARA CARRETILLAS ELEVADORAS

V 10÷100	---	J 1	Flash/min. 1F : 60 ÷ 130 2F : 2 x 75 ± 10	IP 20
	°C -30 +40	On ∞		2 PC AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUILDE

LUCE XENO MULTITENSIONE - MONOLAMPO o BILAMPO - CON SEGNALE ACUSTICO INCORPORATO

MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH OR DOUBLE FLASH – WITH BUILT-IN AUDIBLE SIGNAL

FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT OU DOUBLE ECLAT – AVEC SIGNAL ACoustIQUE INCORPORE

MULTISPANNUNG-BLITZLEUCHTE – EINZEL- ODER DOPPELBLITZ – MIT EINGEBAUTEM SIGNALGEBER

LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO O DOBLE DESTELLO – CON SEÑAL ACÚSTICA INCORPORADA

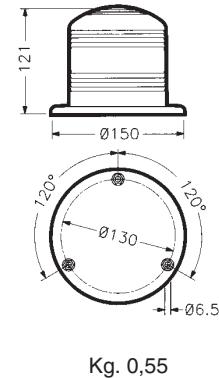


FLASH ELEV SL 10÷100V 1F-2F
FLELSL1F10100

①

1F	V ---	10÷100
	mA	50÷220
	Cd (p)	1800
	dB(A)1m	75÷85
	Hz	2500±100

2F	V ---	10÷100
	mA	50÷220
	Cd (p)	900 / 750
	dB(A)1m	75÷85
	Hz	2500±100



FLELSL1F10100D2 84514
FLELSL2F10100D2 84584

LUCE XENO MULTITENSIONE - MONOLAMPO - CON SEGNALE ACUSTICO INCORPORATO

MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH – WITH BUILT-IN AUDIBLE SIGNAL

FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT – AVEC SIGNAL ACoustIQUE INCORPORE

MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ – MIT EINGEBAUTEM SIGNALGEBER

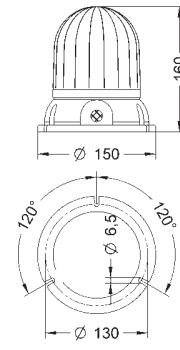
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO – CON SEÑAL ACÚSTICA INCORPORADA



MICROROT ISO B ELEV SL
10÷100 1F
MRTISOBELSL1F10100

⑧

1F	V ---	10÷100
	mA	50÷220
	Cd (p)	1000
	dB(A)1m	75÷85
	Hz	2500±100



MRTISOBELSL1F10100D2 84575

LUCE XENO MULTITENSIONE - MONOLAMPO - CON SEGNALE ACUSTICO INCORPORATO

MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH – WITH BUILT-IN AUDIBLE SIGNAL

FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT – AVEC SIGNAL ACoustIQUE INCORPORE

MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ – MIT EINGEBAUTEM SIGNALGEBER

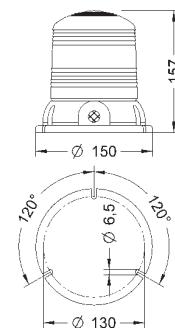
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO – CON SEÑAL ACÚSTICA INCORPORADA



MINIFRESNEL ISO B ELEV SL
10÷100V 1F
MFRISOBELSL1F10100

⑧

1F	V ---	10÷100
	mA	50÷220
	Cd (p)	1800
	dB(A)1m	75÷85
	Hz	2500±100



Kg. 0,48

MFRISOBELSL1F10100D2 24841



PRODOTTI PER CARRELLI ELEVATORI

PRODUCTS FOR FORKLIFT TRUCKS / PRODUITS POUR CHARIOTS ELEVATEURS /
PRODUKTE FÜR HUB- UND GABELSTAPLER / PRODUCTOS PARA CARRETILLAS ELEVADORAS

V 10÷100	---	On ∞	IP 54	---	°C -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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AVVISATORE ACUSTICO MULTITENSIONE DI RETROMARCIA

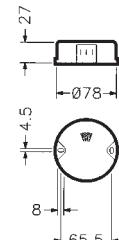
MULTI-VOLTAGE BACK-UP ALARM
ALARME DE RECOL MULTI-TENSION
MULTISPANNUNG-RÜCKWÄRTSAHRSIGNAL
AVISADOR ACÚSTICO MULTITENSIÓN PARA MARCHA ATRÁS



RES 10÷100 V*
RES10100

(16)

V ---	10÷100
mA	12÷24
dB(A)1m	92
dB(A)1m	82
Hz	2500



Kg. 0,17

RES10100 52342

AVVISATORE ACUSTICO MULTITENSIONE DI RETROMARCIA

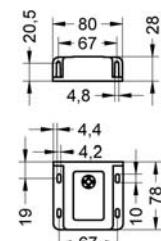
MULTI-VOLTAGE BACK-UP ALARM
ALARME DE RECOL MULTI-TENSION
MULTISPANNUNG-RÜCKWÄRTSAHRSIGNAL
AVISADOR ACÚSTICO MULTITENSIÓN PARA MARCHA ATRÁS



RETRO ALLARM 10÷100 V*
RTA10100

(16)

V ---	10÷100
mA	12÷24
dB(A)1m	92
dB(A)1m	82
Hz	2500



Kg. 0,19

RTA10100 52331

AVVISATORE ACUSTICO MULTITENSIONE DI RETROMARCIA

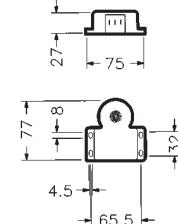
MULTI-VOLTAGE BACK-UP ALARM
ALARME DE RECOL MULTI-TENSION
MULTISPANNUNG-RÜCKWÄRTSAHRSIGNAL
AVISADOR ACÚSTICO MULTITENSIÓN PARA MARCHA ATRÁS



SEN 10÷100 V*
SEN10100

(16)

V ---	10÷100
mA	12÷24
dB(A)1m	92
dB(A)1m	82
Hz	2500



Kg. 0,13

SEN10100 52343

V 10÷100	---	On ∞	IP 55	---	°C -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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AVVISATORE ACUSTICO MULTITENSIONE DI RETROMARCIA CON INTENSITÀ SUONO AUTOREGOLABILE IN BASE ALLA RUMOROSITÀ AMBIENTALE

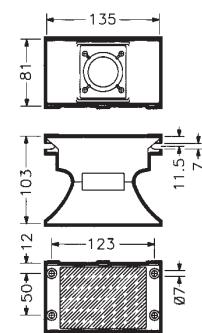
MULTI-VOLTAGE BACK-UP ALARM WITH SELF-ADJUSTABLE SOUND INTENSITY DEPENDING ON AMBIENT NOISE
ALARME DE RECOL MULTI-TENSION AVEC INTENSITE DE SON AUTOREGLABLE SELON LE BRUIT AMBIANT
MULTISPANNUNG-RÜCKWÄRTSAHRSIGNAL MIT SELBSTEINSTELLER SCHALLSTÄRKE NACH UMGBEUNGSGERÄUSCH
AVISADOR ACÚSTICO MULTITENSIÓN PARA MARCHA ATRÁS DE INTENSIDAD DE SONIDO AUTOREGLABLE SEGÚN EL RUIDO AMBIENTAL



SVAR 10÷100V
SVAR10100

(16) (21)

V ---	10÷100
mA	480÷50
dB (A) 1m	88 ▲ 110
Hz	2500 (±100)



Kg. 0,53

SVAR10100 52335

* I dati in dB sono relativi al prodotto alimentato con 24V CC - * The dB data refers to products supplied in 24V DC - * Les données en dB se réfèrent au produit alimenté en 24V CC - * Die dB Angaben beziehen sich auf das Produkt in 24V DC versorgt - * Los datos en dB se refieren al producto alimentado en 24V CC



PRODOTTI PER CARRELLI ELEVATORI

PRODUCTS FOR FORKLIFT TRUCKS / PRODUITS POUR CHARIOTS ELEVATEURS /
PRODUKTE FÜR HUB- UND GABELSTAPLER / PRODUCTOS PARA CARREILLAS ELEVADORAS

V 20 ÷ 100

IP 44

°C -30 +50

On ∞

FARO DI LAVORO CON SENSORE AUTOMATICO CREPUSCOLARE + CSW 20÷100V

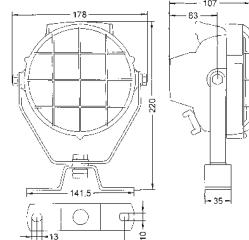


KIT FMA N
KITFMAN

(13) (18) (25) (31)

	V	20÷100
A	3.2÷0.6	
V out	12V dc	
P out	max 60 W	
Cd (p)	4000	

H3 12V 55W
LR H3 55W 12



Kg. 1,4

KITFMAND20100 28035
KITFMANP20100 28046

FARO DI LAVORO CON SENSORE AUTOMATICO CREPUSCOLARE + CSW 20÷100V + BASE DIN A + SPINOTTO R

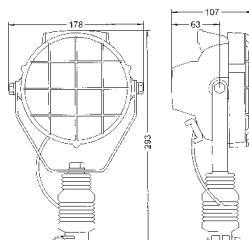


KIT FMA A
KITFMAA

(13) (18) (25) (27)

	V	20÷100
A	3.2÷0.6	
V out	12V dc	
P out	max 60 W	
Cd (p)	4000	

H3 12V 55W
LR H3 55W 12



Kg. 1,5

KITFMAAD20100 28036
KITFMAAP20100 28047

FARO DI LAVORO CON SENSORE AUTOMATICO CREPUSCOLARE + CSW 20÷100V + 1 MAGNETE + CSP SAC + CKM

WORK BEAM WITH TWILIGHT AUTOMATIC SENSOR + CSW 20÷100V + 1 MAGNET + CSP SAC + PLUG-IN SOCKET WITH CAP (CKM)
PHARE DE TRAVAIL AVEC CAPTEUR AUTOMATIQUE CREPUSCOLAIRE + CSW 20÷100V + 1 AIMANT + CSP SAC + PRISE AVEC COUVERCLE (CKM)
ARBEITSSCHEINWERFER MIT AUTOMATISCHEN DÄMMERUNGS-SENSOR + CSW 20÷100V + 1 MAGNET + CSP SAC + STECKVERBINDER MIT KAPPE (CKM)
FARO DE TRABAJO CON SENSOR AUTOMÁTICO CREPUSCULAR + CSW 20÷100V + 1 IMAN + CSP SAC + CONECTOR (CKM)



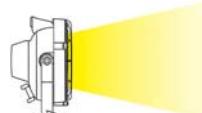
KIT FMA M
KITFMAM

(13) (18) (25) (26)

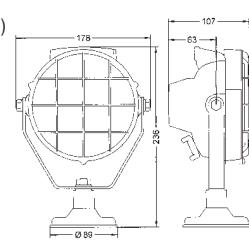
	V	20÷100
A	3.2÷0.6	
V out	12V dc	
P out	max 60 W	
Cd (p)	4000	

KITFMAADM20100 28037
KITFMAPM20100 28045

FDL D = LUCE DIFFUSA
DIFFUSED LIGHT - LUMIERE DIFFUSE -
FLUTLICHT - LUZ DIFUSA



FDL P = LUCE DI PROFONDITÀ
DEPTH LIGHT - LUMIERE DE PROFONDEUR -
FERNLICHT - LUZ DE PROFUNDIDAD



Kg. 1,7

V 20 ÷ 100 --- On ∞ IP 55 °C -30 +50

CONVERTITORE DI TENSIONE DC-DC / VOLTAGE CONVERTER DC-DC /

CONVERTISSEUR DE TENSION DC-DC / SPANNUNGSWANDLER DC-DC / CONVERTIDOR DE TENSIÓN DC-DC

CONVERTITORE SWITCHING

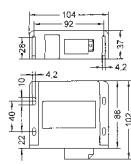
CONVERTER SWITCHING - CONVERTISSEUR SWITCHING
SPANNUNGSWANDLER SWITCHING - CONVERTIDOR SWITCHING

CSW 20/100V

16



	V	20÷100
A	3.2÷0.6	
V out	12 Vdc	
P out	max. 60 W	



Kg. 0,45

CSW20100 84596



FARI ORIENTABILI MANUALMENTE

SWIVEL LIGHT BEAMS – MANUAL ORIENTATION / PHARES ORIENTABLES AVEC ORIENTATION MANUELLE / SCHWENK UND DREHBARE SCHEINWERFER / FAROS ORIENTABLES CON ORIENTACIÓN MANUAL

V 12-24 ($\pm 10\%$)

IP 65

°C -30 +50

On ∞

FARO ORIENTABILE MANUALMENTE CON LUCE ALOGENA

HALOGEN SWIVEL LIGHT BEAM – MANUAL ORIENTATION
PHARE ORIENTABLE HALOGENE – ORIENTATION MANUELLE
SCHWENKBARER HALOGEN-SCHEINWERFER
FARO HALÓGENO CON ORIENTACIÓN MANUAL

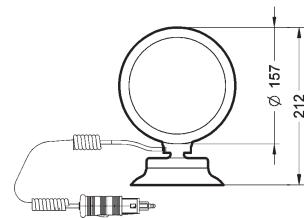
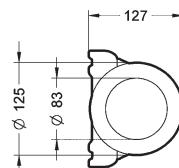


FO195H1MVD12D 30003
FO195H1MVD24D 29988

	V ---	12	24
	A	4.6	2.9
H1 12V 55W LR H 55W 12	Cd (p)	195.000	

FO 195 H1 MV
FO195H1MVD
FO195H1MVP

55 56



FO195H1MVP12D 30004
FO195H1MVP24D 30005



Kg. 1,24

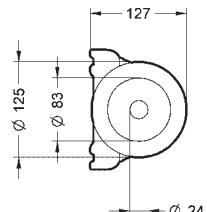


FO195H1BD12D 29976
FO195H1BD24D 29978

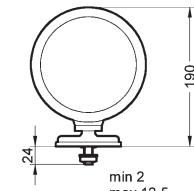
	V ---	12	24
	A	4.6	2.9
H1 12V 55W LR H 55W 12	Cd (p)	195.000	

FO 195 H1 B
FO195H1BD
FO195H1BP

55 57



FO195H1BP12D 29977
FO195H1BP24D 29989



Kg. 0,97



FARI ORIENTABILI MANUALMENTE

SWIVEL LIGHT BEAMS – MANUAL ORIENTATION / PHARES ORIENTABLES AVEC ORIENTATION MANUELLE / SCHWENK UND DREHBARE SCHEINWERFER / FAROS ORIENTABLES CON ORIENTACIÓN MANUAL

V 12 ÷ 24 ($\pm 10\%$)

IP 65

°C -30 +50

On ∞

FARO ORIENTABILE MANUALMENTE CON LUCE ALLO XENO

SWIVEL LIGHT BEAM WITH XENON LIGHT – MANUAL ORIENTATION

PHARE ORIENTABLE AVEC LUMIERE AU XENON – ORIENTATION MANUELLE

SCHWENKBARER SCHEINWERFER MIT XENON LICHT

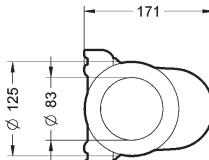
FARO ORIENTABLE CON LUZ DE XENÓN - ORIENTACIÓN MANUAL



FO230HIDMVD12/24D 29985

V ---	12÷24
A	3.3 | 1.65
Cd (p)	230.000

HID 35W
LR HID 35W

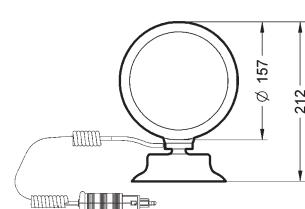


FO 230 HID MV
FO230HIDMVD
FO230HIDMVP

55 56



FO230HIDMVP12/24D 30006



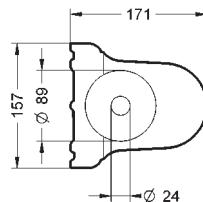
Kg. 1,77



FO230HIDBD12/24D 29970

V ---	12÷24
A	3.3 | 1.65
Cd (p)	230.000

HID 35W
LR HID 35W

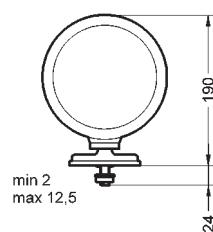


FO 230 HID B
FO230HIDBD
FO230HIDBP

55 57



FO230HIDBP12/24D 29987



Kg. 1,49

V 12-24 ($\pm 10\%$)

IP 44

°C -30 +50

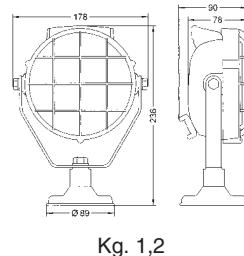
On 


	V ---	12	24	
A	4.6	2.9		FDL M/D
Cd (p)	4000	4000		FDL A/D
		26 °		FDL P/D

H3 12V 55W
H3 24V 70W

	V ---	12	24	
A	4.6	2.9		FDL M/P
Cd (p)	4000	4000		FDL A/P
		5 °		FDL P/P

H3 12V 55W
H3 24V 70W



Kg. 1,2

FARO DI LAVORO M

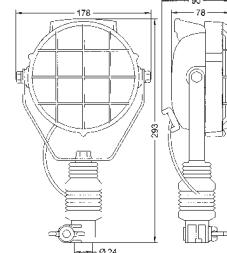
WORK BEAM M

PROJECTEUR DE TRAVAIL M

ARBEITSSCHEINWERFER M

FARO DE TRABAJO M

FDL M/D H
FDL M/P H
13 18 25 26

FDLMDH12D 28028 FDLMDH24D 28029
FDLMPH12D 28027 FDLMPH24D 28026


Kg. 0,9

FARO DI LAVORO A

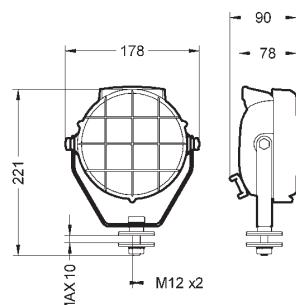
WORK BEAM A

PROJECTEUR DE TRAVAIL A

ARBEITSSCHEINWERFER A

FARO DE TRABAJO A

FDL A/D H
FDL A/P H
13 18 25 27

FDLADH12D 28019 FDLADH24D 28031
FDLAPH12D 28018 FDLAPH24D 28030


Kg. 0,76

FARO DI LAVORO P

WORK BEAM P

PROJECTEUR DE TRAVAIL P

ARBEITSSCHEINWERFER P

FARO DE TRABAJO P

FDL P/D H
FDL P/P H
13 18 25 40

FDLPH12D 29982 FDLPH24D 29983
FDLPPH12D 28048 FDLPPH24D 28044



FARI ORIENTABILI ELETTRICAMENTE

SWIVEL LIGHT BEAMS – ELECTRICALLY POWERED / PHARES ORIENTABLES AVEC ORIENTATION ELECTRIQUE / SCHWENKBARE SCHEINWERFER MIT FERNBEDIENUNG / FAROS ORIENTABLES CON ORIENTACIÓN ELÉCTRICA

V 12-24 ($\pm 10\%$)

IP 55

°C -30 +50

On ∞

/ 6 / PC HT

FARO ORIENTABILE CON COMANDO A DISTANZA VIA RADIO (FORC S) O VIA CAVO (FOTC S)

SWIVEL LIGHT BEAM OPERATED AT A DISTANCE BY A RADIO (FORC S) OR BY A CABLE (FOTC S)

PHARE ORIENTABLE AVEC COMMANDE A DISTANCE PAR RADIO (FORC S) OU PAR CABLE (FOTC S)

SCHWENKBARER SCHEINWERFER MIT FUNKFERNSTEERUNG (FORC S) ODER MIT BEDIENUNG DURCH KABEL (FOTC S)

FARO ORIENTABLE CON MANDO A DISTANCIA POR RADIO (FORC S) O POR CABLE (FOTC S)

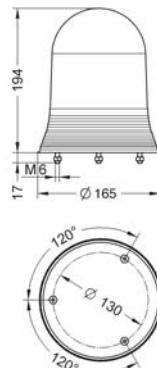


**FORC S B
FOTC S B**

(13) (65)

	V ---	12	24
H1 12V 55W	A	4.6	2.9
LR H 55W 12	Cd (p)	120.000	

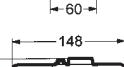
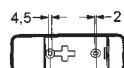
FORCSBDH55W12D	45000	FOTCSBDH55W12D	45008
FORCSBPH55W12D	45001	FOTCSBPH55W12D	45009
FORCSBDH70W24D	45002	FOTCSBDH70W24D	45010
FORCSBPH70W24D	45003	FOTCSBPH70W24D	45011



Kg. 1,10

RADIOCOMANDO (FORC)
REMOTE CONTROL BY RADIO (FORC)
RADIOCOMMANDE (FORC)
FUNKFERNSTEERUNG (FORC)
MANDO POR RADIO (FORC)

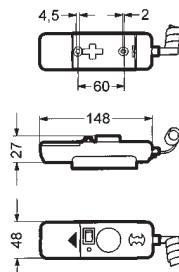
(50) (12)



Kg. 0,15

TELECOMANDO (FOTC)
REMOTE CONTROL BY WIRE (FOTC)
COMMANDÉ PAR CABLE (FOTC)
BEDIENUNG DURCH KABEL (FOTC)
MANDO POR CABLE (FOTC)

(50) (12)



Kg. 0,15



**FORC S A
FOTC S A**

(13)

FORCSADH55W12D	45012	FOTCSADH55W12D	45020
FORCSAPH55W12D	45013	FOTCSAPH55W12D	45021
FORCSADH70W24D	45014	FOTCSADH70W24D	45022
FORCSAPH70W24D	45015	FOTCSAPH70W24D	45023

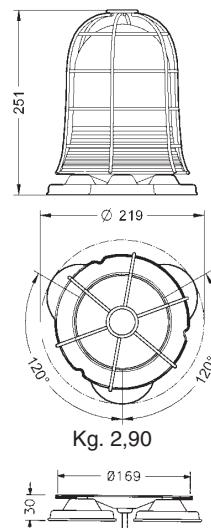
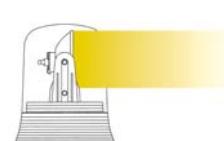


Kg. 0,95

D = LUCE DIFFUSA
DIFFUSED LIGHT - LUMIERE DIFFUSE -
FLUTLICHT - LUZ DIFUSA



P = LUCE DI PROFONDITÀ
DEPTH LIGHT - LUMIERE DE PROFONDEUR -
FERNLICHT - LUZ DE PROFUNDIDAD



Kg. 2,90



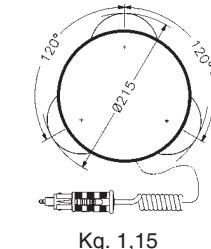
FORC S CON GRIGLIA
FORC S WITH GRID
FORC S AVEC GRILLE
FORC S MIT GITTER
FORC S CON REJILLA

BDFORC S M

(13) (65) (17)

	V ---	12	24
H1 12V 55W	A	4.6	2.9
LR H 55W 12	Cd (p)	120.000	

BDFORCSMDH55W12D	45032
BDFORCSMPH55W12D	45033
BDFORCSMDH70W24D	45034
BDFORCSMPH70W24D	45035



Kg. 1,15

B3M

B3M 83152



FARI ORIENTABILI ELETTRICAMENTE

SWIVEL LIGHT BEAMS – ELECTRICALLY POWERED / PHARES ORIENTABLES AVEC ORIENTATION ELECTRIQUE / SCHWENKBARE SCHEINWERFER MIT FERNBEDIENUNG / FAROS ORIENTABLES CON ORIENTACIÓN ELÉCTRICA

V 12-24 ($\pm 10\%$)	---	IP 67	$^{\circ}\text{C}$ -30 +50	On ∞	/ 6 / PC HT
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FARO RADIOCOMANDATO PER IMPIEGO MARINO

RADIO CONTROLLED WATERPROOF LIGHT BEAM FOR MARINE APPLICATION

PHARE RADIOPRÉCOMMANDE ÉTANCHE POUR EMPLOI MARITIME

WASSERDICHTER SCHEINWERFER MIT FUNKFERNSTEUERUNG FÜR DEN MARITIMEN BEREICH

FARO RADIOTELEDIRIGIDO ESTANCO PARA EMPLEO MARINO



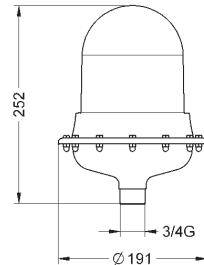
FORC INOX S

STFORC S

(10)

	V ---	12	24
H1 12V 55W LR H 55W 12	A	4.6	2.9
H1 24V 70W LR H 70W 24	Cd (p)	120.000	

STFORCSDH55W12D 45040
STFORCSPH55W12D 45041
STFORCSDH70W24D 45042
STFORCSPH70W24D 45043



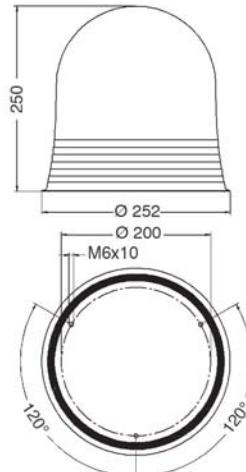
Kg. 2,26

V 12-24 ($\pm 10\%$)	---	IP 55	$^{\circ}\text{C}$ -30 +50	On ∞	/ 6 / PC HT
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	V ---	12	24
H1 12V 100W LR H 100W 12	A	6.6	3.3
H1 24V 100W LR H 100W 24	Cd (p)	195.000	

B2FORCSBDH100W12D 45048
B2FORCSBPH100W12D 45049
B2FORCSBDH100W24D 45050
B2FORCSBPH100W24D 45051
B2FOTCSBDH100W12D 45056
B2FOTCSBPH100W12D 45057
B2FOTCSBDH100W24D 45058
B2FOTCSBPH100W24D 45059



Kg. 2,30

B2 FORC S B H1 100W
B2FORC S B H 100W

65 66

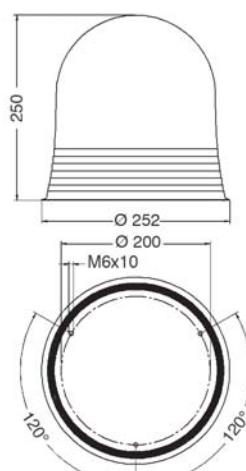
B2 FOTC S B H1 100W
B2FOTC S B H 100W

65 66



	V ---	12	24
HID 35W LR HID 35W	A	3.3	1.65
	Cd (p)	230.000	

B2FORCSBDHID12D 45060
B2FORCSBPHID12D 45061
B2FORCSBDHID24D 45062
B2FORCSBPHID24D 45063
B2FOTCSBDHID12D 45068
B2FOTCSBPHID12D 45069
B2FOTCSBDHID24D 45070
B2FOTCSBPHID24D 45071



Kg. 2,77

B2 FORC S B HID
B2FORC S B HID

65 66

B2 FOTC S B HID
B2FOTC S B HID

65 66



FARI DI RICERCA PORTATILI

PORTABLE SEARCH BEAMS / PHARES DE RECHERCHE PORTABLES / HANDScheinWERFER / FAROS DE BÚSQUEDA PORTÁTILES

V 12	Tensione di ricarica Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	---	IP 65	°C -30 +50
(Batt. Pb 12V 4500 mAh)			Tempo max. di ricarica Max. recharge time - Temps max. de recharge Max. Ladezeit - Tiempo máx. de recarga	240 min.

FARO DI RICERCA AUTOALIMENTATO PORTATILE CON LUCE ALOGENA E SEGNALATORE POSTERIORE A LED

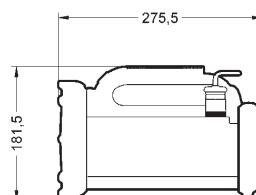
BATTERY OPERATED PORTABLE SEARCH BEAM WITH HALOGEN LIGHT AND REAR LED SIGNALLING INDICATOR
PHARE DE RECHERCHE AUTO-ALIMENTÉE, PORTABLE AVEC LUMIÈRE HALOGÈNE ET DISPOSITIF POSTERIOR A LEDS
AUTONOMER HANDScheinWERFER MIT HALOGEN-LICHT UND HINTEREM LED-WARNBLINKER
FARO DE BÚSQUEDA AUTOALIMENTADO PORTÁTIL CON LUZ HALÓGENA Y SEÑALADOR POSTERIOR DE LEDS



	V ---	12
Cd (p)	195.000	
H1 12V 55W LR H 55W 12	On	30 min.

	V ---	12
Cd (p)	65	
LED O	On	600 min.

BILIGHT D NERO 12D 76144
BILIGHT P NERO 12D 76145



Kg. 3,53

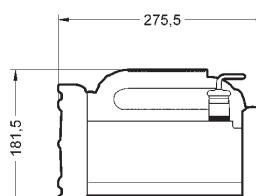
FARO DI RICERCA AUTOALIMENTATO PORTATILE CON LUCE ALOGENA

BATTERY OPERATED PORTABLE SEARCH BEAM WITH HALOGEN LIGHT
PHARE DE RECHERCHE AUTO-ALIMENTÉE, PORTABLE AVEC LUMIÈRE HALOGÈNE
AUTONOMER HANDScheinWERFER MIT HALOGEN-LICHT
FARO DE BÚSQUEDA AUTOALIMENTADO PORTÁTIL CON LUZ HALÓGENA



	V ---	12
Cd (p)	195.000	
H1 12V 55W LR H 55W 12	On	30 min.

FPH H1 D NERO 12D 76165
FPH H1 P NERO 12D 76166



Kg. 2,45

V 12	Tensione di ricarica Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	---	IP 65	°C -30 +50	
(Batt. Pb 12V 4500 mAh)			Tempo max. di ricarica Max. recharge time - Temps max. de recharge Max. Ladezeit - Tiempo máx. de recarga	240 min.	

FARO DI RICERCA AUTOALIMENTATO PORTATILE CON LUCE ALOGENA E SIRENA

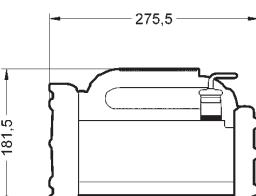
BATTERY OPERATED PORTABLE SEARCH BEAM WITH HALOGEN LIGHT AND SIREN
PHARE DE RECHERCHE AUTO-ALIMENTÉE, PORTABLE AVEC LUMIÈRE HALOGÈNE ET SIRENE
AUTONOMER HANDScheinWERFER MIT HALOGEN-LICHT UND SIRENE
FARO DE BÚSQUEDA AUTOALIMENTADO PORTÁTIL CON LUZ HALÓGENA Y SIRENA



	V ---	12
Cd (p)	195.000	
H1 12V 55W LR H 55W 12	On	30 min.

	V ---	12
dB(A)1m	107/110	
Hz	2650/2950	

FPHS H1 D NERO 12D 76154
FPHS H1 P NERO 12D 76155



Kg. 2,54



Cinghia per tracolla ad aggancio rapido con chiusura a strozzo in dotazione

Quick clip on shoulder strap with blocking closure supplied

Fourni avec courroie en bandoulière à accrochage rapide avec fermeture bloquée

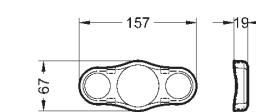
Schnellanklickbarer Tragriemen mit Festverschluss im Lieferumfang

Suministrado con correa en bandolera a enganche rápido con cierre bloqueado



BM 3ND

BM 3ND 72473



Kg. 0,36

Altri colori disponibili a richiesta - Other colours available on request -

D'autres couleurs disponibles sur demande - Andere Farben auf Anfrage lieferbar - Otros colores disponibles bajo petición



DISPOSITIVO DI SEGNALAZIONE LUMINOSA A LED AUTOALIMENTATI

BATTERY OPERATED LED LUMINOUS WARNING DEVICE / DISPOSITIF DE SIGNALISATION LUMINEUSE A LED'S AUTO-ALIMENTÉ / AUTONOMES LED-SIGNALGERÄT / DISPOSITIVO DE SEÑALIZACIÓN LUMINOSA DE LED'S AUTOALIMENTADO

V 12 ÷ 24	Tensione di ricarica Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	IP 66	°C -40 +55
(Batt. Ni-MH 6V 1600 mAh)	Tempo max. di ricarica Max. recharge time - Temps. max. de recharge Max. Ladezeit - Tiempo máx. de recarga	180 min.	1 2 3 4 PC

DISPOSITIVO PER SEGNALAZIONE EMERGENZA STRADALE - LUCE LAMPEGGIANTE E FISSA

FLASHING AND CONTINUOUS LIGHT WARNING DEVICE FOR EMERGENCY ROAD SIGNALLING

DISPOSITIF CLIGNOTANT ET A LUMIERE FIXE POUR SIGNALISATIONS ROUTIERES D'URGENCE

SIGNALGERÄT FÜR DIE STRASSENNOTSIGNALISIERUNG - BLINK- UND DAUERLICHT

DISPOSITIVO DE LUZ INTERMITENTE O FIJA PARA SEÑALIZACIONES DE EMERGENCIA DE CARRETERA

CONFORME - ACCORDING TO - SELON - NACH - SEGÚN

UNI EN 12352 M1/M3-T2-L1-L3-F1-F3-O2-C

(rosso-giallo 1) - (red-yellow 1) - (rouge-jaune 1) - (rot-gelb 1) - (rojo-amarillo 1)



BMX AA
BMXAA

58 59



74797

V ---	12 ÷ 24
mA	600 | 300
LED ● Cd (p)	30
LED ○ Cd (p)	25
LED ● Cd (p)	30
LED ○ Cd (p)	50
On ⚡	12 h
On ○	8 h

MODULO PER RICARICA BMX AA

BMX AA RECHARGE MODULAR SUPPORT
SUPPORT MODULAIRE DE RECHARGE BMX AA
BMX AA LADEMODUL
SOPORTE MODULAR PARA RECARGA BMX AA

12



+



+



=



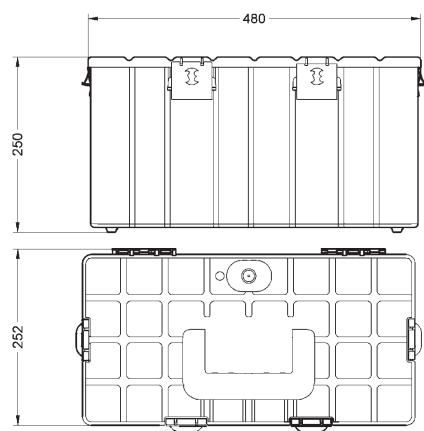
● 74801 ○ 74794
● 74793 ○ 74795
● 74808

ADACONOBMX 74807



BOX VUOTO P6
P6 EMPTY BOX
BOITIER A VALISE P6 VIDE
LEERER P6 BOX-KOFFER
CAJA DE TIPO MALETA P6 VACÍA

74798

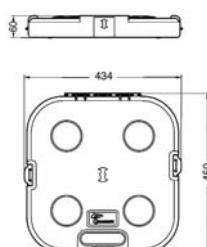


Kg. 1,54



BOX VUOTO V4
V4 EMPTY BOX
BOITIER A VALISE V4 VIDE
LEERER V4 BOX-KOFFER
CAJA DE TIPO MALETA V4 VACÍA

74799



Kg. 1,30

Disponibile anche BOX G10 COMPACT per configurazioni speciali con un numero maggiore di componenti

A G10 COMPACT BOX is available for special configurations containing a greater number of components

Disponible aussi BOX G10 COMPACT pour configurations spéciales avec un numéro majeur de composants

BOX G10 COMPACT für Sonderkonfigurationen mit höherer Komponentenanzahl auch lieferbar

Disponible también BOX G10 COMPACT para configuraciones especiales con un numero mayor de componentes

Cavi di ricarica disponibili a richiesta

Recharge cables available on request - Câbles de recharge disponibles sur demande - Ladekabel auf Anfrage lieferbar - Cables de recarga disponibles bajo demanda



DISPOSITIVO DI SEGNALAZIONE LUMINOSA A LED AUTOALIMENTATO

BATTERY OPERATED LED LUMINOUS WARNING DEVICE / DISPOSITIF DE SIGNALISATION LUMINEUSE A LED'S AUTO-ALIMENTE / AUTONOMES LED-SIGNALGERÄT / DISPOSITIVO DE SEÑALIZACIÓN LUMINOSA DE LED'S AUTOALIMENTADO

V 12 ÷ 24	Tensione di ricarica Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	---	IP 66	°C -30 +50
(Batt. Ni-MH 6V 4000 mAh)	Tempo max. di ricarica Max. recharge time - Temps max. de recharge Max. Ladezeit - Tiempo máx. de recarga	240 min.		PC

TORCIA ELETTRONICA PER SEGNALAZIONE EMERGENZA STRADALE LUCE LAMPEGGIANTE E FISSA

ELECTRONIC TORCH FOR EMERGENCY ROAD SIGNALLING - FLASHING AND CONTINUOUS LIGHT
TORCHE ELECTRONIQUE POUR SIGNALISATIONS ROUTIERES D'URGENCE - LUMIERE FIXE ET CLIGNOTANTE
ELEKTRONISCHE LED-STABLEUCHTE FÜR DIE STRASSENNOTSIGNALISIERUNG - BLINK- UND DAUERLICHT
LINTERNA ELECTRÓNICA PARA SEÑALIZACIONES DE EMERGENCIA DE CARRETERA - LUZ FIJA Y INTERMITENTE



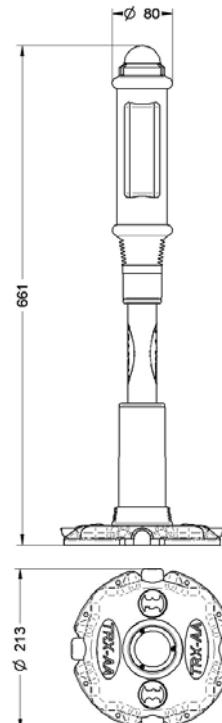
TRX AA
TRXAA
⑥0 ⑥1

V ---	12 ÷ 24
A	1.1 0.6
LED ●	Cd (p) 25
LED ○	Cd (p) 40
LED ●	Cd (p) 35
LED ○	Cd (p) 60
On ⚡	12 h
On ○	8 h

⚡ = luce lampeggiante
flashing light - lumière clignotante -
Blinklicht - luz intermitente

○ = luce fissa
continuous light - lumière fixe
Dauerlicht - luz fija

TRXAA12/24D1 74802
TRXAA12/24D2 74803
TRXAA12/24D3 74598
TRXAA12/24D4 74804



Kg. 2,9

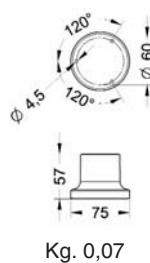


74800

MODULO PER RICARICA TRX AA

TRX AA RECHARGE MODULAR SUPPORT
SUPPORT MODULAIRE DE RECHARGE TRX AA
TRX AA LADEMODUL
SOPORTE MODULAR PARA RECARGA TRX AA

④7



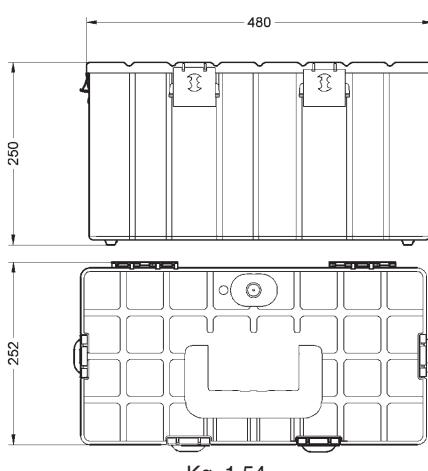
Kg. 0,07



74798

BOX VUOTO P6

P6 EMPTY BOX
BOITIER A VALISE P6 VIDE
LEERER P6 BOX-KOFFER
CAJA DE TIPO MALETA P6 VACÍA



Kg. 1,54

Cavi di ricarica disponibili a richiesta

Recharge cables available on request - Câbles de recharge disponibles sur demande - Ladekabel auf Anfrage lieferbar - Cables de recarga disponibles bajo demanda



DISPOSITIVO DI ILLUMINAZIONE A LED AUTOALIMENTATO

BATTERY OPERATED LED LIGHTING DEVICE / DISPOSITIF D'ILLUMINATION A LED AUTO-ALIMENTE / AUTONOME LED-STABLAMPE / DISPOSITIVO DE ILUMINACIÓN DE LED'S AUTOALIMENTADO

V 12 ÷ 24	Tensione di ricarica Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga		IP 65	°C -40 +50
(Batt. Ni-MH 6V 1600 mAh)			Tempo max. di ricarica Max. recharge time - Temps max. de recharge Max. Ladezeit - Tiempo máx. de recarga	270 min.

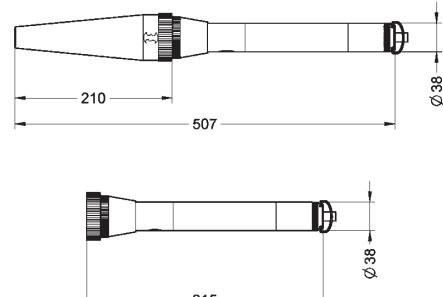
ILLUMINATORE A LED AUTOALIMENTATO

BATTERY OPERATED LED TORCH
TORCHE A LED AUTO-ALIMENTEE
AUTONOME LED-TASCHENLAMPE
ALUMBRADOR DE LED'S AUTOALIMENTADO



V --	12÷24
mA	500 | 250
Cd (p)	1000
On	3 h

PLXAA12/24D 74599



PLX AA
PLXAA

62 63 64

Kg. 0,60



● 74793 ● 74794 ● 74795 ● 74801 ● 74808

Coni colorati a richiesta:

Coloured signalling diffusers available on request:
Diffuseurs colorés disponibles sur demande:
Farbige Kegel auf Anfrage lieferbar:
Conos difusores coloreados bajo demanda:

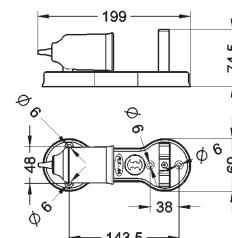


74796

MODULO PER RICARICA PLX AA

PLX AA RECHARGE MODULAR SUPPORT
SUPPORT MODULAIRE DE RECHARGE PLX AA
PLX AA LADEMODUL
SOPORTE MODULAR PARA RECARGA PLX AA

11



Kg. 0,14

Cavi di ricarica disponibili a richiesta

Recharge cables available on request - Câbles de recharge disponibles sur demande - Ladekabel auf Anfrage lieferbar - Cables de recarga disponibles bajo demanda



DISPOSITIVI DI ILLUMINAZIONE A LED

LED LIGHTING DEVICES / DISPOSITIFS D'ILLUMINATION A LED / LED-STABLAMPEN / DISPOSITIVOS DE ILUMINACIÓN DE LED'S

ILLUMINATORE A LED CON NORMALI BATTERIE NON RICARICABILI (PLX)

MINI ILLUMINATORE A LED CON NORMALI BATTERIE NON RICARICABILI (MICRO PLX)

LED TORCH WITH STANDARD NON-RECHARGEABLE BATTERIES (PLX) - LED MINI TORCH WITH STANDARD NON-RECHARGEABLE BATTERIES (MICRO PLX)

TORCHE A LED AVEC BATTERIES NORMALES PAS RECHARGEABLES (PLX) - MINITORCHE A LED AVEC BATTERIES NORMALES PAS RECHARGEABLES (MICRO PLX)

LED-STABLAMPE MIT STANDARD NICHT LADBAREN BATTERIEN (PLX) - MINI LED-STABLAMPE MIT STANDARD NICHT LADBAREN BATTERIEN (MICRO PLX)

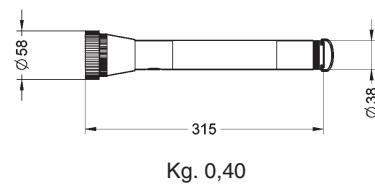
ALUMBRADOR DE LED'S CON NORMALES BATERIAS NO RECARGABLES (PLX) - MINI ALUMBRADOR DE LED'S CON NORMALES BATERIAS NO RECARGABLES (MICRO PLX)

N° 3 Batt. Alcaline Size D 1.5V		IP 65	°C -40 +50	Autonomia Duration - Autonomie Autonomie - Autonomía	180 min.
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V---	N° 3 Batt. Alcaline Size D 1.5V
Cd (p)	1000
On	3 h

PLX 74806

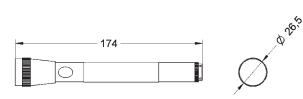


N° 2 Batt. Alkaline Size AA 1.5V		IP 65	°C -40 +50	Autonomia Duration - Autonomie Autonomie - Autonomía	12 h
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V---	N° 2 Batt. Alkaline Size AA 1.5V
Cd (p)	40
On	12 h

MICRO PLX 74595



CAVI DI RICARICA PER BMX AA - TRX AA - PLX AA

RECHARGE CABLES FOR BMX AA - TRX AA - PLX AA / CABLES DE RECHARGE POUR BMX AA - TRX AA - PLX AA /
LADUNGSKABEL FÜR BMX AA - TRX AA - PLX AA / CABLES DE RECARGA PARA BMX AA - TRX AA - PLX AA



AR 1 CRB - AR 3 CRB - AR G10/2 - AR G10/3

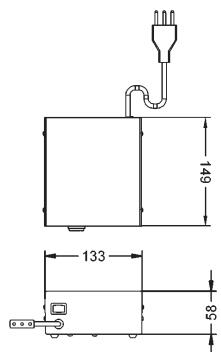
ALIMENTATORI DA RETE

MAINS FEEDERS

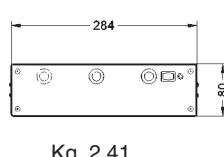
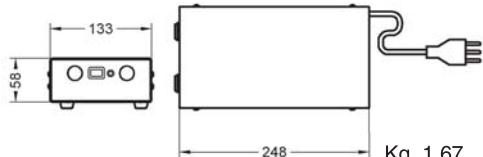
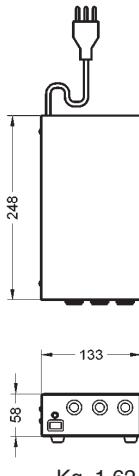
ALIMENTATIONS SECTEUR

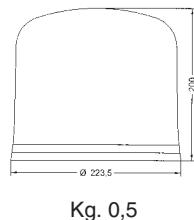
NETZSPEISUNGEN

ALIMENTADORES DESDE RED

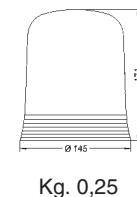


• INPUT: 230V ac 50Hz • OUTPUT: 12V dc

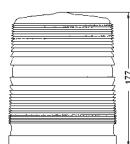


**CR LUX**

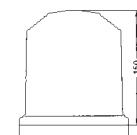
Kg. 0,5

 CRB2LUX1R 71122 CRB2LUX4R 71125
 CRB2LUX2R 71120 CRB2LUX5R 71129
 CRB2LUX3R 71096 CRB2LUX6R 71128
**CR AT/R5**
 CRATR51 71221
 CRATR52 71222
 CRATR53 71223
 CRATR54 71224
 CRATR55 71225
 CRATR56 71226


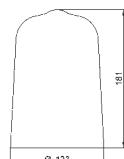
Kg. 0,25

**CR STF 2J-6J-15J-20J**
STL-STL AG
STR AG ARA
 CRSTF2-6J1 71337
 CRSTF2-6J2 71336
 CRSTF2-6J3 71338
 CRSTF2-6J4 71345
 CRSTF2-6J5 71335
 CRSTF2-6J6 71339
 CRSTF15-20J1 71386
 CRSTF15-20J2 71385
 CRSTF15-20J3 71388
 CRSTF15-20J4 71389
 CRSTF15-20J5 71383
 CRSTF15-20J6 71387


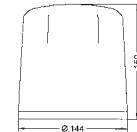
Kg. 0,42

**CR AT/F6**
 CRFT6ATF61 73540
 CRFT6ATF62 73537
 CRFT6ATF63 73539
 CRFT6ATF64 73538
 CRFT6ATF65 73541
 CRFT6ATF66 73531


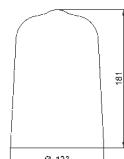
Kg. 0,21

**CR RA / BD RA**
 CRRAL1 71306
 CRRAL2 71305
 CRRAL3 71308
 CRRAL4L 71309
 CRRAL5L 71331
 CRRAL6L 71307
 CRRAL7L 71390
 CRRAL3R 71374
 CRRAL5R 71373


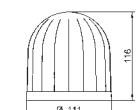
Kg. 0,22

**CR AT/M7**
 CRMAGATM71 71132
 CRMAGATM72 71131
 CRMAGATM73 71133
 CRMAGATM74 71134
 CRMAGATM75 71187


Kg. 0,23

**CR LA / BD LA**
LA XFR / RA
 CRLA1 71301
 CRLA2 71300
 CRLA3 71303
 CRLA4 71304
 CRLA5 71330
 CRLA6 71302


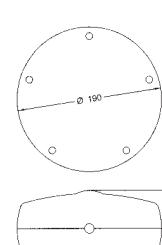
Kg. 0,22

**CR BABYR**
BABYL
BABYF
BABYX
 CRBABY1 26991
 CRBABY2 26992
 CRBABY3 26993
 CRBABY4 26994
 CRBABY5 26995
 CRBABY6 26996


Kg. 0,12

**CR PG/R-PG/R/TOR**
PG/L-PG/F-PG/X
AT/A8
 CRPGATA8PC1 71166
 CRPGATA8PC2 71167
 CRPGATA8PC3 71168
 CRPGATA8PC4 71169
 CRPGATA8PC5 71172
 CRPGATA8PC6 71173


Kg. 0,22

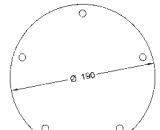
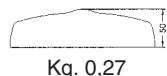
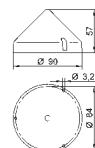
**CR FRL - FRX**
 CRFRL1 71326
 CRFRL2 71325
 CRFRL3 71328
 CRFRL4 71329
 CRFRL5 71293
 CRFRL6 71327


Kg. 0,54



SPARE PARTS / PIECES DE RECHANGE / ERSATZTEILE / REPUESTOS

CUPOLE PC - PC DOMES - DOMES PC - HAUBEN AUS PC - CÚPULAS PC

CR BD FTF
BD FTLCRBDFTF1 71361 CRBDFTF4 71364
CRBDFTF2 71360 CRBDFTF5 71367
CRBDFTF3 71363 CRBDFTF6 71362CR CTL -
A - X - XA 900CRCTL9001 71196 CRCTL9004 71199
CRCTL9002 71197 CRCTL9005 71200
CRCTL9003 71198 CRCTL9006 71201

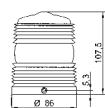
Kg. 0,052

CR MAF / MXF
BDF / BDLCRMAF1 71321
CRMAF2 71320
CRMAF3 71323
CRMAF4 71324
CRMAF5 71334
CRMAF6 71322

Kg. 0,21



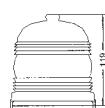
CR MF / XF

CRMF1 71318
CRMF2 71315
CRMF3 71316
CRMF4 71319
CRMF5 71333
CRMF6 71317

Kg. 0,14



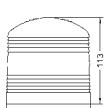
CR LTC / LCA 88

CRLCA883 71241
CRLCA884 71240
CRLTC1 71295
CRLTC2 71294
CRLTC3 71298
CRLTC4 71299
CRLTC5 71296
CRLTC6 71297

Kg. 0,25



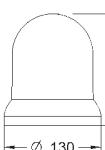
CR FLASH ELEV

CRFLASHEL2 71145
CRFLASHEL6 71146

Kg. 0,2



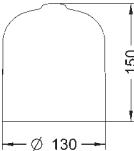
CR LR 932

CRLR93LR932PMMA1 72584
CRLR93LR932PMMA2 72580
CRLR93LR932PMMA3 72586
CRLR93LR932PMMA4 72582
CRLR93LR932PMMA5 72588
CRLR93LR932PMMA6 72589

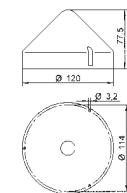
Kg. 0,13



CR GF 931

CRGF8.8GF931PMMA1 71154
CRGF8.8GF931PMMA2 71150
CRGF8.8GF931PMMA3 71155
CRGF8.8GF931PMMA4 71156
CRGF8.8GF931PMMA5 71152
CRGF8.8GF931PMMA6 71158

Kg. 0,16

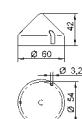
CR CTL -
A - X - XA 1200CRCTL12001 71090
CRCTL12002 71091
CRCTL12003 71092
CRCTL12004 71093
CRCTL12005 71094
CRCTL12006 71095

Kg. 0,06

CR CTL -
A - X - XA 900CRCTL9001 71196 CRCTL9004 71199
CRCTL9002 71197 CRCTL9005 71200
CRCTL9003 71198 CRCTL9006 71201

Kg. 0,052

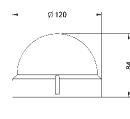
CR CTL - A 600

CRCTL6001 71190 CRCTL6004 71193
CRCTL6002 71191 CRCTL6005 71194
CRCTL6003 71192 CRCTL6006 71195

Kg. 0,018



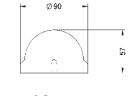
CR SMFR 12.3/12.2

CRSMFR12.32 69672
CRSMFR12.33 69673
CRSMFR12.34 69674

Kg. 0,098



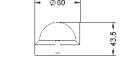
CR SMFR 9.3/9.2

CRSMFR9.32 69662
CRSMFR9.33 69663
CRSMFR9.34 69664

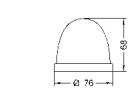
Kg. 0,044



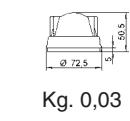
CR SMFR 6.3/6.2

CRSMFR6.32 69652
CRSMFR6.33 69653
CRSMFR6.34 69654

Kg. 0,018

CR OVO / SLEM L /
SLEM F / SLEM X /CROVO1 71115 CROVO4 71098
CROVO2 71116 CROVO5 71099
CROVO3 71117 CROVO6 71100

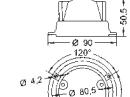
Kg. 0,04

CR ML / ML A /
SIRL / SIRLAT /
SIRLX / SIRLXAT
MXL / MXL ACRML1 71311 CRML4 71314
CRML2 71310 CRML5 71332
CRML3 71313 CRML6 71312

Kg. 0,03



CR ML R / MXL R

CRMLMLXR1 71231 CRMLMLXR4 71234
CRMLMLXR2 71232 CRMLMLXR5 71235
CRMLMLXR3 71233 CRMLMLXR6 71236

Kg. 0,04

**LR BA 9s**

LRBA9S10W12	72761	BABYROT
LRBA9S10W24	72762	
LRBA9S10W48	72763	
LRBA9S10W110	72764	
LRBA9S10W230	72765	
LRBA9S10W240	72766	

**LR BA 15s**

LRBA15S21W12	71604	ROTALLARM AUTOALIMENTATO
LRBA15S21W24	71605	LAMPALLARM FRESNEL AUTOAL.



LRBA15S45W12	71600	ROTALLARM
LRBA15S45W24	71601	ROTALLARM STAGNO
LRBA15S45W48	71606	PG/R/AGR
		BLINDOLAMP
		BLINDOFLATLAMP
		FAROLAMP
		STROBOLAMP

**LR E14**

LRE14S40W110	71615	BLINDOLAMP
LRE14S40W230	71616	BLINDOFLATLAMP
LRE14S40W240	71617	FAROLAMP/STROBOLAMP



LRE14T25W5048	71663	ROTALLARM
LRE14T25W110	71625	ROTALLARM STAGNO
LRE14T25W230	71623	PG/R/AGR
LRE14T25W240	71640	

**LR BA 15d**

LRBA15DT25W24	72768	GF 931
LRBA15DT25W110	72770	LR 932
LRBA15DT25W240	72772	

Scatola singola

Single box - Boîte individuelle - Einzelschachtel - Caja individual



25PZBA15D5W12	27780	OVOLUX
25PZBA15D5W24	27781	CTL 600
25PZBA15D5W48	27782	MICROLAMP
25PZBA15D5W130	27783	SIRLAMP
25PZBA15D5W240	27784	SLEM

Scatola 25 pz.

25 pc. box - Boîte de 25 pièces

Schachtel à 25 Leuchtmittel - Caja de 25 unidades



25PZBA15D10W12	27785	OVOLUX
25PZBA15D10W24	27786	CTL 900
25PZBA15D10W48	27787	SMFR 9.3
25PZBA15D10W130	27788	SMFR 9.2
25PZBA15D10W240	27789	

Scatola 25 pz.

25 pc. box - Boîte de 25 pièces

Schachtel à 25 Leuchtmittel - Caja de 25 unidades

LR BA 15d

BA15D5W1X2512	70970
BA15D5W1X2524	70971
BA15D5W1X2548	70972
BA15D5W1X25130	70973
BA15D5W1X25240	70974

Scatola 1x25 pz.

1x25 pc. box - Boîte 1x25 pièces

Schachtel 1x25 St. - Caja 1x25 unidades



BA15D10W1X2512	70975
BA15D10W1X2524	70976
BA15D10W1X2548	70977
BA15D10W1X25130	70978
BA15D10W1X25240	70979

Scatola 1x25 pz.

1x25 pc. box - Boîte 1x25 pièces

Schachtel 1x25 St. - Caja 1x25 unidades



LRBA15D5W12	70941
LRBA15D5W24	70942
LRBA15D5W48	70943
LRBA15D5W130	70944
LRBA15D5W240	70945

Scatola singola

Single box - Boîte individuelle

Einzelnschachtel - Caja individual



LRBA15D10W12	70946
LRBA15D10W24	70947
LRBA15D10W48	70948
LRBA15D10W130	70949
LRBA15D10W240	70950

Scatola singola

Single box - Boîte individuelle - Einzelnschachtel - Caja individual



12PZBA15D25W12	72773
12PZBA15D25W24	72774
12PZBA15D25W48	72775
12PZBA15D25W130	72776
12PZBA15D25W240	72777

Scatola 12 pz.

12 pc. box - Boîte de 12 pièces

Schachtel à 12 Leuchtmittel - Caja de 12 unidades



12PZBA15D40W12	72745
12PZBA15D40W24	72746
12PZBA15D40W48	72747
12PZBA15D40W130	72748
12PZBA15D40W240	72749

Scatola 12 pz.

12 pc. box - Boîte de 12 pièces

Schachtel à 12 Leuchtmittel - Caja de 12 unidades



BA15D25W1X1212	70980
BA15D25W1X1224	70981
BA15D25W1X1248	70982
BA15D25W1X1230	70983
BA15D25W1X1240	70984

Scatola 1x12 pz.

1x12 pc. box - Boîte 1x12 pièces

Schachtel 1x12 St. - Caja 1x12 unidades



BA15D40W1X1212	70985
BA15D40W1X1224	70986
BA15D40W1X1248	70987
BA15D40W1X1230	70988
BA15D40W1X1240	70989

Scatola 1x12 pz.

1x12 pc. box - Boîte 1x12 pièces

Schachtel 1x12 St. - Caja 1x12 unidades



LRBA15D25W12	70951
LRBA15D25W24	70952
LRBA15D25W48	70953
LRBA15D25W130	70954
LRBA15D25W240	70955

Scatola singola

Single box - Boîte individuelle

Einzelnschachtel - Caja individual



LRBA15D40W12	70956
LRBA15D40W24	70957
LRBA15D40W48	70958
LRBA15D40W130	70959
LRBA15D40W240	70960

Scatola singola

Single box - Boîte individuelle

Einzelnschachtel - Caja individual



LR E27

LRE27100W230	27798	2 STR AG ARA
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LR H3

LRH355W12	71598	KIT FMA
LRH370W24	71599	FARO LAVORO



LR H BA 9s

LRHBA9S20W12	72786	BABYROT H 110V/230V
LRHBA9S20W24	72787	BABYROT H 24V



LR H BA 15d

LRHBA15D75W230	27799	LAMPOLUX H
		1 STR AG ARA



LR PAR 36

FAROPAR3612	71654	BLINDOFARO
FAROPAR3624	71655	



LR H1

LRH155W12	71602	ROTALLARM H1
LRH170W24	71603	ROTALLARM STAGNO H1
AT/A8 H1		
AT/R5 H1		
AT/F6 H1		
AT/M7 H1		
PG/R/AGR H1		
PG/TOR/AGR H1		
ROTOFLUX H		
PG/AGR/L H1		
MINIFLASH H1		
MAXIFLASH H1		
LAMPALLARM FRESNEL H1		
LAMPALL.FRESNEL STAGNO		
BLINDOLAMP H1		
BLINDOFLATLAMP H1		
FAROLAMP H1		
STROBOLAMP H1		
LAMPOLUX H		
FORC S		
FOTC S		
FO195 H1		
BILIGHT		
FPHS H1		
FPH H1		
LRH100W12	72794	B2 FORC S H1 100W
LRH100W24	72795	B2 FOTC S H1 100W



LR XENO 1J

LRX1J	70912	MICROXENOLAMP CTL X 900 SIRLAMP FLASH ELEV SMFR 9.3X SMFR 9.2X
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LR XENO 16J

LRX15-20J	71638	STROBO 1SEV AA STROBOLUX 15-20J STROBOFLASH 15-20J
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LR XENO 2J

LRX2J	71634	OVLUX CTL X 1200 XENOFETCH MAXIXENOFETCH PG/X/AGR STROBOFLASH FAROLAMP XENO BLINDOFLATFLASH BLINDOFLASH LAMPALLARM XENOFRESNEL BLINDOFLASH AUTOALIMENTATO
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LR XENO 3-9J

LRX39J14F	72788	BABYFLASH LAMPALLARM XENOFRESNEL
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LR XENO 6J

LRX6J1F	71639	CTL X 1200 MAXIXENOFETCH PG/X/AGR STROBOFLASH FAROLAMP XENO BLINDOFLATFLASH BLINDOFLASH LAMPALLARM XENOFRESNEL STROBOFLASH AUTOALIMENTATO SMFR 12.3X SMFR 12.2X
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LR HID

LRHID230	70939	FO 230 HID B2 FORC S HID B2 FOTC S HID
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ACCESSORI

ACCESSORIES / ACCESSOIRES / ZUBEHÖR / ACCESORIOS



BASE P per:

P BASE for: - EMBASE P pour: -
SOCKEL P für: - BASE P para:

ML / MXL

(6)

BPMLMXL 83066



Kg. 0,10



BASE E per:

E BASE for: - EMBASE E pour: -
SOCKEL E für: - BASE E para:

ML / MXL

(6)

BEMLMXL 83067



Kg. 0,085

Per ordinare l'opzione nera vedere codici su listino in vigore

Black option available on request - Couleur noire disponible sur demande

Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

BASE A PALO

SINGLE BOLT MOUNT

FIXATION A BOULON SIMPLE

BEFESTIGUNG MIT GEWINDEROHRSTUTZEN

FIJACIÓN DE TORNILLO



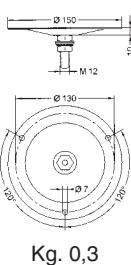
BAP per:

BAP for: - BAP pour:
BAP für: - BAP para:

RA / LA

(9)

BAP 83098



Kg. 0,3

BASE PARETE

WALL MOUNT

EMBASE POUR FIXATION MURALE

SOCKEL FÜR WANDMONTAGE

BASE DE PARED



BP per versioni: BASE B - BASE N

BP for versions:
B BASE - N BASE

BP pour versions:
EMBASE B - EMBASE N

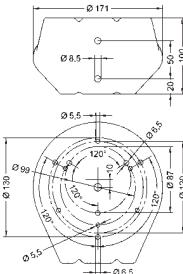
BP für Ausführungen:
SOCKEL B - SOCKEL N

BP para versiones:
BAÑE B - BASE N

(8)

BP 72692

BP ● 71872



Kg. 0,2

ATTACCO A GHIANDA

TUBE MOUNT

SUPPORT TUBULAIRE

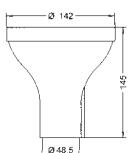
ROHRSTUTZENSOCKEL

FIJACIÓN DE TUBO



AG

(7)



Kg. 0,43

AGRALA 83005
AGSTF 83055

SUPPORTO A PARETE

WALL SUPPORT

SUPPORT MURAL

WANDHALTERUNG

SOPORTE DE PARED



SAP per:

SAP for:

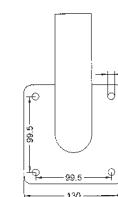
SAP pour:

SAP für:

SAP para:

AG

(30)



Kg. 1,0

SAP48 83019

SUPPORTO ANGOLO

ANGLE SUPPORT

SUPPORT ANGLE

WANDHALTERUNG FÜR ECKEN

SOPORTE ANGULAR



SA per:

SA for:

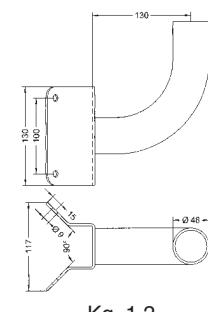
SA pour:

SA für:

SA para:

AG

(30)



Kg. 1,2

SA48 83018

GRIGLIA

GRID

GRILLE

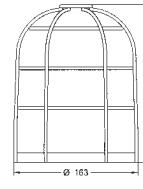
GITTER

REJILLA



GR STF/STL

(17)



Kg. 0,36

GRSTF 71693

GRIGLIA

GRID

GRILLE

GITTER

REJILLA



GR RA/LA AL B1

(17)



Kg. 0,36

GRRA 71689
GRLA 71690

ACCESSORI

ACCESSORIES / ACCESSOIRES / ZUBEHÖR / ACCESORIOS

ADATTATORE FEMMINA - FEMMINA

FEMALE-FEMALE ADAPTER / ADAPTATEUR FEMELLE-FEMELLE/
PASS-STÜCK (INNENGEWINDE) / ADAPTADOR HEMBRA-HEMBRA



(13)

TWS AFF per - for - pour - für - para:
OVOLUX



Kg. 0,01

TWSAFF 27697

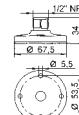
BASETTA - con O-Ring e guarnizione di base

FOOT - with O-Ring and base gasket / SOCLE – avec joint torique et joint de base/
FUSS – mit O-Ring und Sockeldichtung / PIE – con OR y junta de base



(13)

TWS BS per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX



Kg. 0,03

TWSBS 27760

PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili

EXTENSION STEM (h. 10 cm. – stackable) – with O-Ring and two removable snap-shut stoppers

RALLONGE (h. 10 cm. – superposable) – avec joint torique et deux bouchons à déclenchement amovibles

VERLÄNGERUNG (h. 10 cm. – übereinanderlegbar) – mit O-Ring und zwei abnehmbaren Schnapp-Füllstücken

PROLONGADOR (h. 10 cm. – sobreponible) – con OR y dos taponcitos a saltos amovibles



(13)

TWS PR per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX



Kg. 0,03

TWSPR 27761

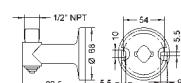
BASE A PARETE 1 FILETTO - con O-Ring e guarnizione di base

1 THREAD WALL SUPPORT – with O-Ring and base gasket / SUPPORT MURAL A 1 FILET – avec joint torique et joint de base/
1-GEWINDE-WANDHALTERUNG – mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 1 ROSCA – con OR y junta de base



(13)

TWS BP1 per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX



Kg. 0,04

TWSBP1 27762

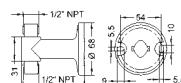
BASE A PARETE 2 FILETTI - con O-Ring e guarnizione di base

2 THREAD WALL SUPPORT – with O-Ring and base gasket / SUPPORT MURAL A 2 FILETS – avec joint torique et joint de base /
2-GEWINDE-WANDHALTERUNG – mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 2 ROSCAS – con OR y junta de base



(13)

TWS BP2 per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX



Kg. 0,05

TWSBP2 27763

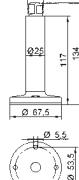
1 PR + 1 BS - con O-Ring, guarnizione di base e due guance a scatto amovibili

1 PR + 1 BS – with O-Ring, base gasket and two removable snap-shut stoppers / 1 PR + 1 BS – avec joint torique, joint de base et deux bouchons à déclenchement amovibles/
1 PR + 1 BS – mit O-Ring, Sockeldichtung und zwei abnehmbaren Schnapp-Füllstücken / 1 PR + 1 BS – con OR, junta de base y dos taponcitos a saltos amovibles



(13)

TWS KIT per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX



Kg. 0,06

TWSKIT 27764

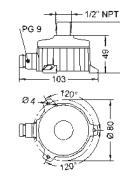
BOX DI GIUNZIONE

JUNCTION BOX / BOÎTE DE JONCTION /
ANSCHLUSS-KASTEN / CAJA DE ACOPLAMIENTO



(13)

TWS BOX PG9 per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX



Kg. 0,1

TWSBOX 27777

Per ordinare l'opzione nera vedere codici su listino in vigore

Code numbers for the black version are available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición



ACCESSORI

ACCESSORIES / ACCESSOIRES / ZUBEHÖR / ACCESORIOS

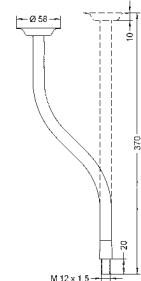


PROLUNGA FLESSIBILE

FLEXIBLE STEM
SUPPORT TUBULAIRE FLEXIBLE
FLEXIBLES ROHR
SOPORTE TUBULAR FLEXIBLE

N TWS PF2 per - for - pour - für - para:
OVOLUX

(43)



Kg. 0,26

NTWSPF2 27696



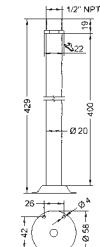
PROLUNGA ACCIAIO INOX (h. 400 mm) con O-Ring

STAINLESS STEEL EXTENSION STEM (h. 400 mm) with O-Ring
RALLONGE ACIER INOX (h. 400 mm) avec joint torique
VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 400 mm) mit O-Ring
PROLONGACIÓN DE ACERO INOX (h. 400 mm) con junta de goma

TWS KIT INOX L / 400 per - for - pour - für - para:

BABYROT
BABYLAMP
BABYFLASH
OVOLUX

(44)



Kg. 0,28

TWSKITINOXL400 27767



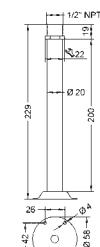
PROLUNGA ACCIAIO INOX (h. 200 mm) con O-Ring

STAINLESS STEEL EXTENSION STEM (h. 200 mm) with O-Ring
RALLONGE ACIER INOX (h. 200 mm) avec joint torique
VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 200 mm) mit O-Ring
PROLONGACIÓN DE ACERO INOX (h. 200 mm) con junta de goma

TWS KIT INOX L / 200 per - for - pour - für - para:

BABYROT
BABYLAMP
BABYFLASH
OVOLUX

(44)



Kg. 0,18

TWSKITINOXL200 27766



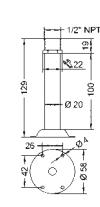
PROLUNGA ACCIAIO INOX (h. 100 mm) con O-Ring

STAINLESS STEEL EXTENSION STEM (h. 100 mm) with O-Ring
RALLONGE ACIER INOX (h. 100 mm) avec joint torique
VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 100 mm) mit O-Ring
PROLONGACIÓN DE ACERO INOX (h. 100 mm) con junta de goma

TWS KIT INOX L / 100 per - for - pour - für - para:

BABYROT
BABYLAMP
BABYFLASH
OVOLUX

(44)



Kg. 0,14

TWSKITINOXL100 27765

INDICE - INDEX - INHALTSVERZEICHNIS - ÍNDICE

Linea luminosa a LED integrati - LED integrated luminous range - Ligne lumineuse à LEDS intégrées - Optische Linie mit integrierten LED - Línea luminosa de LED'S integrados

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MICRO SEGNALATORI LUMINOSI A LED INTEGRATI

LED INTEGRATED MICRO LUMINOUS SIGNALS
MICRO DISPOSITIFS LUMINEUX A LEDS INTEGREES
MIKRO-OPTISCHE SIGNALGERÄTE MIT INTEGRIERTEN LED
MICRO DISPOSITIVOS LUMINOSOS DE LED'S INTEGRADOS

LD SP F	125
LD SP L	125

MINI LUCI A LED INTEGRATI

LED INTEGRATED MINI BEACONS
MINI DISPOSITIFS A LEDS INTEGREES
MINI LEUCHTEN MIT INTEGRIERTEN LED
MINI DISPOSITIVOS DE LED'S INTEGRADOS

LD MINI OVO F	126
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LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS
FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGREES
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LD MINI TWS F/L	133
LD 125 OVO	139
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LD 085 LINEARE B	144
LD 365 MINI N	145
LD 365 MINI P	145
LD 365 BABYLAMP	146
LD 455 MAXI N	147
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LD 455 LAMP PB	148
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LD 455 PG/AGR	148
LD 725 STROBO N	149
LD 865 STROBO N	149
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LUCI LAMPEGGIANTI A LED INTEGRATI

LED INTEGRATED FLASHING BEACONS
FEUX CLIGNOTANTS A LEDS INTEGREES
BLINKLEUCHTEN MIT INTEGRIERTEN LED
LUCES INTERMITENTES DE LED'S INTEGRADOS

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LUCI FISSE A LED INTEGRATI

LED INTEGRATED CONTINUOUS LIGHT BEACONS
FEUX A LUMIERE FIXE A LEDS INTEGREES
DAUERLEUCHTEN MIT INTEGRIERTEN LED
LUCES FIJAS DE LED'S INTEGRADOS

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LD BABY TWS F	134
LD MICRO TWS F	136
LD NANO TWS F	137
LD 125 OVO F	138
LD 125 OVO F PG9	138
LD 125 OVO F E	138
LD 085 LINEARE F B	144

DISPOSITIVI DI SEGNALAZIONE ACUSTICO/LUMINOSA A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING
SIGNALS – AUDIBLE/VISUAL
DISPOSITIFS DE SIGNALISATION
ACOUSTIQUE/LUMINEUSE A LEDS INTEGREES
AKUSTISCHE UND OPTISCHE SIGNALGERÄTE
MIT INTEGRIERTEN LED
DISPOSITIVOS DE SEÑALIZACIÓN
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LD 085 CTL A 600	129
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AVVISATORI ACUSTICO/LUMINOSI A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING SIGNALS – AUDIBLE/VISUAL AVERTISSEURS DE SIGNALISATION ACOUSTIQUE/LUMINEUSE A LED'S INTEGREES INDUSTRIE SIGNALHUPEN MIT WARNLICHT – LED INTEGRIERT DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

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SEGNALATORI A LED PER SEMAFORI

LED SIGNALLING DEVICE FOR TRAFFIC LIGHTS DISPOSITIFS DE SIGNALISATION A LED'S POUR FEUX LED-SIGNALGERÄTE FÜR AMPELN DISPOSITIVOS DE SEÑALIZACIÓN DE LED'S PARA SEMÁFOROS

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SEGNALATORI LINEARI A LED INTEGRATI

LED INTEGRATED LINEAR WARNING LIGHTS DISPOSITIFS DE SIGNALISATION LINEAIRES A LED'S INTEGREES LINEARE SIGNALGERÄTE MIT INTEGRIERTEN LED DISPOSITIVOS DE SEÑALIZACIÓN LINEARES DE LED'S INTEGRADOS

LD SX 5Q P	143
LD SX 5Q R	143
LD SX 5Q I	143

LUCE 4 OPZIONI A LED INTEGRATI

LED INTEGRATED 4 FUNCTION SIGNAL FEU 4 OPTIONS A LED'S INTEGREES 4 FUNKTIONSLEUCHTE MIT INTEGRIERTEN LED LUZ 4 OPCIONES DE LED'S INTEGRADOS

LD 085 LINEARE OP4 R	144
----------------------------	-----

SEMAFORI INDUSTRIALI A LED

INDUSTRIAL LED TRAFFIC LIGHTS FEUX DE SIGNALISATION INDUSTRIELLE A LED'S INDUSTRIE LED-SIGNALAMPELN SEMÁFOROS INDUSTRIALES DE LED'S

LD 3RAV B F	152
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SMFR 6.3 LD 8Q	154
SMFR 9.3 LD 16Q	154
SMFR 12.3 LD 24Q	154
SMFR 6.3 LD 8Q A	155
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COMPONENTI E ACCESSORI TWS - MINI TWS - BABY TWS MICRO TWS - NANO TWS

SISTEMI DI MONTAGGIO LD 125 OVO

TWS - MINI TWS - BABY TWS - MICRO TWS - NANO TWS MODULES AND ACCESSORIES LD 125 OVO MOUNTING SYSTEMS ELEMENTS ET ACCESSOIRES TWS - MINI TWS - BABY TWS - MICRO TWS - NANO TWS SYSTEMES DE MONTAGE LD 125 OVO TWS - MINI TWS - BABY TWS - MICRO TWS - NANO TWS ELEMENTE UND ZUBEHÖR LD 125 OVO MONTAGE SYSTEME MÓDULOS Y ACCESORIOS TWS - MINI TWS - BABY TWS - MICRO TWS - NANO TWS SISTEMAS DE MONTAJE LD 125 OVO

TWS B.C.	132
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BABY TWS A	134

ACCESSORI TWS - MINI TWS - BABY TWS

TWS - MINI TWS - BABY TWS ACCESSORIES ACCESSOIRES TWS - MINI TWS - BABY TWS TWS - MINI TWS - BABY TWS ZUBEHÖR

ACCESORIOS TWS - MINI TWS - BABY TWS

MICRO TWS B.C.

MICRO TWS A

NANO TWS B.C.

SISTEMI DI MONTAGGIO LD 125 OVO

LD 125 OVO MOUNTING SYSTEMS SYSTEMES DE MONTAGE LD 125 OVO LD 125 OVO MONTAGE SYSTEME

SISTEMAS DE MONTAJE LD 125 OVO

ARTICOLI A LED INTEGRATI

Vantaggi rispetto a segnalatori con lampada ad incandescenza:

• GARANZIA 4 ANNI

Gli articoli a Led integrati sono garantiti 4 anni a partire dalla data di fabbricazione indicata sul prodotto.

• VITA LUNGA

I Led non "bruciano" come le lampade a filamento ed hanno un decadimento della resa luminosa di un 5% ogni 100.000 ore di servizio (valore identificabile solo strumentalmente. L'occhio umano percepisce tale variazione solo in ragione di un 15%-20% di differenza).

• BASSO ASSORBIMENTO

La corrente assorbita da un articolo a Led è di gran lunga inferiore a quella assorbita dal segnalatore equivalente a filamento. Si ha di conseguenza un risparmio energetico. Questa caratteristica rende al tempo stesso gli articoli a Led ideali per utilizzo in impianti logici (in presenza di PLC o computer di gestione macchina).

• NO MANUTENZIONE

Con un articolo a Led non esiste più manutenzione: il circuito elettronico di pilotaggio è annegato in resina epossidica antivibrazioni da cui fuoriescono i Led.

• SICUREZZA DEL FUNZIONAMENTO DEL SEGNALE

Un segnalatore a Led con il suo circuito resinato ha caratteristiche meccaniche molto superiori rispetto a quelle del sottilissimo filo di tungsteno di una lampadina. Offre quindi una garanzia di funzionamento estremamente elevata.

• NO CALORE

Il Led per sua natura emette luce fredda, senza trasformazione di elettricità in calore come accade nelle lampadine ad incandescenza: un segnalatore a Led ha un risparmio energetico estremamente vantaggioso e non è inquinante.

• PUREZZA DEL SEGNALE

La luce emessa da una lampadina è un mix di lunghezze d'onda su tutta la gamma dei colori. Questa luce viene filtrata dalla cupola del segnalatore e l'osservatore vede un segnale di un certo colore con sfumature più o meno evidenti di altri colori.

La luce emessa da una fonte a Led è concentrata tutta su di un'unica lunghezza d'onda. Questa luce non subisce l'effetto filtrante della cupola poiché quest'ultima è realizzata nello stesso colore della luce emessa. Il risultato è un segnale puro che colpisce moltissimo l'osservatore il cui occhio non è abituato ad una luce così netta colorata. Si sottolinea che i Led utilizzati all'interno di questi dispositivi sono ad alta luminosità.

• QUALITÀ NELLA COSTRUZIONE

Ogni singolo articolo a Led integrati subisce un test parametrico a fine ciclo produttivo. Il risultato del test viene stampato su di un certificato di collaudo che viene inserito nella confezione con il prodotto.

• COSTO = ZERO

Il costo del prodotto a Led pur essendo superiore a quello della versione tradizionale è ininfluente, **QUINDI UGUALE A ZERO**, perché il risparmio energetico nell'arco temporale della garanzia assorbe completamente il totale ammortamento del prodotto.

LEGENDA

PRINCIPALI CARATTERISTICHE TECNICHE E FUNZIONALI DEI PRODOTTI

VOLTAGGIO	CORRENTE	FREQUENZA	LAMI PER MINUTO	GRADO IP:	CLASSE II DI ISOLAMENTO
V 24 ~ -48 ~ -110 ~ -240 ~ (±10%)	— DC (continua) ~ AC (alternata)	50/60 Hz	Flash/min. 0-150±20	IP 30	□
—	—	On	∞	PC	AUTOESTINGUENTE
SUONO LINEARE —	°C -30 +50	TEMPERATURA DI FUNZIONAMENTO	SERVIZIO CONTINUO	COLORI DELLA CUPOLA	MATERIALE CUPOLA
SUONO INTERMITTENTE —	On		PROPAGAZIONE LUCE	CODICE COLORE	PC: POLICARBONATO
SUONO MODULATO —				1 = BLU 2 = ARANCIO 3 = ROSSO 4 = VERDE 5 = GIALLO 6 = NEUTRO	
SUONO BITONALE —					
SUONO PLURITONALE —					
SUONO ALTERNATIVO —					

CODIFICA: es.

LD | 08 | 5 | CTL600 | 24 | DA | 1 → —

 Led | n. Ø Descrizione Voltaggio Corrente Colore
 integrati Led Led

LD = LED integrati	BASE
A = corrente alternata	B = piana ISO DIN B1
DA = corrente continua	N = piana
e alternata	P = palo ISO C
L = luce solo lampeggiante	AG = a ghianda
F = luce solo fissa	E = Edison
A = con acustica	R = retroquadro

MATERIALI ESTERNI

- 1. Base: PC
- 2. Corpo: PC
- 3. Base/Corpo: ABS
- 4. Base ISO DIN B1: Alluminio
- 5. Base ISO DIN B1: PA
- 6. Attacco a ghianda: Alluminio
- 7. Griglia: Acciaio Zincato
- 8. Base: Lamiera
- 9. Attacco a vite
- 10. Corpo: PA
- 11. Base: PA
- 12. Corpo: PP
- 13. Guarnizione: Forprene
- 14. Guarnizione: PVC
- 15. Base/Corpo, rondella, ghiera: ABS
- 16. Copri posteriori: PP

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

VOLTAGGIO CORRENTE ALTERNATA	VOLTAGGIO CORRENTE CONTINUA			
	V —	V ~	24	48
ASSORBIMENTO DI CORRENTE	mA	70	65	20
	mA	70	70	20
dB(A)1m	65	65	65	65
LIVELLO ACUSTICO IN DECIBEL	Hz 3600	—	F/m 110	F/m 0
(A) MISURATO A 1m				
FREQUENZA DI SUONO IN HERTZ				



LED INTEGRATED PRODUCTS

The advantages compared with devices with an incandescent bulb:

- **FOUR YEARS GUARANTEE**

Led integrated products are guaranteed for four years from the date of production indicated on the product.

- **LONG LIFE**

Led bulbs, unlike filament bulbs, never burn out. The light intensity decreases by 5% after 100.000 hours operation (a measurement that is verified by means of an instrument only) - the human eye perceives a difference when there is a decrease in the region of 15%/20%.

- **LOW ABSORPTION**

The current absorbed by a led integrated product is much less than that of an equivalent device fitted with a filament bulb and is, therefore, energy saving. This characteristic makes these products ideal for use in logic plants where there is a PLC or computer controlled machines.

- **NO MAINTENANCE**

A led integrated product requires no maintenance: the piloted electronic circuit is embedded in vibration proof epoxy resin from which the led emerge.

- **RELIABILITY OF THE DEVICE**

The mechanical characteristics of the epoxy resin circuit fitted in led integrated products are superior to that of the thin wire of a tungsten bulb and these products are therefore extremely more reliable.

- **NO HEAT**

Led bulbs emit cold light and, unlike incandescent bulbs, there is no energy used to heat the bulb: a led integrated product is therefore energy saving and is more environmentally friendly.

- **CLARITY OF THE SIGNAL**

The light emitted by an incandescent bulb is a mixture of wavelengths of all the colours in the range. The light is filtered through the dome and the onlooker identifies a definite colour with shading of other colours. The light emitted by a led bulb is concentrated on one wavelength only and there is no filtering as the colour of the dome is the same as that of the bulb. The result is a clear signal that strikes the onlooker as the human eye is not used to such a pure coloured light. It is emphasized that the LEDS used in these devices are extremely bright.

- **PRODUCTION QUALITY**

All led integrated products are submitted to a parametric test at the end of the production cycle. The result is printed on a test certificate and packed inside the box.

- **COST = ZERO**

Even though the initial cost of a led product is more than that of the traditional version it is of no significance because the energy saving within the guarantee period completely outweighs the initial extra cost.

LEGEND

MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS

VOLTAGE	CURRENT	FREQUENCY	FLASHES PER MINUTE	IP RATING: SOLID BODIES AND WATER	INSULATION CLASS II
V 24 ~ -48 ~ -110 ~ -240 ~ ($\pm 10\%$)	DC (direct) AC (alternating)	50/60 Hz	Flash/min. 0-150 ± 20	IP 30	
---	°C -30 +50	On	1 2 3 4 5 6 PC		SELF-EXTINQUISHING
	OPERATING TEMPERATURE RANGE	CONTINUOUS OPERATION	DOME COLOURS COLOUR CODE	DOME MATERIAL PC: POLYCARBONATE	
		LIGHT DIFFUSION	1 = BLUE 2 = AMBER 3 = RED 4 = GREEN 5 = YELLOW 6 = CLEAR		

CODIFICATION: ex.

LD	08	5	CTL600	24	DA	1 →
Led integrated	Led No.	Ø	Description	Voltage	Current	Colour

LD = LED integrated
A = alternating current
DA = direct and alternating current
L = flashing light only
F = continuous light only
A = with acoustics

BASE
B = flat ISO DIN B1
N = flat
P = pole ISO C
AG = tubular
E = Edison
R = flush mounting

EXTERNAL MATERIALS

1. Base: PC
2. Body: PC
3. Base/Body: ABS
4. Base - ISO DIN B1: Aluminium
5. Base - ISO DIN B1: PA
6. Tube mount: Aluminium
7. Grid: Zinc coated steel
8. Base: Metal plate
9. Stud mount
10. Body: PA
11. Base: PA
12. Body: PP
13. Gasket: Forprene
14. Gasket: PVC
15. Base/Body, washer, ring: ABS
16. Rear covers: PP

TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

ALTERNATING CURRENT VOLTAGE	DIRECT CURRENT VOLTAGE				
	V---	24	48	-	-
	mA	70	65	20	20
	mA	70	70	20	20
	dB(A)1m	65	65	65	65
	Hz 3600	F/m 110	F/m 0		
		SOUND FREQUENCY IN HERTZ			

PRODUITS A LEDS INTEGREES

Les avantages des produits à LEDS intégrées sont nombreux par rapport à ceux comportant des ampoules à incandescence.

• GARANTIE 4 ANS

Les produits à LEDS intégrées sont garantis 4 ans à partir de la date de fabrication indiquée sur le produit.

• LONGUE DUREE

Les LEDS ont un comportement différent des ampoules à incandescence. Elles ne s'arrêtent pas brutalement de fonctionner (ampoule grillée). Leur intensité lumineuse diminue de 5% chaque 100.000 heures de fonctionnement (valeur vérifiable seulement avec un instrument. L'oeil humain ne perçoit la différence qu'à partir de 15 à 20% de diminution).

• FAIBLE CONSOMMATION

La consommation de courant d'un produit à LEDS est très inférieure à celle du même produit équipé d'une ampoule à filament, d'où une importante économie d'énergie. Les produits à LEDS seront donc préconisés dans un système logiciel (PLC ou ordinateur de gestion de machine).

• AUCUN ENTRETIEN

Aucun entretien n'est nécessaire pour un produit à LEDS : le circuit électrique de pilotage est noyé dans une résine époxydique, anti-vibrations, de laquelle émergent les LEDS.

• CERTITUDE DE FONCTIONNEMENT DU SIGNAL LUMINEUX

Un avertisseur à LEDS avec son circuit noyé dans la résine offre des caractéristiques mécaniques très supérieures à celles d'un filament en tungstène d'une ampoule. La garantie de fonctionnement est donc très élevée.

• AUCUNE CHALEUR

La LED, par sa nature, émet une lumière froide, c'est-à-dire qu'elle n'utilise pas l'énergie électrique pour la transformer en chaleur comme c'est le cas avec les ampoules à incandescence. Un avertisseur à LEDS a un rendement énergétique très avantageux et il n'est pas polluant.

• CLARTE DU SIGNAL

La lumière émise par une ampoule à filament est un mélange de longueurs d'onde sur toute la gamme des couleurs. Cette lumière est filtrée par le dôme de l'avertisseur et l'observateur perçoit un signal d'une couleur nuancée, de façon plus au moins évidente, avec d'autres couleurs.

La lumière émise par une LED possède une seule longueur d'onde. Cette lumière ne subit donc pas l'effet filtrant du dôme, car celui-ci est réalisé dans la même couleur que la LED. Le résultat est un signal clair qui interpelle beaucoup plus l'observateur car l'oeil humain n'est pas habitué à voir une lumière colorée si pure. On souligne que les LEDS utilisées à l'intérieur de ces dispositifs sont du type à haute luminosité.

• QUALITE DANS LA PRODUCTION

Chaque produit à LEDS intégrées subit un test paramétrique à la fin du cycle de production. Chaque produit est livré accompagné de son certificat de test.

• COUT = ZERO

Si à l'achat le prix d'un produit à LEDS est supérieur à la version traditionnelle, le gain d'énergie et donc de coût réalisé pendant la garantie amortit complètement le produit.

LEGENDE

PRINCIPALES CARACTERISTIQUES TECHNIQUES ET FONCTIONNELLES DES PRODUITS

TENSION	COURANT	FREQUENCE	ECLATS PAR MINUTE	DEGRE IP:	CLASSE II D'ISOLATION
V 24 ~ -48 ~ -110 ~ -240 ~ (±10%)	— DC (continu) ~ AC (alternatif)	50/60 Hz	Flash/min. 0-150±20	IP 30	<input checked="" type="checkbox"/>
	—	°C -30 +50	On ∞		PC
		TEMPERATURE DE FONCTIONNEMENT	SERVICE CONTINU		AUTO-EXTINGUIBLE
			DIFFUSION DE LA LUMIERE		
				COULEURS DU DOME CODE COULEUR	MATERIAU DU DOME PC: POLYCARBONATE
				1 = BLEU 2 = ORANGE 3 = ROUGE 4 = VERT 5 = JAUNE 6 = TRANSPARENT	

CODIFICATION: ex.

LD	08	5	CTL600	24	DA	1 →
LED intégrées	No. Led	Ø Led	Description	Tension	Courant	Couleur

LD = LED intégrées	EMBASE
A = courant alternatif	B = plate ISO DIN B1
DA = courant continu et alternatif	N = plate
L = lumière seulement clignotante	P = fixation à boulon simple ISO C
F = lumière seulement fixe	AG = fixation sur tube
A = avec acoustique	E = Edison
	R = à encastre

INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

TENSION COURANT ALTERNATIF	V ---	24	48	-	-
	V ~	110	240		
CONSOMMATION DE COURANT	mA	70	65	20	20
A=Ampere 1mA=0,001A	mA	70	70	20	20
	dBA(1m)	65	65	65	65
NIVEAU DE PRESSION ACoustIQUE	Hz 3600	—	—	F/m 110	F/m 0
EN DECIBEL (A)					
MESURE A 1m					

FREQUENCE DE L'INTERMITTENCE DU SON

FREQUENCE DU SON
EN HERTZ

MATERIAUX EXTERNAUX

1. Embase: PC
2. Corps: PC
3. Embase/Corps: ABS
4. Embase ISO DIN B1: Aluminium
5. Embase ISO DIN B1: PA
6. Fixation sur tube: Aluminium
7. Grille: Acier zingué
8. Embase: Tôle
9. Fixation à boulon simple
10. Corps: PA
11. Embase: PP
12. Corps: PP
13. Joint: Forprene
14. Joint: PVC
15. Embase/Corps, rondelle, collier: ABS
16. Couvercles postérieurs: PP

ARTIKEL MIT INTEGRIERTEN LED

Vorteile im Vergleich zu den Geräten mit Glühlampe:

• 4 JAHRE GARANTIE

Artikel mit integrierten LED haben eine Garantiezeit von vier Jahren (vom Herstellungsdatum – auf Produkt angegeben).

• LANGE LEBENSDAUER

Die LEDs brennen nicht wie normale Glühlampen durch. Ihre Leuchtleistung geht nur um 5% alle 100.000 Betriebsstunden zurück - ein Wert, der nur durch Messungen ermittelbar ist. Das menschliche Auge nimmt den Rückgang der Leuchtleistung erst in einem Bereich von 15%-20% wahr.

• NIEDRIGER STROMVERBRAUCH

Der Stromverbrauch der LED Artikel ist wesentlich niedriger als der gleichwertiger Leuchtmittel mit Glühfaden. Dadurch sparen sie mehr Energie, wodurch sie sich auch gleichzeitig ideal eignen zum Gebrauch in logistischen Anlagen mit SPS-Steuerungen oder mit Computern für Maschinensteuerungen.

• KEINE WARTUNG

KEINE WARTUNG
Artikel mit integrierten LED benötigen keine Wartung. Die elektronische Steuerplatine ist in vibrationsfestem Epoxyharz vergossen.

• SICHERHEIT IM SIGNALBETRIEB

SECURITY IN SIGNAL TRAFFIC
LED Artikel, bei denen die Steuerplatine in Epoxydharz vergossen ist, haben höhere mechanische Eigenschaften, als diejenigen des Tungsten-Drahtes einer Glühlampe. Daher haben sie eine sehr hohe Funktionsgarantie.

• KEINE WÄRME

LED strahlt kaltes Licht aus ohne Wandlung von Elektrizität in Wärme wie bei herkömmlichen Glühlampen. LED sind energiesparend und umweltfreundlich.

• KI ARHEIT DES SIGNALS

Glühlampenlicht ist eine Mischung verschiedener Wellenlängen im gesamten Farbbereich. Das Licht wird durch die Haubenfarbe des Gerätes gefiltert. Der Beobachter nimmt das Signal einer bestimmten Farbe mit Nuancierungen anderer Farben wahr. Das Licht einer LED hat eine einzige Wellenlänge. Dieses Licht erfährt keinen Filtereffekt von der Haube, da diese die selbe Farbe des ausgestrahlten Lichtes hat. Es wird also nur ein klares Farbsignal wahrgenommen. Die in diesen Artikeln eingesetzten LED sind mit hoher Leuchtkraft.

• QUALITÄT IN DER PRODUKTION

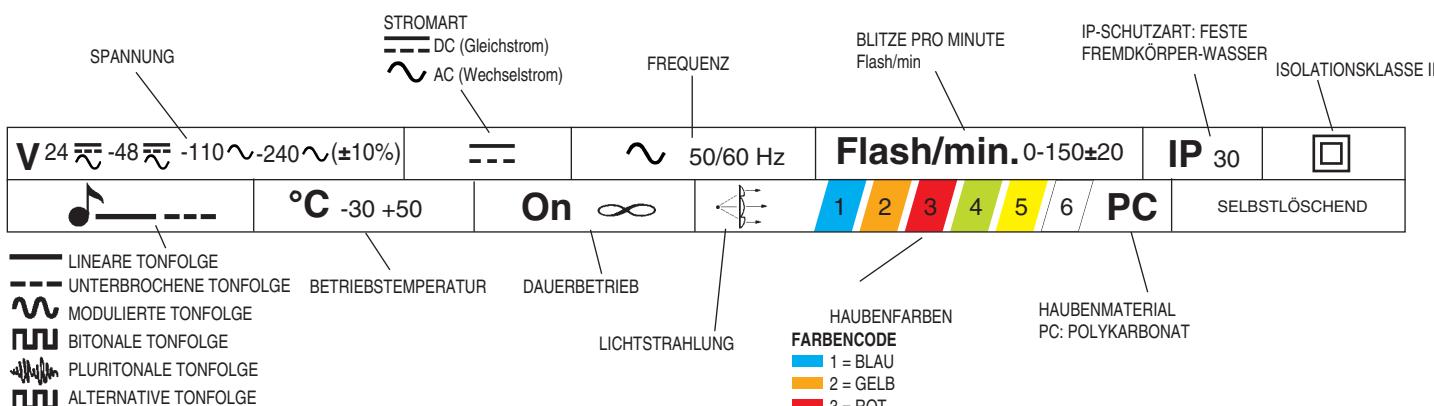
Jeder Artikel mit integrierten LED durchläuft einen Parameter-
test. Das Testergebnis wird einem Prüfbericht der Verpackung
beigelegt.

• KOSTEN = NULL

Die mehr Kosten für Produkte mit integrierten LED amortisieren sich durch den Energiespareffekt innerhalb der Garantiezeit von 4 Jahren.

LEGENDE

TECHNISCHE UND FUNKTIONELLE HAUPTMERKMALE DER PRODUKTE



CODIERUNG: Beispiel

LD	08	5	CTL600	24	DA	1	→
Integrierte LED	Nr. Led	Ø Led	Bezeichnung	Spannung	Stromart	Farbe	

LD = integrierte LED
A = Wechselstrom
DA = Gleichstrom
und Wechselstr.
L = nur Blinklicht
F = nur Dauerlicht
A = mit Akustik

SOCKEL
B = flacher Sockel ISO DIN B1
N = flacher Sockel
P = Gewinderohr-Stutzen ISO C
AG = Rohrstutzen-Sockel
E = Edison
R = Unterputz-Montage

AUSSENMATERIALIEN

- | AUSSENMATERIALEN | |
|-----------------------------------|-----------------------------|
| 1. Sockel: PC | 9. Schraubbefestigung |
| 2. Gehäuse: PC | 10. Gehäuse: PA |
| 3. Sockel/Gehäuse: ABS | 11. Sockel: PA |
| 4. ISO DIN B1 Sockel: Alu | 12. Gehäuse: PP |
| 5. ISO DIN B1 Sockel: PA | 13. Dichtung: Forprene |
| 6. Rohrbefestigung: Alu | 14. Dichtung: PVC |
| 7. Schutzgitter: verzinkter Stahl | 15. Sockel/Gehäuse, Scheibe |
| 8. Blechsockel | Nutmutter: ABS |
| | 16. Hintere Deckel: PP |

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE

SPANNUNG GLEICHSTROM					
SPANNUNG WECHSELSTROM	V---	24	48	-	-
STROMAUFNAHME A=Ampere 1mA=0,001A	V~			110	240
	mA	70	65	20	20
	mA	70	70	20	20
	dB(A)1m	65	65	65	65
SCHALDRUCKPEGEL IN DEZIBEL (A) BEI 1m. ENTFERNUNG	Hz 3600	♪ --- F/m 110	♪ --- F/m 0	FREQUENZ DER TONINTERMITTENZ	
				TONFREQUENZ IN HERTZ	

ARTÍCULOS DE LED'S INTEGRADOS

Ventajas respecto a los señalizadores con lámparas de incandescencia.

• GARANTÍA 4 AÑOS:

Los artículos de LED's integrados están garantizados durante 4 años desde la fecha de producción indicada sobre cada producto.

• LARGA DURACIÓN:

Los LED's no queman como las lámparas de filamento y tienen una disminución de intensidad lumínosa del 5% cada 100.000 horas de servicio (valor verificable solamente con instrumentos, el ojo humano percibe dicha variación sólo por un – 15% / 20% de diferencia).

• BAJA ABSORCIÓN:

La corriente absorbida por un artículo de LED's es inferior a la absorbida por un señalizador de filamento equivalente, y es por ello que se logra un ahorro energético. Esta característica es ideal para el empleo de los productos de LED's en los sistemas lógicos (PLC o Ordenador de Gestión Máquina)

• SIN MANTENIMIENTO:

Con un artículo de LED's no hay ningún mantenimiento al estar el circuito electrónico sumergido en resina epoxi antivibraciones de la cuál salen los LED's.

• SEGURIDAD DE FUNCIONAMIENTO:

Un señalizador de LED's con un circuito sumergido en resina, tiene características mecánicas superiores a las características del delgado hilo de tungsteno de una lámpara. Por lo que ofrece una garantía de funcionamiento más elevada.

• SIN CALOR:

Los LED's, por índole, emiten luz fría sin transformar la electricidad en calor como pasa con las lámparas de incandescencia, un señalizador a LED's tiene un ahorro energético muy provechoso y no contamina.

• CLARIDAD DEL SEÑALIZADOR:

La luz emitida por una lámpara es una mezcla de longitudes de onda en toda la gama de colores. Esta luz es filtrada por la cúpula del señalizador, por lo que el observador ve una señal de color con matices más ó menos evidentes de otros colores.

La luz emitida por una fuente de LED's está concentrada en una única longitud de onda. Esta luz no sufre el efecto filtrante de la cúpula porque esta última es del mismo color que la emitida. El resultado es una señal clara que impacta al observador cuyo ojo no está acostumbrado a una luz tan clara y coloreada. Se evidencia que los LED's utilizados al interior de estos señalizadores son de alta luminosidad.

• CALIDAD EN LA FABRICACIÓN:

Cada artículo de LED's integrados se ensaya a final del ciclo productivo. El resultado del ensayo es impreso sobre un certificado de prueba que se adjunta a la caja del producto.

• COSTE = CERO

El coste inicial del producto de LED's es superior al coste de la versión tradicional, pero con el ahorro energético durante su garantía se absorbe holgadamente este incremento.

LEYENDA

PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

VOLTAJE	CORRIENTE	FRECUENCIA	DESTELLOS POR MINUTO	GRADO DE IP : CUERPOS SÓLIDOS Y AGUA	CLASE II DE AISLAMIENTO
V 24 ~ -48 ~ -110 ~ -240 ~ (±10%)	— DC (continua) ~ AC (alterna)	— 50/60 Hz	Flash/min. 0-150±20	IP 30	<input type="checkbox"/>
---	°C -30 +50	On	1 2 3 4 5 / 6 PC	AUTOEXTINGUIBLE	
	TEMPERATURA OPERATIVA	SERVICIO CONTINUO	COLORES DE LA CÚPULA CÓDIGO COLOR: 1 = AZUL 2 = NARANJA 3 = ROJO 4 = VERDE 5 = AMARILLO 6 = NEUTRO	MATERIAL CÚPULA PC: POLICARBONATO	
		PROPAGACIÓN DE LA LUZ			

CODIFICACIÓN: ej.

LD	08	5	CTL600	24	DA	1 →
LEDs integrados	No. Led	Ø Led	Descripción	Voltaje	Corriente	Color

LD = LED's integrados
 A = corriente alterna
 DA = corriente continua y alterna
 L = luz sólo intermitente
 F = luz sólo fija
 A = con acústica

BASE
 B = llana ISO DIN B1
 N = llana
 P = de perno simple ISO C
 AG = de tubo
 E = Edison
 R = para empotrar

MATERIALES EXTERIORES

1. Base: PC
2. Cuerpo: PC
3. Base/Cuerpo: ABS
4. Base ISO DIN B1: Aluminio
5. Base ISO DIN B1: PA
6. Fijación de tubo: Aluminio
7. Rejilla: Acero cincado
8. Base: Chapa
9. Fijación de tornillo
10. Cuerpo: PA
11. Base: PA
12. Cuerpo: PP
13. Junta: Forprene
14. Junta: PVC
15. Base/Cuerpo, arandela, virola: ABS
16. Tapas posteriores: PP

INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

VOLTAJE CORRIENTE ALTERNA	VOLTAJE CORRIENTE CONTINUA
V ---	24
V ~	48
	-
	-
	110
	240
CONSUMO DE CORRIENTE A=Ampere 1mA=0,001A	mA 70 65 20 20
	mA 70 70 20 20
	dBA(1m) 65 65 65 65
NIVEL ACÚSTICO EN DECIBELIO (A) MEDIDO A 1m	Hz 3600 F/m 110 F/m 0
	FRECUENCIA SONIDO EN HERTZIO



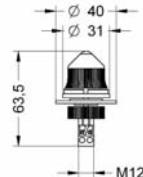
MICRO SEGNALATORI LUMINOSI A LED INTEGRATI

LED INTEGRATED MICRO LUMINOUS SIGNALS / MICRO DISPOSITIFS LUMINEUX A LED'S INTEGREES /

MIKRO-OPTISCHE SIGNALGERÄTE MIT INTEGRIERTEN LED / MICRO DISPOSITIVOS LUMINOSOS DE LED'S INTEGRADOS

V 12 $\overline{\text{--}}$ - 24 $\overline{\text{--}}$ - 48 $\overline{\text{--}}$ - 110 \sim - 240 \sim ($\pm 10\%$)	$\equiv \equiv \equiv$	\sim 50/60 Hz	IP 66	
°C -30 +50	On ∞		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA



Kg. 0,026

LD SP F

LDSPF

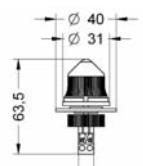
(13) (15)

LDSPF12DA1 ● 38051	LDSPF24DA1 ● 38061	LDSPF48DA1 ● 38071	LDSPF110A1 ● 38081	LDSPF240A1 ● 38091
LDSPF12DA2 ○ 38052	LDSPF24DA2 ○ 38062	LDSPF48DA2 ○ 38072	LDSPF110A2 ○ 38082	LDSPF240A2 ○ 38092
LDSPF12DA3 ● 38053	LDSPF24DA3 ● 38063	LDSPF48DA3 ● 38073	LDSPF110A3 ● 38083	LDSPF240A3 ● 38093
LDSPF12DA4 ○ 38054	LDSPF24DA4 ○ 38064	LDSPF48DA4 ○ 38074	LDSPF110A4 ○ 38084	LDSPF240A4 ○ 38094
LDSPF12DA5 ○ 38055	LDSPF24DA5 ○ 38065	LDSPF48DA5 ○ 38075	LDSPF110A5 ○ 38085	LDSPF240A5 ○ 38095
LDSPF12DA6 ○ 38056	LDSPF24DA6 ○ 38066	LDSPF48DA6 ○ 38076	LDSPF110A6 ○ 38086	LDSPF240A6 ○ 38096

V $\equiv \equiv$	12	24	48	-	-
V \sim	110	240			
mA	20	20	20	35	30
mA	20	20	20	35	30

V 12 $\overline{\text{--}}$ - 24 $\overline{\text{--}}$ - 48 $\overline{\text{--}}$ - 110 \sim - 240 \sim ($\pm 10\%$)	$\equiv \equiv \equiv$	\sim 50/60 Hz	Flash/min. 110±20
IP 66		°C -30 +50	On ∞

LUCE LAMPEGGIANTE / FLASHING LIGHT / LUMIERE CLIGNOTANTE / BLINKLICHT / LUZ INTERMITENTE



Kg. 0,026

LD SP L

LDSPL

(13) (15)

LDSPL12DA1 ● 38171	LDSPL24DA1 ● 38181	LDSPL48DA1 ● 38191	LDSPL110A1 ● 38201	LDSPL240A1 ● 38211
LDSPL12DA2 ○ 38172	LDSPL24DA2 ○ 38182	LDSPL48DA2 ○ 38192	LDSPL110A2 ○ 38202	LDSPL240A2 ○ 38212
LDSPL12DA3 ● 38173	LDSPL24DA3 ● 38183	LDSPL48DA3 ● 38193	LDSPL110A3 ● 38203	LDSPL240A3 ● 38213
LDSPL12DA4 ○ 38174	LDSPL24DA4 ○ 38184	LDSPL48DA4 ○ 38194	LDSPL110A4 ○ 38204	LDSPL240A4 ○ 38214
LDSPL12DA5 ○ 38175	LDSPL24DA5 ○ 38185	LDSPL48DA5 ○ 38195	LDSPL110A5 ○ 38205	LDSPL240A5 ○ 38215
LDSPL12DA6 ○ 38176	LDSPL24DA6 ○ 38186	LDSPL48DA6 ○ 38196	LDSPL110A6 ○ 38206	LDSPL240A6 ○ 38216

V $\equiv \equiv$	12	24	48	-	-
V \sim	110	240			
mA	20	20	20	35	30
mA	20	20	20	35	30

• **Installazione ad incasso foro Ø 12 mm. Fornito adattatore per foro Ø 16 mm – Ø 22 mm**

- Flush mounting with openings Ø 12 mm. Supplied with adapter for openings Ø 16 mm – Ø 22 mm
- Installation à encastrer dans des perçages Ø 12 mm. Fourni avec adaptateur pour perçages Ø 16 mm – Ø 22 mm
- Unterputz-Montage mit Öffnung Ø 12 mm. Geliefert mit Adapterstück für Öffnungen Ø 16 mm – Ø 22 mm
- Instalación para empotrar en cuadro con agujero Ø 12 mm. Suministrado con adaptador para agujeros Ø 16 mm – Ø 22 mm

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



MINI LUCI A LED INTEGRATI

LED INTEGRATED MINI BEACONS / MINI DISPOSITIFS A LEDS INTEGREGES /
MINI LEUCHTEN MIT INTEGRIERTEN LED / MINI DISPOSITIVOS DE LED'S INTEGRADOS

V 24 $\overline{\text{--}}$ - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	IP 66	
$^{\circ}\text{C}$ -30 +50	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA



Kg 0,047

LD MINI OVO F

LDMINIOVOF

(13) (15)

LDMINIOVOF24DA1 ● 31601
LDMINIOVOF24DA2 ○ 31602
LDMINIOVOF24DA3 ● 31603
LDMINIOVOF24DA4 ● 31604
LDMINIOVOF24DA5 ○ 31605
LDMINIOVOF24DA6 ○ 31606

LDMINIOVOF110A1 ● 31611
LDMINIOVOF110A2 ○ 31612
LDMINIOVOF110A3 ● 31613
LDMINIOVOF110A4 ● 31614
LDMINIOVOF110A5 ○ 31615
LDMINIOVOF110A6 ○ 31616

LDMINIOVOF240A1 ● 31621
LDMINIOVOF240A2 ○ 31622
LDMINIOVOF240A3 ● 31623
LDMINIOVOF240A4 ● 31624
LDMINIOVOF240A5 ○ 31625
LDMINIOVOF240A6 ○ 31626

V $\overline{\text{--}}$	24	-	-
V ~	110	240	
mA	55	60	45
mA	50	60	45

V 24 $\overline{\text{--}}$ - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	Flash/min. 150±20
IP 66		$^{\circ}\text{C}$ -30 +50	On ∞	

LUCE LAMPEGGIANTE / FLASHING LIGHT / LUMIERE CLIGNOTANTE / BLINKLICHT / LUZ INTERMITENTE



Kg 0,047

LD MINI OVO L

LDMINIOVOL

(13) (15)

LDMINIOVOL24DA1 ● 31631
LDMINIOVOL24DA2 ○ 31632
LDMINIOVOL24DA3 ● 31633
LDMINIOVOL24DA4 ● 31634
LDMINIOVOL24DA5 ○ 31635
LDMINIOVOL24DA6 ○ 31636

LDMINIOVOL110A1 ● 31641
LDMINIOVOL110A2 ○ 31642
LDMINIOVOL110A3 ● 31643
LDMINIOVOL110A4 ● 31644
LDMINIOVOL110A5 ○ 31645
LDMINIOVOL110A6 ○ 31646

LDMINIOVOL240A1 ● 31651
LDMINIOVOL240A2 ○ 31652
LDMINIOVOL240A3 ● 31653
LDMINIOVOL240A4 ● 31654
LDMINIOVOL240A5 ○ 31655
LDMINIOVOL240A6 ○ 31656

V $\overline{\text{--}}$	24	-	-
V ~	110	240	
mA	55	60	45
mA	50	60	45



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGREES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 12~ - 24~ - 110~ - 240~ ($\pm 10\%$)	$---$	\sim 50/60 Hz	Flash/min. 0-150±20
IP 65	\square	$^{\circ}\text{C}$ -30 +50	On ∞



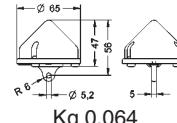
50/60 Hz

Flash/min. 0-150±20

1 2 3 4 5 6

PC

AUTOESTINGUENTE
SELF-EXTINGUISHING
AUDETÖLÖSCHEND
AUTOEXTINGUIBLE

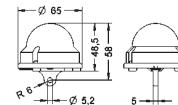


LD 4.5.4 LU C
LD454LUC

(2)

LD454LUC12DA1 ● 41161	LD454LUC24DA1 ● 41171	LD454LUC110A1 ● 41181	LD454LUC240A1 ● 41191
LD454LUC12DA2 ○ 41162	LD454LUC24DA2 ○ 41172	LD454LUC110A2 ○ 41182	LD454LUC240A2 ○ 41192
LD454LUC12DA3 ● 41163	LD454LUC24DA3 ● 41173	LD454LUC110A3 ● 41183	LD454LUC240A3 ● 41193
LD454LUC12DA4 ○ 41164	LD454LUC24DA4 ○ 41174	LD454LUC110A4 ○ 41184	LD454LUC240A4 ○ 41194
LD454LUC12DA5 ○ 41165	LD454LUC24DA5 ○ 41175	LD454LUC110A5 ○ 41185	LD454LUC240A5 ○ 41195
LD454LUC12DA6 ○ 41166	LD454LUC24DA6 ○ 41176	LD454LUC110A6 ○ 41186	LD454LUC240A6 ○ 41196

V --	12	24	-	-	
V ~			110	240	
● ● ○	mA	110	70	55	65
● ○ ○	mA	95	60	55	65

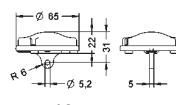


LD 4.5.4 LU S
LD454LUS

(2)

LD454LUS12DA1 ● 41201	LD454LUS24DA1 ● 41211	LD454LUS110A1 ● 41221	LD454LUS240A1 ● 41231
LD454LUS12DA2 ○ 41202	LD454LUS24DA2 ○ 41212	LD454LUS110A2 ○ 41222	LD454LUS240A2 ○ 41232
LD454LUS12DA3 ● 41203	LD454LUS24DA3 ● 41213	LD454LUS110A3 ● 41223	LD454LUS240A3 ● 41233
LD454LUS12DA4 ○ 41204	LD454LUS24DA4 ○ 41214	LD454LUS110A4 ○ 41224	LD454LUS240A4 ○ 41234
LD454LUS12DA5 ○ 41205	LD454LUS24DA5 ○ 41215	LD454LUS110A5 ○ 41225	LD454LUS240A5 ○ 41235
LD454LUS12DA6 ○ 41206	LD454LUS24DA6 ○ 41216	LD454LUS110A6 ○ 41226	LD454LUS240A6 ○ 41236

V --	12	24	-	-	
V ~			110	240	
● ● ○	mA	110	70	55	65
● ○ ○	mA	95	60	55	65



LD 4.5.4 LU P
LD454LUP

(2)

LD454LUP12DA1 ● 41241	LD454LUP24DA1 ● 41251	LD454LUP110A1 ● 41261	LD454LUP240A1 ● 41271
LD454LUP12DA2 ○ 41242	LD454LUP24DA2 ○ 41252	LD454LUP110A2 ○ 41262	LD454LUP240A2 ○ 41272
LD454LUP12DA3 ● 41243	LD454LUP24DA3 ● 41253	LD454LUP110A3 ● 41263	LD454LUP240A3 ● 41273
LD454LUP12DA4 ○ 41244	LD454LUP24DA4 ○ 41254	LD454LUP110A4 ○ 41264	LD454LUP240A4 ○ 41274
LD454LUP12DA5 ○ 41245	LD454LUP24DA5 ○ 41255	LD454LUP110A5 ○ 41265	LD454LUP240A5 ○ 41275
LD454LUP12DA6 ○ 41246	LD454LUP24DA6 ○ 41256	LD454LUP110A6 ○ 41266	LD454LUP240A6 ○ 41276

V --	12	24	-	-	
V ~			110	240	
● ● ○	mA	110	70	55	65
● ○ ○	mA	95	60	55	65



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LED'S INTEGREES / BLINK- (DAUERLICHT) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 - 48 - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	Flash/min. 0-150±20
IP 54		$^{\circ}\text{C}$ -30 +50	On	1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUISHING SELBSTLOSCHEND AUTOEXTINGUIBLE



Kg. 0,09

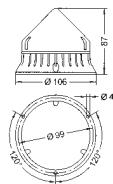
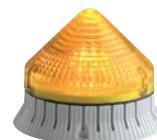
LD 085 CTL 600

LD085CTL600

(11)

LD085CTL60024DA1● 65001	LD085CTL60048DA1● 65011	LD085CTL600110A1● 65021	LD085CTL600240A1● 65031
LD085CTL60024DA2○ 65002	LD085CTL60048DA2○ 65012	LD085CTL600110A2○ 65022	LD085CTL600240A2○ 65032
LD085CTL60024DA3● 65003	LD085CTL60048DA3● 65013	LD085CTL600110A3● 65023	LD085CTL600240A3● 65033
LD085CTL60024DA4● 65004	LD085CTL60048DA4● 65014	LD085CTL600110A4● 65024	LD085CTL600240A4● 65034
LD085CTL60024DA5● 65005	LD085CTL60048DA5● 65015	LD085CTL600110A5● 65025	LD085CTL600240A5● 65035
LD085CTL60024DA6○ 65006	LD085CTL60048DA6○ 65016	LD085CTL600110A6○ 65026	LD085CTL600240A6○ 65036

V ---	24	48	-	-
V ~	110	240		
mA	70	65	20	20
mA	70	70	20	20



Kg. 0,20

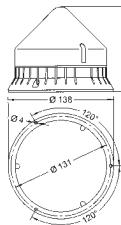
LD 165 CTL 900

LD165CTL900

(11)

LD165CTL90024DA1● 65041	LD165CTL90048DA1● 65051	LD165CTL900110A1● 65061	LD165CTL900240A1● 65071
LD165CTL90024DA2○ 65042	LD165CTL90048DA2○ 65052	LD165CTL900110A2○ 65062	LD165CTL900240A2○ 65072
LD165CTL90024DA3● 65043	LD165CTL90048DA3● 65053	LD165CTL900110A3● 65063	LD165CTL900240A3● 65073
LD165CTL90024DA4● 65044	LD165CTL90048DA4● 65054	LD165CTL900110A4● 65064	LD165CTL900240A4● 65074
LD165CTL90024DA5● 65045	LD165CTL90048DA5● 65055	LD165CTL900110A5● 65065	LD165CTL900240A5● 65075
LD165CTL90024DA6○ 65046	LD165CTL90048DA6○ 65056	LD165CTL900110A6○ 65066	LD165CTL900240A6○ 65076

V ---	24	48	-	-
V ~	110	240		
mA	90	100	20	20
mA	90	80	20	20



Kg. 0,28

LD 245 CTL 1200

LD245CTL1200

(11)

LD245CTL120024DA1● 65091	LD245CTL120048DA1● 65101	LD245CTL1200110A1● 65111	LD245CTL1200240A1● 65121
LD245CTL120024DA2○ 65092	LD245CTL120048DA2○ 65102	LD245CTL1200110A2○ 65112	LD245CTL1200240A2○ 65122
LD245CTL120024DA3● 65093	LD245CTL120048DA3● 65103	LD245CTL1200110A3● 65113	LD245CTL1200240A3● 65123
LD245CTL120024DA4● 65094	LD245CTL120048DA4● 65104	LD245CTL1200110A4● 65114	LD245CTL1200240A4● 65124
LD245CTL120024DA5● 65095	LD245CTL120048DA5● 65105	LD245CTL1200110A5● 65115	LD245CTL1200240A5● 65125
LD245CTL120024DA6○ 65096	LD245CTL120048DA6○ 65106	LD245CTL1200110A6○ 65116	LD245CTL1200240A6○ 65126

V ---	24	48	-	-
V ~	110	240		
mA	105	120	20	20
mA	105	95	20	20

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

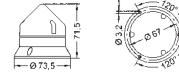


DISPOSITIVI DI SEGNALAZIONE ACUSTICO/LUMINOSA A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING SIGNALS – AUDIBLE/VISUAL / DISPOSITIFS DE SIGNALISATION ACoustIQUE/LUMINEUSE A LEDs INTEGREES / AKUSTISCHE UND OPTISCHE SIGNALGERÄTE MIT INTEGRIERTEN LED / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	---	50/60 Hz	Flash/min. 0-150±20	IP 30	<input type="checkbox"/>
	°C -30 +50	On		1 2 3 4 5 6	PC

LUCE LAMPEGGIANTE (FISSA) – SUONO INTERMITTENTE (CONTINUO) / FLASHING (CONTINUOUS) LIGHT – INTERMITTENT (CONTINUOUS) SOUND / LUMIERE CLIGNOTANTE (FIXE) – SON INTERMITTENT (CONTINUO) / BLINK- (DAUER-) LICHT – AUSSETZENDE (DAUERE) TONFOLGE / LUZ INTERMITENTE (FIJA) – SONIDO INTERMITENTE (CONTINUO)



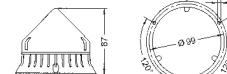
Kg. 0,09

LD 085 CTL A 600 LD085CTLA600 (3)

LD085CTLA60024DA1 ● 66001	LD085CTLA60048DA1 ● 66011	LD085CTLA600110A1 ● 66021	LD085CTLA600240A1 ● 66031
LD085CTLA60024DA2 ○ 66002	LD085CTLA60048DA2 ○ 66012	LD085CTLA600110A2 ○ 66022	LD085CTLA600240A2 ○ 66032
LD085CTLA60024DA3 ● 66003	LD085CTLA60048DA3 ● 66013	LD085CTLA600110A3 ● 66023	LD085CTLA600240A3 ● 66033
LD085CTLA60024DA4 ○ 66004	LD085CTLA60048DA4 ○ 66014	LD085CTLA600110A4 ○ 66024	LD085CTLA600240A4 ○ 66034
LD085CTLA60024DA5 ○ 66005	LD085CTLA60048DA5 ○ 66015	LD085CTLA600110A5 ○ 66025	LD085CTLA600240A5 ○ 66035
LD085CTLA60024DA6 ○ 66006	LD085CTLA60048DA6 ○ 66016	LD085CTLA600110A6 ○ 66026	LD085CTLA600240A6 ○ 66036

V ---	24	48	-	-
V ~			110	240
	mA	70	65	20 20
	mA	70	70	20 20
dB(A)1m	65	65	65	65
Hz 3600		F/m 110		F/m 0

Kg. 0,09



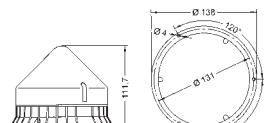
Kg. 0,21

LD 165 CTL A 900 LD165CTLA900 (3)

LD165CTLA90024DA1 ● 66041	LD165CTLA90048DA1 ● 66051	LD165CTLA900110A1 ● 66061	LD165CTLA900240A1 ● 66071
LD165CTLA90024DA2 ○ 66042	LD165CTLA90048DA2 ○ 66052	LD165CTLA900110A2 ○ 66062	LD165CTLA900240A2 ○ 66072
LD165CTLA90024DA3 ● 66043	LD165CTLA90048DA3 ● 66053	LD165CTLA900110A3 ● 66063	LD165CTLA900240A3 ● 66073
LD165CTLA90024DA4 ○ 66044	LD165CTLA90048DA4 ○ 66054	LD165CTLA900110A4 ○ 66064	LD165CTLA900240A4 ○ 66074
LD165CTLA90024DA5 ○ 66045	LD165CTLA90048DA5 ○ 66055	LD165CTLA900110A5 ○ 66065	LD165CTLA900240A5 ○ 66075
LD165CTLA90024DA6 ○ 66046	LD165CTLA90048DA6 ○ 66056	LD165CTLA900110A6 ○ 66066	LD165CTLA900240A6 ○ 66076

V ---	24	48	-	-
V ~			110	240
	mA	90	100	20 20
	mA	90	80	20 20
dB(A)1m	72	72	72	72
Hz 2700		F/m 110		F/m 0

Kg. 0,21



Kg. 0,29

LD 245 CTL A 1200 LD245CTLA1200 (3)

LD245CTLA120024DA1 ● 66081	LD245CTLA120048DA1 ● 66091	LD245CTLA1200110A1 ● 66101	LD245CTLA1200240A1 ● 66111
LD245CTLA120024DA2 ○ 66082	LD245CTLA120048DA2 ○ 66092	LD245CTLA1200110A2 ○ 66102	LD245CTLA1200240A2 ○ 66112
LD245CTLA120024DA3 ● 66083	LD245CTLA120048DA3 ● 66093	LD245CTLA1200110A3 ● 66103	LD245CTLA1200240A3 ● 66113
LD245CTLA120024DA4 ○ 66084	LD245CTLA120048DA4 ○ 66094	LD245CTLA1200110A4 ○ 66104	LD245CTLA1200240A4 ○ 66114
LD245CTLA120024DA5 ○ 66085	LD245CTLA120048DA5 ○ 66095	LD245CTLA1200110A5 ○ 66105	LD245CTLA1200240A5 ○ 66115
LD245CTLA120024DA6 ○ 66086	LD245CTLA120048DA6 ○ 66096	LD245CTLA1200110A6 ○ 66106	LD245CTLA1200240A6 ○ 66116

V ---	24	48	-	-
V ~			110	240
	mA	105	120	20 20
	mA	105	95	20 20
dB(A)1m	85	85	85	85
Hz 3600		F/m 110		F/m 0

Kg. 0,29

V 24-48-110-240 ($\pm 10\%$)	---	50/60 Hz	Flash/min. 150±20	IP 30	<input type="checkbox"/>	
°C -30+50	On	Hz (--) 650±50	Hz (~~) 300÷7000		1 2 3 4 5 6	PC

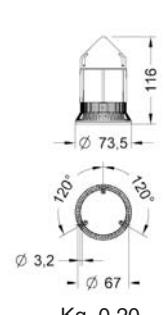
LUCE LAMPEGGIANTE – SUONO CONTINUO / FLASHING LIGHT – CONTINUOUS SOUND / LUMIERE CLIGNOTANTE – SON CONTINUO / BLINKLICHT – DAUERE TONFOLGE / LUZ INTERMITENTE – SONIDO CONTINUO



LD 85 SLH
LD85SLH
⑩ ⑪

V ---	24	48		
	mA	115	100	
	mA	115	105	
dB(A)1m	84	84		
Hz	650 ± 50			

V ~	24	48	110	240
	mA	210	180	80 60
	mA	210	185	80 60
dB(A)1m	86	86	86	86
Hz	300 ÷ 7000			



Kg. 0,20

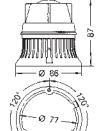
LD85SLH24D1 ● 65961	LD85SLH24A4 ● 66284	LD85SLH48A1 ● 66291	LD85SLH110A4 ● 65984
LD85SLH24D2 ○ 65962	LD85SLH24A5 ● 66285	LD85SLH48A2 ○ 66292	LD85SLH110A5 ○ 65985
LD85SLH24D3 ● 65963	LD85SLH24A6 ○ 66286	LD85SLH48A3 ● 66293	LD85SLH110A6 ○ 65986
LD85SLH24D4 ○ 65964	LD85SLH48D1 ● 65971	LD85SLH48A4 ● 66294	LD85SLH240A1 ● 65991
LD85SLH24D5 ○ 65965	LD85SLH48D2 ○ 65972	LD85SLH48A5 ● 66295	LD85SLH240A2 ○ 65992
LD85SLH24D6 ○ 65966	LD85SLH48D3 ○ 65973	LD85SLH48A6 ○ 66296	LD85SLH240A3 ● 65993
LD85SLH24A1 ● 66281	LD85SLH48D4 ○ 65974	LD85SLH110A1 ● 65981	LD85SLH240A4 ● 65994
LD85SLH24A2 ○ 66282	LD85SLH48D5 ○ 65975	LD85SLH110A2 ○ 65982	LD85SLH240A5 ○ 65995
LD85SLH24A3 ○ 66283	LD85SLH48D6 ○ 65976	LD85SLH110A3 ○ 65983	LD85SLH240A6 ○ 65996

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGREES / BLINK- (DAUERLICHT) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 V - 48 V - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	Flash/min. 0-150±20
IP 54		°C -30 +50	On	PC



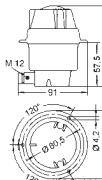
Kg. 0,16

LD 125 MICRO
LD125MC

(11)

LD125MC24DA1 ● 65131	LD125MC48DA1 ● 65141	LD125MC110A1 ● 65151	LD125MC240A1 ● 65161
LD125MC24DA2 ○ 65132	LD125MC48DA2 ○ 65142	LD125MC110A2 ○ 65152	LD125MC240A2 ○ 65162
LD125MC24DA3 ● 65133	LD125MC48DA3 ● 65143	LD125MC110A3 ● 65153	LD125MC240A3 ● 65163
LD125MC24DA4 ○ 65134	LD125MC48DA4 ○ 65144	LD125MC110A4 ○ 65154	LD125MC240A4 ○ 65164
LD125MC24DA5 ○ 65135	LD125MC48DA5 ○ 65145	LD125MC110A5 ○ 65155	LD125MC240A5 ○ 65165
LD125MC24DA6 ○ 65136	LD125MC48DA6 ○ 65146	LD125MC110A6 ○ 65156	LD125MC240A6 ○ 65166

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



Kg. 0,19

LD 125 MICRO R
LD125MCR

(11)

LD125MCR24DA1 ● 65171	LD125MCR48DA1 ● 65181	LD125MCR110A1 ● 65191	LD125MCR240A1 ● 65201
LD125MCR24DA2 ○ 65172	LD125MCR48DA2 ○ 65182	LD125MCR110A2 ○ 65192	LD125MCR240A2 ○ 65202
LD125MCR24DA3 ● 65173	LD125MCR48DA3 ● 65183	LD125MCR110A3 ● 65193	LD125MCR240A3 ● 65203
LD125MCR24DA4 ○ 65174	LD125MCR48DA4 ○ 65184	LD125MCR110A4 ○ 65194	LD125MCR240A4 ○ 65204
LD125MCR24DA5 ○ 65175	LD125MCR48DA5 ○ 65185	LD125MCR110A5 ○ 65195	LD125MCR240A5 ○ 65205
LD125MCR24DA6 ○ 65176	LD125MCR48DA6 ○ 65186	LD125MCR110A6 ○ 65196	LD125MCR240A6 ○ 65206

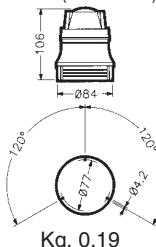
V ---	24	48	-	-
V ~			110	240
mA	90	65	20	20
mA	80	65	20	20

DISPOSITIVO DI SEGNALAZIONE ACUSTICO/LUMINOSA A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING SIGNAL – AUDIBLE/VISUAL / DISPOSITIF DE SIGNALISATION ACOUTIQUE/LUMINEUSE A LEDS INTEGREES / AKUSTISCHES UND OPTISCHES SIGNALGERÄT MIT INTEGRIERTEN LED / DISPOSITIVO DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24 V - 48 V - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	Flash/min. 0-150±20	IP 30	
		°C -30 +50	On	PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

LUCE LAMPEGGIANTE (FISSA) – SUONO INTERMITTENTE (CONTINUO) / FLASHING (CONTINUOUS) LIGHT – INTERMITTENT (CONTINUOUS) SOUND / LUMIERE CLIGNOTANTE (FIXE) – SON INTERMITTENT (CONTINUO) / BLINK- (DAUER-) LICHT – AUSSETZENDE (DAUERE) TONFOLGE / LUZ INTERMITENTE (FIJA) – SONIDO INTERMITENTE (CONTINUO)



Kg. 0,19

LD 125 MICRO A
LD125MCA

(11)

LD125MCA24DA1 ● 66121	LD125MCA48DA1 ● 66131	LD125MCA110A1 ● 66141	LD125MCA240A1 ● 66151
LD125MCA24DA2 ○ 66122	LD125MCA48DA2 ○ 66132	LD125MCA110A2 ○ 66142	LD125MCA240A2 ○ 66152
LD125MCA24DA3 ● 66123	LD125MCA48DA3 ● 66133	LD125MCA110A3 ● 66143	LD125MCA240A3 ● 66153
LD125MCA24DA4 ○ 66124	LD125MCA48DA4 ○ 66134	LD125MCA110A4 ○ 66144	LD125MCA240A4 ○ 66154
LD125MCA24DA5 ○ 66125	LD125MCA48DA5 ○ 66135	LD125MCA110A5 ○ 66145	LD125MCA240A5 ○ 66155
LD125MCA24DA6 ○ 66126	LD125MCA48DA6 ○ 66136	LD125MCA110A6 ○ 66146	LD125MCA240A6 ○ 66156

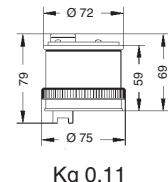
V ---	24	48	-	-
V ~			110	240
mA	90	65	20	20
mA	80	65	20	20
dB(A)1m	75	75	75	75
Hz 2700			F/m 130	

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

TOWER SECTOR - LD TWS LUCE FISSA A LED INTEGRATI

TOWER SECTOR - LD TWS LED INTEGRATED CONTINUOUS LIGHT / TOWER SECTOR - LD TWS LUMIERE FIXE A LED'S INTEGREES / TOWER SECTOR - LD TWS DAUERLICHT MIT INTEGRIERTEN LED / TOWER SECTOR - LD TWS LUZ FIJA DE LED'S INTEGRADOS

V 24 - 48 - 110~ - 240~ ($\pm 10\%$)		50/60 Hz	IP 65	
°C -30 +50	On		1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



Kg 0,11

LD 125 TWS F
LD125TWSF

(2)

V ---	24	48	-	-
V ~	110	240		
mA	90	65	20	20
mA	80	65	20	20

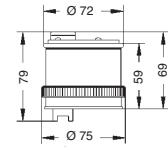
LD125TWSF24DA1 ● 66721	LD125TWSF48DA1 ● 66731	LD125TWSF110A1 ● 66741	LD125TWSF240A1 ● 66751
LD125TWSF24DA2 ○ 66722	LD125TWSF48DA2 ○ 66732	LD125TWSF110A2 ○ 66742	LD125TWSF240A2 ○ 66752
LD125TWSF24DA3 ● 66723	LD125TWSF48DA3 ● 66733	LD125TWSF110A3 ● 66743	LD125TWSF240A3 ● 66753
LD125TWSF24DA4 ○ 66724	LD125TWSF48DA4 ○ 66734	LD125TWSF110A4 ○ 66744	LD125TWSF240A4 ○ 66754
LD125TWSF24DA5 ○ 66725	LD125TWSF48DA5 ○ 66735	LD125TWSF110A5 ○ 66745	LD125TWSF240A5 ○ 66755
LD125TWSF24DA6 ○ 66726	LD125TWSF48DA6 ○ 66736	LD125TWSF110A6 ○ 66746	LD125TWSF240A6 ○ 66756



TOWER SECTOR - LD TWS LUCE LAMPEGGIANTE A LED INTEGRATI

TOWER SECTOR - LD TWS LED INTEGRATED FLASHING LIGHT / TOWER SECTOR - LD TWS LUMIERE CLIGNOTANTE A LED'S INTEGREES / TOWER SECTOR - LD TWS BLINKLIGHT MIT INTEGRIERTEN LED / TOWER SECTOR - LD TWS LUZ INTERMITENTE DE LED'S INTEGRADOS

V 24 - 48 - 110~ - 240~ ($\pm 10\%$)		50/60 Hz	Flash/min. 150±20	
IP 65	°C -30 +50	On		1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



Kg 0,12

LD 125 TWS L
LD125TWSL

(2)

V ---	24	48	-	-
V ~	110	240		
mA	90	65	20	20
mA	80	65	20	20

COLONNA TWS
A LED INTEGRATI

LED INTEGRATED
TWS TOWER

COLONNE TWS
AVEC LED'S
INTEGREES

LICHTSÄULE
TWS MIT
INTEGRIERTEN LED

COLUMNAS
TWS DE LED'S
INTEGRADOS

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

TOWER SECTOR - COMPONENTI TWS

TOWER SECTOR – TWS MODULES / TOWER SECTOR – ELEMENTS TWS /
TOWER SECTOR – TWS ELEMENTE / TOWER SECTOR – MÓDULOS TWS

V MAX 240	IP 65	°C -30 +60	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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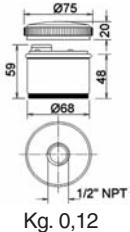


TWS B.C. BASE DI CABLAGGIO + CAPPELLO

WIRING BASE + COVER
BASE DE CABLAGE + COUVERCLE
VERDRAHTUNGSSOCKEL + DECKEL
BASE DE CABLEADO + TAPA

(2)

TWSBC 27700



Kg. 0,12

Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

V 12÷48~ -110÷240~ (±10%)	---	~ 50/60 Hz	IP 54
<input type="checkbox"/>		°C -30 +60	On ∞ AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

TWS A



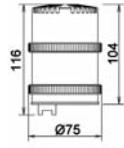
MODULO ACUSTICO PIEZO ELETTRICO 6 SUONI SELEZIONABILI DA DIP SWITCH

PIEZOELECTRIC ACOUSTIC MODULE 6 SOUNDS
CAN BE SELECTED BY MEANS OF THE DIP SWITCH /
ELEMENT ACOUSTIQUE PIEZO-ELECTRIQUE 6 Sons
A SELECTIONNER PAR DIP SWITCH /
AKUSTISCHES PZOELEKTRISCHES ELEMENT 6 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR DURCH DIP-SWITCH /
MÓDULO ACÚSTICO PIEZOELECTRICO 6 TONOS
SELECCIONABLES POR DIP SWITCH

(2)

V ---	12 ÷ 24 ÷ 48			-	-	-
V ~	110 ÷ 230 ÷ 240					
mA	2.7	6	13	4	8	8.5
Hz	2500			(± 100 Hz)		

TWSAMT1248DAIP54 27718
TWSAMT110240AIP54 27719



Kg. 0,13

V 12÷48~ -110÷240~ (±10%)	---	~ 50/60 Hz	IP 65
<input type="checkbox"/>		°C -30 +60	On ∞ AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

TWS A IP65



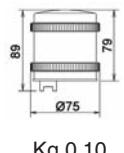
MODULO ACUSTICO PIEZO ELETTRICO 6 SUONI SELEZIONABILI DA DIP SWITCH

PIEZOELECTRIC ACOUSTIC MODULE 6 SOUNDS CAN BE
SELECTED BY MEANS OF THE DIP SWITCH /
ELEMENT ACOUSTIQUE PIEZO-ELECTRIQUE 6 Sons
A SELECTIONNER PAR DIP SWITCH /
AKUSTISCHES PZOELEKTRISCHES ELEMENT 6 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR DURCH DIP-SWITCH /
MÓDULO ACÚSTICO PIEZOELECTRICO
6 TONOS SELECCIONABLES POR DIP SWITCH

(2)

V ---	12 ÷ 24 ÷ 48			-	-	-
V ~	110 ÷ 230 ÷ 240					
mA	2.7	6	13	4	8	8.5
Hz	2500			(± 100 Hz)		

TWSAMT1248DAIP65 27728
TWSAMT110240AIP65 27729



Kg. 0,10

V 12/24~ -48~ -110~ -230/240~ (±10%)	---	~ 50/60 Hz	IP 54
<input type="checkbox"/>		°C -30 +60	On ∞ AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

TWS AM



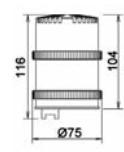
MODULO ACUSTICO MAGNETODINAMICO 32 SUONI SELEZIONABILI DA DIP SWITCH

MAGNETODYNAMIC ACOUSTIC MODULE 32 SOUNDS CAN BE
SELECTED BY MEANS OF THE DIP SWITCH /
ELEMENT ACOUSTIQUE MAGNETO-DYNAMIQUE
32 Sons A SELECTIONNER PAR DIP SWITCH /
AKUSTISCHES MAGNETODYNAMISCHE ELEMENT 32 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR DURCH DIP-SWITCH /
MÓDULO ACÚSTICO MAGNETODINAMICO
32 TONOS SELECCIONABLES POR DIP SWITCH

(2)

V ---	12/24		-	-	-	-
V ~	48 110 230/240					

TWSAM1224DA 27790
TWSAM48A 27791
TWSAM110A 27792
TWSAM230240A 27793



Kg. 0,24

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

MINI TOWER SECTOR LD MINI TWS LUCE FISSA/LAMPEGGIANTE A LED INTEGRATI

MINI TOWER SECTOR – LD MINI TWS LED INTEGRATED CONTINUOUS/FLASHING LIGHT / MINI TOWER SECTOR – LD MINI TWS LUMIERE FIXE/CLIGNOTANTE A LED'S INTEGREES / MINI TOWER SECTOR – LD MINI TWS DAUER-/BLINKLICHT MIT INTEGRIERTEN LED / MINI TOWER SECTOR – LD MINI TWS LUZ FIJA/INTERMITENTE DE LED'S INTEGRADOS



V24 AC - 110~ 240~(±10%)			50/60 Hz	Flash/min.0-150±20	IP 65
	°C -30 +50	On		1 2 3 4 5 6	PC



LD MINI TWS F/L
LDMINITWSFL

2

LDMINITWSFL24DA1	● 31501	LDMINITWSFL110A1	● 31511	LDMINITWSFL240A1	● 31521
LDMINITWSFL24DA2	● 31502	LDMINITWSFL110A2	● 31512	LDMINITWSFL240A2	● 31522
LDMINITWSFL24DA3	● 31503	LDMINITWSFL110A3	● 31513	LDMINITWSFL240A3	● 31523
LDMINITWSFL24DA4	● 31504	LDMINITWSFL110A4	● 31514	LDMINITWSFL240A4	● 31524
LDMINITWSFL24DA5	● 31505	LDMINITWSFL110A5	● 31515	LDMINITWSFL240A5	● 31525
1 LDMINITWSFL24DA6	● 31506	1 LDMINITWSFL110A6	● 31516	1 LDMINITWSFL240A6	● 31526

	V ---	24	-	-
	V ~		110	240
● ● ○	mA	30	65	55
○ ○ ○	mA	30	65	55

MINI TOWER SECTOR – COMPONENTI MINI TWS

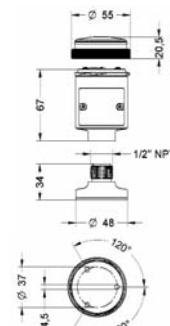
MINI TOWER SECTOR – MINI TWS MODULES / MINI TOWER SECTOR – ELEMENTS MINI TWS,
MINI TOWER SECTOR – MINI TWS ELEMENTS / MINI TOWER SECTOR – MÓDULOS MINI TWS

V MAX 240 **IP 65** **°C -30 +50** **AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE**



**MINI TWS B.C.
BASE DI CABLAGGIO
+ CAPPELLO + BASETTA**
WIRING BASE + COVER + FOOT
BASE DE CABLAGE + COUVERCLE + BASE DE FIXATION
VERDRAHTUNGSSOCKEL + DECKEL + FUSS
BASE DE CABLEADO + TAPA + PIE

MINITAB/SBC 31500



Kg. 0.10

Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

V _{24~ -110~ -240~} ($\pm 10\%$)	---	\sim 50/60 Hz	IP 54
		$^{\circ}\text{C}$ -30 +50	On ∞



MINI TWS A

MODULO ACUSTICO MAGNETODINAMICO

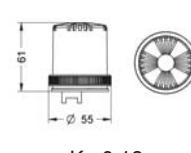
MAGNETODYNAMIC ACOUSTIC MODULE

ELEMENT ACoustIQUE MAGNETO-DYNAMIQUE

AKUSTISCHES MAGNETODYNAMISCHES ELEMENT

MÓDULO ACÚSTICO MAGNETODINÁMICO

V \equiv	24	-	-
V \sim		110	240
mA	130	10	15
dB(A) 1m	77	77	77
Hz	800 / 1000		



Kg 0,18

MINITWSA24DA 31531
MINITWSA110A 31532
MINITWSA240A 31533

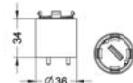
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos.

BABY TOWER SECTOR LD BABY TWS LUCE FISSA A LED INTEGRATI

BABY TOWER SECTOR – LD BABY TWS LED INTEGRATED CONTINUOUS LIGHT / BABY TOWER SECTOR – LD BABY TWS LUMIERE FIXE A LEDS INTEGREES / BABY TOWER SECTOR – LD BABY TWS DAUERLICHT MIT INTEGRIERTEN LED / BABY TOWER SECTOR – LD BABY TWS LUZ FIJA DE LED'S INTEGRADOS



V 24V ($\pm 10\%$)	\equiv	\sim 50/60 Hz	IP 65	<input type="checkbox"/>	°C -30 +50
On ∞			PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



Kg 0,017

LD BABY TWS F
LDBABYTWSF

(2)

LDBABYTWSF24DA1 ● 36451
LDBABYTWSF24DA2 ○ 36452
LDBABYTWSF24DA3 ● 36453
LDBABYTWSF24DA4 ● 36454
LDBABYTWSF24DA5 ○ 36455
LDBABYTWSF24DA6 ○ 36456

V ---	24
V ~	
mA	50
mA	45
mA	50
mA	40
mA	45
mA	50

BABY TOWER SECTOR – COMPONENTI BABY TWS

BABY TOWER SECTOR – BABY TWS MODULES / BABY TOWER SECTOR – ELEMENTS BABY TWS
BABY TOWER SECTOR – BABY TWS ELEMENTE / BABY TOWER SECTOR – MÓDULOS BABY TWS

V MAX 240	IP 65	°C -30 +50	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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BABY TWS B.C.

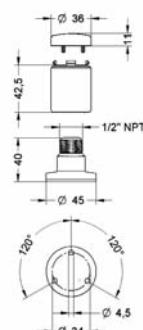
BASE DI CABLAGGIO
+ CAPPELLO + BASETTA

WIRING BASE + COVER + FOOT

BASE DE CABLAGE + COUVERCLE + BASE DE FIXATION
VERDRAHTUNGSSOCKEL + DECKEL + FUSS
BASE DE CABLEADO + TAPA + PIE

(2)

BABYTWSBC 36450



Kg 0,055

Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

V 24V ($\pm 10\%$)	\equiv	\sim 50/60 Hz	IP 54
<input type="checkbox"/>		°C -30 +50	On ∞



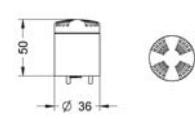
BABY TWS A
MODULO ACUSTICO PIEZOELETTRICO

PIEZOELECTRIC ACOUSTIC MODULE
ELEMENT ACOUSTIQUE PIEZO-ELECTRIQUE
AKUSTISCHES PIZOELEKTRISCHES ELEMENT
MÓDULO ACÚSTICO PIEZOLEÉCTRICO

(2)

V ---	24
V ~	
mA	10
dB(A) 1m	72
Hz	4000-300

BABYTWSA24DA 36464



Kg 0,044

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



ACCESSORI TWS - MINI TWS - BABY TWS

ACCESSORIES TWS - MINI TWS - BABY TWS / ACCESSOIRES TWS - MINI TWS - BABY TWS /
ZUBEHÖR TWS - MINI TWS - BABY TWS / ACCESORIOS TWS - MINI TWS - BABY TWS

BASSETTA - con O-Ring e guarnizione di base

FOOT – with O-Ring and base gasket / SOCLE – avec joint torique et joint de base / FÜB – mit O-Ring und Sockeldichtung / PIE – con OR y junta de base



PA

TWS BS

TWSBS 27760



Kg. 0,03

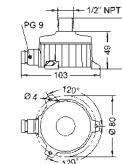
BOX DI GIUNZIONE

JUNCTION BOX

BOITE DE JONCTION

ANSCHLUSSKASTEN

CAJA DE CONEXIÓN



Kg. 0,1

TWS BOX PG9

TWSBOXPG9 27777

PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili

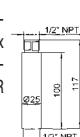
EXTENSION STEM (h. 10 cm. – stackable) – with O-Ring and two removable snap-shut stoppers / RALLONGE (h. 10 cm. – superposable) – avec joint torique et deux bouchons à déclenchement amovibles / VERLÄNGERUNG (h. 10 cm. – übereinanderlegbar) – mit O-Ring und zwei abnehmbaren Schnapp-Füllstücke / PROLONGADOR (h. 10 cm. – sobreponible) – con OR y dos tapones a salto amovibles



PA

TWS PR

TWSPR 27761



Kg. 0,03

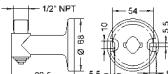
BASE A PARETE 1 FILETTO - con O-Ring e guarnizione di base

1 THREAD WALL SUPPORT – with O-Ring and base gasket / SUPPORT MURAL A 1 FILET – avec joint torique et joint de base / 1 GEWINDE-WANDHALTERUNG – mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 1 ROSCA – con OR y junta de base



TWS BP 1

PA



Kg. 0,04

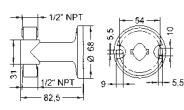
BASE A PARETE 2 FILETTI - con O-Ring e guarnizione di base

2 THREAD WALL SUPPORT – with O-Ring and base gasket / SUPPORT MURAL A 2 FILETS – avec joint torique et joint de base / 2 GEWINDE-WANDHALTERUNG – mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 2 ROSCAS – con OR y junta de base



TWS BP 2

PA



Kg. 0,05

1 PR + 1 BS - con O-Ring, guarnizione di base e due guance a scatto amovibili

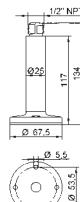
1 PR + 1 BS – with O-Ring, base gasket and two removable snap-shut stoppers / 1 PR + 1 BS – avec joint torique, joint de base et deux bouchons à déclenchement amovibles / 1 PR + 1 BS – mit O-Ring, Sockeldichtung und zwei abnehmbaren Schnapp-Füllstücke / 1 PR + 1 BS – con OR, junta de base y dos tapones a salto amovibles



PA

TWS KIT

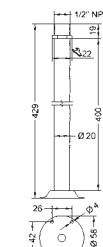
TWSKIT 27764



Kg. 0,06

TWS KIT INOX L/400

TWSKITINOXL400 27767



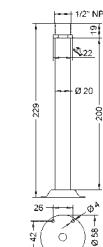
Kg. 0,28

PROLUNGA ACCIAIO INOX (h. 200 mm) con O-Ring

STAINLESS STEEL EXTENSION STEM (h. 200 mm) with O-Ring / RALLONGE ACIER INOX (h. 200 mm) avec joint torique / VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 200 mm) mit O-Ring / PROLONGADOR DE ACERO INOX (h. 200 mm) – con OR



TWSKITINOXL400 27767



Kg. 0,18

TWS KIT INOX L/200

TWSKITINOXL200 27766



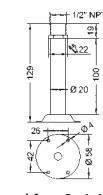
Kg. 0,18

PROLUNGA ACCIAIO INOX (h. 100 mm) con O-Ring

STAINLESS STEEL EXTENSION STEM (h. 100 mm) with O-Ring / RALLONGE ACIER INOX (h. 100 mm) avec joint torique / VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 100 mm) mit O-Ring / PROLONGADOR DE ACERO INOX (h. 100 mm) – con OR

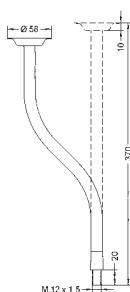


TWSKITINOXL200 27766



Kg. 0,14

N TWS PF2



Kg. 0,26

NTWSPF2 27696

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

MICRO TOWER SECTOR LD MICRO TWS LUCE FISSA A LED INTEGRATI

MICRO TOWER SECTOR – LD MICRO TWS LED INTEGRATED CONTINUOUS LIGHT / MICRO TOWER SECTOR – LD MICRO TWS LUMIERE FIXE A LEDS INTEGREGES / MICRO TOWER SECTOR – LD MICRO TWS DAUERLICHT MIT INTEGRIERTEN LED / MICRO TOWER SECTOR – LD MICRO TWS LUZ FIJA DE LED'S INTEGRADOS



V ₂₄ ~ (±10%)	---	50/60 Hz	IP 65	□	°C -30 +50
On ∞	•→ 1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE		



Kg 0,008

LD MICRO TWS F

LDMICROTWSF

(2)

LDMICROTWSF24DA1 ● 31571
LDMICROTWSF24DA2 ○ 31572
LDMICROTWSF24DA3 ● 31573
LDMICROTWSF24DA4 ● 31574
LDMICROTWSF24DA5 ○ 31575
LDMICROTWSF24DA6 ○ 31576

V ---	24
V ~	
mA	30
●	mA 30
●	mA 30
●	mA 30
●	mA 25
○	mA 35

MICRO TOWER SECTOR – COMPONENTI MICRO TWS

MICRO TOWER SECTOR – MICRO TWS MODULES / MICRO TOWER SECTOR – ELEMENTS MICRO TWS / MICRO TOWER SECTOR – MICRO TWS ELEMENTE / MICRO TOWER SECTOR – MÓDULOS MICRO TWS

V MAX 24

IP 65

°C -30 +50

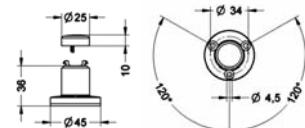
AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



MICRO TWS B.C. BASE DI CABLAGGIO

+ CAPPELLO

WIRING BASE + COVER
BASE DE CABLAGE + COUVERCLE
VERDRAHTUNGSSOCKEL + DECKEL
BASE DE CABLEADO + TAPA



Kg 0,029

(2)

Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

V₂₄~ (±10%)

50/60 Hz

IP 54



°C -30 +50

On ∞

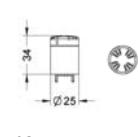
AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



MICRO TWS A MODULO ACUSTICO PIEZOLELETRICO

PIEZOELECTRIC ACOUSTIC MODULE
ELEMENT ACoustIQUE PIEZO-ELECTRIQUE
AKUSTISCHES PIEZOLEKTRISCHES ELEMENT
MÓDULO ACÚSTICO PIEZOLEÉCTRICO

V ---	24
V ~	
mA	5
dB(A) 1m	65
Hz	3600±300



Kg 0,016

(2)

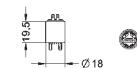
MICROTWSA24DA 31538

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

NANO TOWER SECTOR LD NANO TWS LUCE FISSA A LED INTEGRATI

NANO TOWER SECTOR – LD NANO TWS LED INTEGRATED CONTINUOUS LIGHT / NANO TOWER SECTOR – LD NANO TWS LUMIERE FIXE A LEDS INTEGREES / NANO TOWER SECTOR – LD NANO TWS DAUERLICHT MIT INTEGRIERTEN LED / NANO TOWER SECTOR – LD NANO TWS LUZ FIJA DE LED'S INTEGRADOS

V 24~ (±10%)	—	~ 50/60 Hz	IP 65	□	°C -30 +50
On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



LD NANO TWS F

LDNANOTWSF

(2)

Kg 0,004

LDNANOTWSF24DA1 ● 31581
LDNANOTWSF24DA2 ○ 31582
LDNANOTWSF24DA3 ● 31583
LDNANOTWSF24DA4 ● 31584
LDNANOTWSF24DA5 ○ 31585
LDNANOTWSF24DA6 ○ 31586

V —	24
V ~	
● mA	15
○ mA	15



NANO TOWER SECTOR – COMPONENTI NANO TWS

NANO TOWER SECTOR – NANO TWS MODULES / NANO TOWER SECTOR – ELEMENTS NANO TWS / NANO TOWER SECTOR – NANO TWS ELEMENTE / NANO TOWER SECTOR – MÓDULOS NANO TWS

V MAX 24	IP 65	°C -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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NANO TWS B.C.

BASE DI CABLAGGIO
+ CAPPELLO

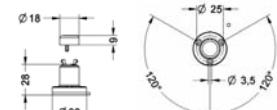
WIRING BASE + COVER

BASE DE CABLAGE + COUVERCLE

VERDRAHTUNGSSOCKEL + DECKEL

BASE DE CABLEADO + TAPA

(2)



Kg 0,014

NANOTWSBC 31587

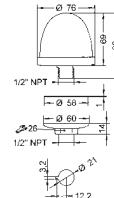
Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

LUCI FISSE A LED INTEGRATI

LED INTEGRATED CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE A LEDS INTEGREES / DAUERLICHTLEUCHTEN MIT INTEGRIERTEN LED / LUCES FIJAS DE LED'S INTEGRADOS

V 24⎓ - 48⎓ - 110~ - 240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	IP 65	
°C -30 +50	On ∞	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



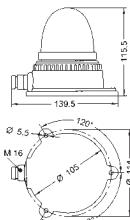
Kg. 0,13

LD 125 OVO F
LD125OVOF

(11)

LD125OVOF24DA1 ● 66601	LD125OVOF48DA1 ● 66611	LD125OVOF110A1 ● 66621	LD125OVOF240A1 ● 66631
LD125OVOF24DA2 ○ 66602	LD125OVOF48DA2 ○ 66612	LD125OVOF110A2 ○ 66622	LD125OVOF240A2 ○ 66632
LD125OVOF24DA3 ● 66603	LD125OVOF48DA3 ● 66613	LD125OVOF110A3 ● 66623	LD125OVOF240A3 ● 66633
LD125OVOF24DA4 ○ 66604	LD125OVOF48DA4 ○ 66614	LD125OVOF110A4 ○ 66624	LD125OVOF240A4 ○ 66634
LD125OVOF24DA5 ○ 66605	LD125OVOF48DA5 ○ 66615	LD125OVOF110A5 ○ 66625	LD125OVOF240A5 ○ 66635
LD125OVOF24DA6 ○ 66606	LD125OVOF48DA6 ○ 66616	LD125OVOF110A6 ○ 66626	LD125OVOF240A6 ○ 66636

V ⎓	24	48	-	-
V ~			110	240
mA	90	65	20	20
mA	80	65	20	20



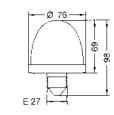
Kg. 0,22

LD 125 OVO F PG9
LD125OVOPG9

(11)

LD125OVOPG924DA1 ● 66641	LD125OVOPG948DA1 ● 66651	LD125OVOPG9110A1 ● 66661	LD125OVOPG9240A1 ● 66671
LD125OVOPG924DA2 ○ 66642	LD125OVOPG948DA2 ○ 66652	LD125OVOPG9110A2 ○ 66662	LD125OVOPG9240A2 ○ 66672
LD125OVOPG924DA3 ● 66643	LD125OVOPG948DA3 ● 66653	LD125OVOPG9110A3 ● 66663	LD125OVOPG9240A3 ● 66673
LD125OVOPG924DA4 ○ 66644	LD125OVOPG948DA4 ○ 66654	LD125OVOPG9110A4 ○ 66664	LD125OVOPG9240A4 ○ 66674
LD125OVOPG924DA5 ○ 66645	LD125OVOPG948DA5 ○ 66655	LD125OVOPG9110A5 ○ 66665	LD125OVOPG9240A5 ○ 66675
LD125OVOPG924DA6 ○ 66646	LD125OVOPG948DA6 ○ 66656	LD125OVOPG9110A6 ○ 66666	LD125OVOPG9240A6 ○ 66676

V ⎓	24	48	-	-
V ~			110	240
mA	90	65	20	20
mA	80	65	20	20



Kg. 0,10

LD 125 OVO F E
LD125OVOF

(11)

LD125OVOF24DA1 ● 66681	LD125OVOF48DA1 ● 66691	LD125OVOF110A1 ● 66701	LD125OVOF240A1 ● 66711
LD125OVOF24DA2 ○ 66682	LD125OVOF48DA2 ○ 66692	LD125OVOF110A2 ○ 66702	LD125OVOF240A2 ○ 66712
LD125OVOF24DA3 ● 66683	LD125OVOF48DA3 ○ 66693	LD125OVOF110A3 ○ 66703	LD125OVOF240A3 ○ 66713
LD125OVOF24DA4 ○ 66684	LD125OVOF48DA4 ○ 66694	LD125OVOF110A4 ○ 66704	LD125OVOF240A4 ○ 66714
LD125OVOF24DA5 ○ 66685	LD125OVOF48DA5 ○ 66695	LD125OVOF110A5 ○ 66705	LD125OVOF240A5 ○ 66715
LD125OVOF24DA6 ○ 66686	LD125OVOF48DA6 ○ 66696	LD125OVOF110A6 ○ 66706	LD125OVOF240A6 ○ 66716

V ⎓	24	48	-	-
V ~			110	240
mA	90	65	20	20
mA	80	65	20	20

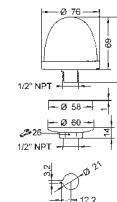
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LED'S INTEGREES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 --- - 48 --- 24 ~ 48 ~	- 110~ - 240~ ($\pm 10\%$)	---	50/60 Hz	Flash/min. 0-150±20
IP 65	□	°C -30 +50	On ∞	1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINGUISHING AUDETINIGÜBELL SELBSTLÖSCHEND AUTOEXTINGUILBLE



Kg. 0,13

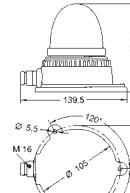
LD 125 OVO

LD125OVO

(11)

LD125OVO24DA1●66301	LD125OVO48DA1●66311	LD125OVO110A1●66321	LD125OVO240A1●66331
LD125OVO24DA2●66302	LD125OVO48DA2●66312	LD125OVO110A2●66322	LD125OVO240A2●66332
LD125OVO24DA3●66303	LD125OVO48DA3●66313	LD125OVO110A3●66323	LD125OVO240A3●66333
LD125OVO24DA4●66304	LD125OVO48DA4●66314	LD125OVO110A4●66324	LD125OVO240A4●66334
LD125OVO24DA5●66305	LD125OVO48DA5●66315	LD125OVO110A5●66325	LD125OVO240A5●66335
LD125OVO24DA6●66306	LD125OVO48DA6●66316	LD125OVO110A6●66326	LD125OVO240A6●66336

V ---	24	48	-	-
V ~	110	240		
mA	90	65	20	20
mA	80	65	20	20



Kg. 0,22

LD 125 OVO PG9

LD125OVO PG9

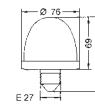
(11)

LD125OVO PG924DA1●66341	LD125OVO PG948DA1●66351	LD125OVO PG9110A1●66361	LD125OVO PG9240A1●66371
LD125OVO PG924DA2●66342	LD125OVO PG948DA2●66352	LD125OVO PG9110A2●66362	LD125OVO PG9240A2●66372
LD125OVO PG924DA3●66343	LD125OVO PG948DA3●66353	LD125OVO PG9110A3●66363	LD125OVO PG9240A3●66373
LD125OVO PG924DA4●66344	LD125OVO PG948DA4●66354	LD125OVO PG9110A4●66364	LD125OVO PG9240A4●66374
LD125OVO PG924DA5●66345	LD125OVO PG948DA5●66355	LD125OVO PG9110A5●66365	LD125OVO PG9240A5●66375
LD125OVO PG924DA6●66346	LD125OVO PG948DA6●66356	LD125OVO PG9110A6●66366	LD125OVO PG9240A6●66376

V ---	24	48	-	-
V ~	110	240		
mA	90	65	20	20
mA	80	65	20	20

LUCE LAMPEGGIANTE A LED INTEGRATI

LED INTEGRATED FLASHING BEACON / FEU CLIGNOTANT A LED'S INTEGREES /
BLINKLEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE DE LED'S INTEGRADOS



Kg. 0,10

LD 125 OVO L E

LD125OVOLE

(11)

LD125OVOLE24DA1●66381	LD125OVOLE48DA1●66391	LD125OVOLE110A1●66401	LD125OVOLE240A1●66411
LD125OVOLE24DA2●66382	LD125OVOLE48DA2●66392	LD125OVOLE110A2●66402	LD125OVOLE240A2●66412
LD125OVOLE24DA3●66383	LD125OVOLE48DA3●66393	LD125OVOLE110A3●66403	LD125OVOLE240A3●66413
LD125OVOLE24DA4●66384	LD125OVOLE48DA4●66394	LD125OVOLE110A4●66404	LD125OVOLE240A4●66414
LD125OVOLE24DA5●66385	LD125OVOLE48DA5●66395	LD125OVOLE110A5●66405	LD125OVOLE240A5●66415
LD125OVOLE24DA6●66386	LD125OVOLE48DA6●66396	LD125OVOLE110A6●66406	LD125OVOLE240A6●66416

V ---	24	48	-	-
V ~	110	240		
mA	90	65	20	20
mA	80	65	20	20

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

SISTEMI DI MONTAGGIO - LD 125 OVO

LD 125 OVO MOUNTING SYSTEMS / SYSTEMES DE MONTAGE – LD 125 OVO /
LD 125 OVO MONTAGE SYSTEME / SISTEMAS DE MONTAJE LD 125 OVO

ADATTATORE FEMMINA - FEMMINA / FEMALE - FEMALE ADAPTER / ADAPTATEUR FEMELLE - FEMELLE / PASSSTÜCK (INNENGEWINDE) / ADAPTADOR HEMBRA - HEMBRA



PA

TWS AFF

TWSAFF 27697



Kg. 0,01

ADATTATORE NECESSARIO PER MONTARE I SEGUENTI ACCESSORI: / BASIC ADAPTER TO MOUNT THE FOLLOWING ACCESSORIES: / ADAPTATEUR INDISPENSABLE POUR MONTER LES ACCESSOIRES SUIVANTS: / PASSSTÜCK ERFORDERLICH FÜR DIE MONTAGE DER FOLGENDEN ZUBEHÖRE: / ADAPTADOR INDISPENSABLE PARA EL MONTAJE DE LOS ACCESORIOS SIGUIENTES:

BASETTA - con O-Ring e guarnizione di base

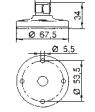
FOOT – with O-Ring and base gasket / SOCLE – avec joint torique et joint de base / FUß – mit O-Ring und Sockeldichtung / PIE – con OR y junta de base



PA

TWS BS

TWSBS 27760



Kg. 0,03

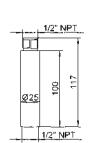
PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili / EXTENSION STEM (h. 10 cm. – stackable) – with O-Ring and two removable snap-shut stoppers / RALLONGE (h. 10 cm. – superposable) – avec joint torique et deux bouchons à déclenchement amovibles / VERLÄNGERUNG (h. 10 cm. – übereinanderlegbar) – mit O-Ring und zwei abnehmbaren Schnapp-Füllstücken / PROLONGADOR (h. 10 cm. – sobreponible) – con OR y dos taponcitos a saltos amovibles



PA

TWS PR

TWSPR 27761



Kg. 0,03

BASE A PARETE 1 FILETTO - con O-Ring e guarnizione di base

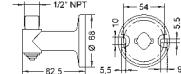
1 THREAD WALL SUPPORT – with O-Ring and base gasket / SUPPORT MURAL A 1 FILET – avec joint torique et joint de base / 1 GEWINDE-WANDHALTERUNG – mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 1 ROSCA – con OR y junta de base



PA

TWS BP 1

TWSBP1 27762



Kg. 0,04

BASE A PARETE 2 FILETTI - con O-Ring e guarnizione di base

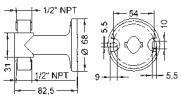
2 THREAD WALL SUPPORT – with O-Ring and base gasket / SUPPORT MURAL A 2 FILETS – avec joint torique et joint de base / 2 GEWINDE-WANDHALTERUNG – mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 2 ROSCAS – con OR y junta de base



PA

TWS BP 2

TWSBP2 27763



Kg. 0,05

1 PR + 1 BS - con O-Ring, guarnizione di base e due guance a scatto amovibili

1 PR + 1 BS – with O-Ring, base gasket and two removable snap-shut stoppers / 1 PR + 1 BS – avec joint torique, joint de base et deux bouchons à déclenchement amovibles / 1 PR + 1 BS – mit O-Ring, Sockeldichtung und zwei abnehmbaren Schnapp-Füllstücken / 1 PR + 1 BS – con OR, junta de base y dos taponcitos a saltos amovibles

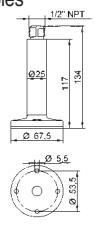


PA

TWS KIT

TWSKIT 27764

Kg. 0,06



BOX DI GIUNZIONE

JUNCTION BOX / BOITE DE JONCTION / ANSCHLUSSKASTEN / CAJA DE CONEXIÓN

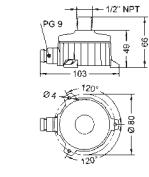


PA

TWS BOX PG9

TWSBOXPG9 27777

Kg. 0,1

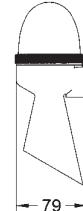
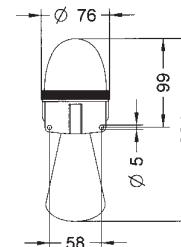


Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

AVVISATORI ACUSTICO/LUMINOSI A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING SIGNALS – AUDIBLE/VISUAL / AVERTISSEURS DE SIGNALISATION ACoustIQUE/LUMINEUSE A LEDs INTEGREES / INDUSTRIE SIGNALHUPEN MIT WARNLICHT – LED INTEGRIERT / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24-- 48-- 24~ 48~	- 110~ - 240~ ($\pm 10\%$)	---	50/60 Hz	IP 43	<input type="checkbox"/>
—	°C -30 +50	On ∞	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg. 0,25

V	—	24	48
mA	130	85	
mA	120	85	
dB(A) 1m	96	96	
Hz	650±50		

V	—	24	48	110	240
mA	280	145	50	40	
mA	270	145	50	40	
dB(A) 1m	92	92	92	92	
Hz	300-7000				

LUCE FISSA – SUONO CONTINUO / CONTINUOUS LIGHT – CONTINUOUS SOUND / LUMIERE FIXE – SON CONTINU / DAUERLICHT – DAUERE TONFOLGE / LUZ FIJA – SONIDO CONTINUO



LD 125 SLEM F
LD125SLEMF

③

LD125SLEMF24D2 ● 40562	LD125SLEMF48D2 ● 40582	LD125SLEMF110A2 ● 40602
LD125SLEMF24D3 ● 40563	LD125SLEMF48D3 ● 40583	LD125SLEMF110A3 ● 40603
LD125SLEMF24D4 ● 40564	LD125SLEMF48D4 ● 40584	LD125SLEMF110A4 ● 40604
LD125SLEMF24A2 ● 40572	LD125SLEMF48A2 ● 40592	LD125SLEMF240A2 ● 40612
LD125SLEMF24A3 ● 40573	LD125SLEMF48A3 ● 40593	LD125SLEMF240A3 ● 40613
LD125SLEMF24A4 ● 40574	LD125SLEMF48A4 ● 40594	LD125SLEMF240A4 ● 40614

LUCE LAMPEGGIANTE – SUONO CONTINUO / FLASHING LIGHT – CONTINUOUS SOUND / LUMIERE CLIGNOTANTE – SON CONTINU / BLINKLICHT – DAUERE TONFOLGE / LUZ INTERMITENTE – SONIDO CONTINUO



LD 125 SLEM L
LD125SLEML

③

Flash/min. 150±20

LD125SLEMML24D2 ● 40502	LD125SLEMML48D2 ● 40522	LD125SLEMML110A2 ● 40542
LD125SLEMML24D3 ● 40503	LD125SLEMML48D3 ● 40523	LD125SLEMML110A3 ● 40543
LD125SLEMML24D4 ● 40504	LD125SLEMML48D4 ● 40524	LD125SLEMML110A4 ● 40544
LD125SLEMML24A2 ● 40512	LD125SLEMML48A2 ● 40532	LD125SLEMML240A2 ● 40552
LD125SLEMML24A3 ● 40513	LD125SLEMML48A3 ● 40533	LD125SLEMML240A3 ● 40553
LD125SLEMML24A4 ● 40514	LD125SLEMML48A4 ● 40534	LD125SLEMML240A4 ● 40554



DISPOSITIVO DI SEGNALAZIONE ACUSTICO/LUMINOSA A LED INTEGRATI

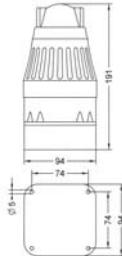
LED INTEGRATED DOUBLE WARNING SIGNAL – AUDIBLE/VISUAL / DISPOSITIF DE SIGNALISATION ACOUSTIQUE/LUMINEUSE A LEDS INTEGREES / AKUSTISCHES UND OPTISCHES SIGNALGERÄT MIT INTEGRIERTEN LED / DISPOSITIVO DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	Flash/min. 150±20
IP 30				°C -30 +50
				On

	1	2	3	4	5	6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
--	---	---	---	---	---	---	----	--

LUCE LAMPEGGIANTE - SUONO INTERMITTENTE (CONTINUO)

FLASHING LIGHT – INTERMITTENT (CONTINUOUS) SOUND / LUMIERE CLIGNOTANTE – SON INTERMITTENT (CONTINUO) / BLINKLICHT – AUSSETZENDE TONFOLGE / LUZ INTERMITENTE – SONIDO INTERMITENTE (CONTINUO)



Kg. 0,96

LD 125 SIRLAMP MS 5

LD125SIRLAMPMS5

(3)

V---	24	-	-	-	
V~		48	110	240	
mA	460	210	90	55	
mA	450	210	90	55	
dB(A)1m		Min. 90 - Max 97			

— SUONO LINEARE / SINGLE SOUND / SON LINEAIRE / LINEARE TONFOLGE / SONIDO LINEAL	Hz 1000	
SUONO BITONALE / BI-TONE SOUND / SON BITONAL / BITONALE TONFOLGE / SONIDO BITONAL	Hz 600/700	F/m 150
SUONO PLURITONALE / MULTI-TONE SOUND / SON MULTITONAL / PLURITONALE TONFOLGE / SONIDO PLURITONAL	Hz 1000÷1700	F/m 150
SUONO MODULATO / MODULATED SOUND / SON MODULE / MODULIERTE TONFOLGE / SONIDO MODULADO	Hz 1000÷1700	F/m 150
SUONO ALTERNATIVO / ALTERNATIVE SOUND / SON ALTERNATIF / ALTERNATIVE TONFOLGE / SONIDO ALTERNATIVO	Hz 440/550	F/m 150

LD125SIRLMS524DA1 ● 64951	LD125SIRLMS548A1 ● 64961	LD125SIRLMS5110A1 ● 64971	LD125SIRLMS5240A1 ● 64981
LD125SIRLMS524DA2 ○ 64952	LD125SIRLMS548A2 ○ 64962	LD125SIRLMS5110A2 ○ 64972	LD125SIRLMS5240A2 ○ 64982
LD125SIRLMS524DA3 ● 64953	LD125SIRLMS548A3 ● 64963	LD125SIRLMS5110A3 ● 64973	LD125SIRLMS5240A3 ● 64983
LD125SIRLMS524DA4 ○ 64954	LD125SIRLMS548A4 ○ 64964	LD125SIRLMS5110A4 ○ 64974	LD125SIRLMS5240A4 ○ 64984
LD125SIRLMS524DA5 ○ 64955	LD125SIRLMS548A5 ○ 64965	LD125SIRLMS5110A5 ○ 64975	LD125SIRLMS5240A5 ○ 64985
LD125SIRLMS524DA6 ○ 64956	LD125SIRLMS548A6 ○ 64966	LD125SIRLMS5110A6 ○ 64976	LD125SIRLMS5240A6 ○ 64986

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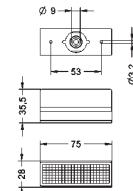
SEGNALATORI LINEARI A LED INTEGRATI

LED INTEGRATED LINEAR WARNING LIGHTS / DISPOSITIFS DE SIGNALISATION LINEAIRES A LEDS INTEGREGES / LINEARE SIGNALGERÄTE MIT INTEGRIERTEN LED / DISPOSITIVOS DE SEÑALIZACIÓN LINEARES DE LED'S INTEGRADOS

V 24 $\overline{\overline{\overline{V}}}$ - 110~ - 240~ ($\pm 10\%$)	$\overline{\overline{\overline{V}}}$	$\overline{\overline{\overline{V}}}$ 50/60 Hz	Flash/min. 2x125±5
IP 54	\square	°C -30 +50	On ∞

TRIPLO LAMPEGGIO PER EFFETTO FLASH

THREE BLINKS FOR "FLASH" EFFECT / TRIPLE CLIGNOTEMENT POUR EFFET ECLAT / 3-FACH BLITZFOLGE / TRIPLE DESTELLO PARA EFECTO FLASH



Kg 0,067

LD SX 5Q P
LDSX5QP

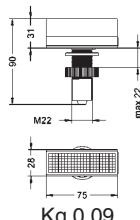
(15)

LDSX5QP24DA1 ● 36571
LDSX5QP24DA2 ○ 36572
LDSX5QP24DA3 ● 36573
LDSX5QP24DA4 ○ 36574
LDSX5QP24DA5 ● 36575
LDSX5QP24DA6 ○ 36576

LDSX5QP110A1 ● 36581
LDSX5QP110A2 ○ 36582
LDSX5QP110A3 ● 36583
LDSX5QP110A4 ○ 36584
LDSX5QP110A5 ● 36585
LDSX5QP110A6 ○ 36586

LDSX5QP240A1 ● 36591
LDSX5QP240A2 ○ 36592
LDSX5QP240A3 ● 36593
LDSX5QP240A4 ○ 36594
LDSX5QP240A5 ● 36595
LDSX5QP240A6 ○ 36596

V $\overline{\overline{\overline{V}}}$	24	-	-
V \sim	110	240	
mA	70	30	30
mA	70	30	30



Kg 0,09

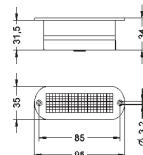


LDSX5QR24DA1 ● 36601
LDSX5QR24DA2 ○ 36602
LDSX5QR24DA3 ● 36603
LDSX5QR24DA4 ○ 36604
LDSX5QR24DA5 ● 36605
LDSX5QR24DA6 ○ 36606

LDSX5QR110A1 ● 36611
LDSX5QR110A2 ○ 36612
LDSX5QR110A3 ● 36613
LDSX5QR110A4 ○ 36614
LDSX5QR110A5 ● 36615
LDSX5QR110A6 ○ 36616

LDSX5QR240A1 ● 36621
LDSX5QR240A2 ○ 36622
LDSX5QR240A3 ● 36623
LDSX5QR240A4 ○ 36624
LDSX5QR240A5 ● 36625
LDSX5QR240A6 ○ 36626

V $\overline{\overline{\overline{V}}}$	24	-	-
V \sim	110	240	
mA	70	30	30
mA	70	30	30



Kg 0,072

LD SX 5Q I
LDSX5QI

(15)

LDSX5QI24DA1 ● 36631
LDSX5QI24DA2 ○ 36632
LDSX5QI24DA3 ● 36633
LDSX5QI24DA4 ○ 36634
LDSX5QI24DA5 ● 36635
LDSX5QI24DA6 ○ 36636

LDSX5QI110A1 ● 36641
LDSX5QI110A2 ○ 36642
LDSX5QI110A3 ● 36643
LDSX5QI110A4 ○ 36644
LDSX5QI110A5 ● 36645
LDSX5QI110A6 ○ 36646

LDSX5QI240A1 ● 36651
LDSX5QI240A2 ○ 36652
LDSX5QI240A3 ● 36653
LDSX5QI240A4 ○ 36654
LDSX5QI240A5 ● 36655
LDSX5QI240A6 ○ 36656

V $\overline{\overline{\overline{V}}}$	24	-	-
V \sim	110	240	
mA	70	30	30
mA	70	30	30

LUCE FISSA A LED INTEGRATI

CONTINUOUS LIGHT SIGNAL WITH INTEGRATED LEDS / FEU A LUMIERE FIXE A LED'S INTEGREES / DAUERLICHTLEUCHTE MIT INTEGRIERTEN LED / LUZ FIJA DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	IP 54	
°C -30 +50	On		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



LD 085 LINEARE F B
LD085LNRFB

(10)

LD085LNRFB24DA1 ● 66801
LD085LNRFB24DA2 ○ 66802
LD085LNRFB24DA3 ● 66803
LD085LNRFB24DA4 ○ 66804
LD085LNRFB24DA5 ○ 66805
LD085LNRFB24DA6 ○ 66806

LD085LNRFB48DA1 ● 66811
LD085LNRFB48DA2 ○ 66812
LD085LNRFB48DA3 ● 66813
LD085LNRFB48DA4 ○ 66814
LD085LNRFB48DA5 ○ 66815
LD085LNRFB48DA6 ○ 66816

LD085LNRFB110A1 ● 66821
LD085LNRFB110A2 ○ 66822
LD085LNRFB110A3 ● 66823
LD085LNRFB110A4 ○ 66824
LD085LNRFB110A5 ○ 66825
LD085LNRFB110A6 ○ 66826

LD085LNRFB240A1 ● 66831
LD085LNRFB240A2 ○ 66832
LD085LNRFB240A3 ● 66833
LD085LNRFB240A4 ○ 66834
LD085LNRFB240A5 ○ 66835
LD085LNRFB240A6 ○ 66836

AUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUIBLE
SELBSTLOSCHEND
AUTOEXTINGUIBLE

Kg. 0,06

V ---	24	48	-	-
V ~			110	240
mA	30	65	17	15
mA	30	70	17	15



LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI

FLASHING (CONTINUOUS) LIGHT SIGNAL WITH INTEGRATED LEDS / FEU CLIGNOTANT (A LUMIERE FIXE) A LED'S INTEGREES / BLINK- (DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	Flash/min. 0-150±20
IP 54		°C -30 +50	On	



LD 085 LINEARE B
LD085LNRB

(10)

LD085LNRB24DA1 ● 66881
LD085LNRB24DA2 ○ 66882
LD085LNRB24DA3 ● 66883
LD085LNRB24DA4 ○ 66884
LD085LNRB24DA5 ○ 66885
LD085LNRB24DA6 ○ 66886

LD085LNRB48DA1 ● 66891
LD085LNRB48DA2 ○ 66892
LD085LNRB48DA3 ● 66893
LD085LNRB48DA4 ○ 66894
LD085LNRB48DA5 ○ 66895
LD085LNRB48DA6 ○ 66896

LD085LNRB110A1 ● 66901
LD085LNRB110A2 ○ 66902
LD085LNRB110A3 ● 66903
LD085LNRB110A4 ○ 66904
LD085LNRB110A5 ○ 66905
LD085LNRB110A6 ○ 66906

LD085LNRB240A1 ● 66911
LD085LNRB240A2 ○ 66912
LD085LNRB240A3 ● 66913
LD085LNRB240A4 ○ 66914
LD085LNRB240A5 ○ 66915
LD085LNRB240A6 ○ 66916

AUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUIBLE
SELBSTLOSCHEND
AUTOEXTINGUIBLE

Kg. 0,06

V ---	24	48	-	-
V ~			110	240
mA	65	65	20	20
mA	65	70	20	20



LUCE 4 OPZIONI A LED INTEGRATI

LED INTEGRATED 4 FUNCTION SIGNAL / FEU 4 OPTIONS A LED'S INTEGREES / 4 FUNKTIONSLEUCHTE MIT INTEGRIERTEN LED / LUZ 4 OPCIONES DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)			50/60 Hz	Flash/min. 0-150±20
IP 55		°C -30 +50	On	



LD 085 LINEARE OP4 R
LD085LNROP4R

(10)

LD085LNROP4R24DA1 ● 66921
LD085LNROP4R24DA2 ○ 66922
LD085LNROP4R24DA3 ● 66923
LD085LNROP4R24DA4 ○ 66924
LD085LNROP4R24DA5 ○ 66925
LD085LNROP4R24DA6 ○ 66926

LD085LNROP4R48DA1 ● 66931
LD085LNROP4R48DA2 ○ 66932
LD085LNROP4R48DA3 ● 66933
LD085LNROP4R48DA4 ○ 66934
LD085LNROP4R48DA5 ○ 66935
LD085LNROP4R48DA6 ○ 66936

LD085LNROP4R110A1 ● 66941
LD085LNROP4R110A2 ○ 66942
LD085LNROP4R110A3 ● 66943
LD085LNROP4R110A4 ○ 66944
LD085LNROP4R110A5 ○ 66945
LD085LNROP4R110A6 ○ 66946

LD085LNROP4R240A1 ● 66951
LD085LNROP4R240A2 ○ 66952
LD085LNROP4R240A3 ● 66953
LD085LNROP4R240A4 ○ 66954
LD085LNROP4R240A5 ○ 66955
LD085LNROP4R240A6 ○ 66956

Kg. 0,08



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LED'S INTEGREES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V	24 $\overline{\text{--}}$ - 48 $\overline{\text{--}}$ - 110 \sim - 240 \sim ($\pm 10\%$)	\equiv	\sim 50/60 Hz	Flash/min. 0-150±20
IP	54	\square	$^{\circ}\text{C}$ -30 +50	On ∞



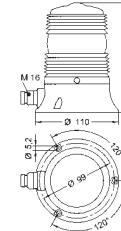
M16



M16



M16



Kg. 0,45

LD 365 MINI N
LD365MNN

(11)

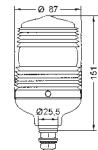
LD365MNN24DA1 ● 65211
LD365MNN24DA2 ○ 65212
LD365MNN24DA3 ● 65213
LD365MNN24DA4 ○ 65214
LD365MNN24DA5 ○ 65215
LD365MNN24DA6 ○ 65216

LD365MNN48DA1 ● 65221
LD365MNN48DA2 ○ 65222
LD365MNN48DA3 ● 65223
LD365MNN48DA4 ○ 65224
LD365MNN48DA5 ○ 65225
LD365MNN48DA6 ○ 65226

LD365MNN110A1 ● 65231
LD365MNN110A2 ○ 65232
LD365MNN110A3 ● 65233
LD365MNN110A4 ○ 65234
LD365MNN110A5 ○ 65235
LD365MNN110A6 ○ 65236

LD365MNN240A1 ● 65241
LD365MNN240A2 ○ 65242
LD365MNN240A3 ● 65243
LD365MNN240A4 ○ 65244
LD365MNN240A5 ○ 65245
LD365MNN240A6 ○ 65246

V \equiv	24	48	-	-
V \sim			110	240
● ● ○ mA	180	170	40	40
● ○ ○ mA	170	180	40	40



Kg. 0,40

LD 365 MINI P
LD365MNP

(11)

LD365MNP24DA1 ● 65251
LD365MNP24DA2 ○ 65252
LD365MNP24DA3 ● 65253
LD365MNP24DA4 ○ 65254
LD365MNP24DA5 ○ 65255
LD365MNP24DA6 ○ 65256

LD365MNP48DA1 ● 65261
LD365MNP48DA2 ○ 65262
LD365MNP48DA3 ● 65263
LD365MNP48DA4 ○ 65264
LD365MNP48DA5 ○ 65265
LD365MNP48DA6 ○ 65266

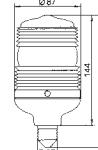
LD365MNP110A1 ● 65271
LD365MNP110A2 ○ 65272
LD365MNP110A3 ● 65273
LD365MNP110A4 ○ 65274
LD365MNP110A5 ○ 65275
LD365MNP110A6 ○ 65276

LD365MNP240A1 ● 65281
LD365MNP240A2 ○ 65282
LD365MNP240A3 ● 65283
LD365MNP240A4 ○ 65284
LD365MNP240A5 ○ 65285
LD365MNP240A6 ○ 65286

V \equiv	24	48	-	-
V \sim			110	240
● ● ○ mA	180	170	40	40
● ○ ○ mA	170	180	40	40

LUCE LAMPEGGIANTE A LED INTEGRATI

LED INTEGRATED FLASHING BEACON / FEU CLIGNOTANT A LED'S INTEGREES / BLINKLEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE DE LED'S INTEGRADOS



Kg. 0,35

LD 365 MINI L E
LD365MNLE

(11)

LD365MNLE24DA1 ● 65291
LD365MNLE24DA2 ○ 65292
LD365MNLE24DA3 ● 65293
LD365MNLE24DA4 ○ 65294
LD365MNLE24DA5 ○ 65295
LD365MNLE24DA6 ○ 65296

LD365MNLE48DA1 ● 65301
LD365MNLE48DA2 ○ 65302
LD365MNLE48DA3 ● 65303
LD365MNLE48DA4 ○ 65304
LD365MNLE48DA5 ○ 65305
LD365MNLE48DA6 ○ 65306

LD365MNLE110A1 ● 65311
LD365MNLE110A2 ○ 65312
LD365MNLE110A3 ● 65313
LD365MNLE110A4 ○ 65314
LD365MNLE110A5 ○ 65315
LD365MNLE110A6 ○ 65316

LD365MNLE240A1 ● 65321
LD365MNLE240A2 ○ 65322
LD365MNLE240A3 ● 65323
LD365MNLE240A4 ○ 65324
LD365MNLE240A5 ○ 65325
LD365MNLE240A6 ○ 65326

V \equiv	24	48	-	-
V \sim			110	240
● ● ○ mA	180	170	40	40
● ○ ○ mA	170	180	40	40

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON / FEU CLIGNOTANT (A LUMIERE FIXE) A LED'S INTEGREES / BLINK- DAUERLICHT- LEUCHE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	Flash/min. 0-150±20
IP 65	<input type="checkbox"/>	°C -30 +50	On ∞



50/60 Hz

Flash/min. 0-150±20



1

2

3

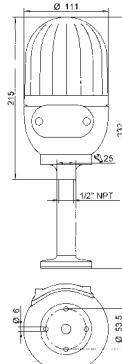
4

5

6

PC

AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



Kg. 0,58

LD 365 BABYLAMP

LD365BABY

①

LD365BABY24DA1●65531
LD365BABY24DA2○65532
LD365BABY24DA3●65533
LD365BABY24DA4●65534
LD365BABY24DA5●65535
LD365BABY24DA6○65536

LD365BABY48DA1●65541
LD365BABY48DA2○65542
LD365BABY48DA3●65543
LD365BABY48DA4●65544
LD365BABY48DA5●65545
LD365BABY48DA6○65546

LD365BABY110A1●65551
LD365BABY110A2○65552
LD365BABY110A3●65553
LD365BABY110A4●65554
LD365BABY110A5●65555
LD365BABY110A6○65556

LD365BABY240A1●65561
LD365BABY240A2○65562
LD365BABY240A3●65563
LD365BABY240A4●65564
LD365BABY240A5●65565
LD365BABY240A6○65566

V \equiv	24	48	-	-
V \sim	110	240		
mA ●●○○	180	170	40	40
mA ●●○○	170	180	40	40

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGREES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	---	50/60 Hz	Flash/min. 0-150±20
IP 54	□	°C -30 +50	On ∞



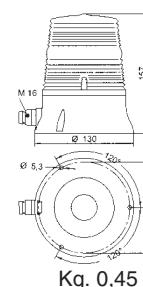
M16



M16
LD 455 MAXI N
LD455MXN



M16



LD455MXN24DA1 ● 65331
LD455MXN24DA2 ○ 65332
LD455MXN24DA3 ● 65333
LD455MXN24DA4 ● 65334
LD455MXN24DA5 ○ 65335
LD455MXN24DA6 ○ 65336

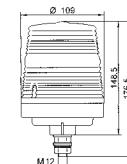
LD455MXN48DA1 ● 65341
LD455MXN48DA2 ○ 65342
LD455MXN48DA3 ● 65343
LD455MXN48DA4 ● 65344
LD455MXN48DA5 ○ 65345
LD455MXN48DA6 ○ 65346

LD455MXN110A1 ● 65351
LD455MXN110A2 ○ 65352
LD455MXN110A3 ● 65353
LD455MXN110A4 ● 65354
LD455MXN110A5 ○ 65355
LD455MXN110A6 ○ 65356

LD455MXN240A1 ● 65361
LD455MXN240A2 ○ 65362
LD455MXN240A3 ● 65363
LD455MXN240A4 ● 65364
LD455MXN240A5 ○ 65365
LD455MXN240A6 ○ 65366

V ---	24	48	-	-
V ~	110	240		
mA	180	170	40	40

mA	170	170	40	40
----	-----	-----	----	----



LD 455 MAXI P
LD455MXP

①

LD455MXP24DA1 ● 65371
LD455MXP24DA2 ○ 65372
LD455MXP24DA3 ● 65373
LD455MXP24DA4 ● 65374
LD455MXP24DA5 ○ 65375
LD455MXP24DA6 ○ 65376

LD455MXP48DA1 ● 65381
LD455MXP48DA2 ○ 65382
LD455MXP48DA3 ● 65383
LD455MXP48DA4 ● 65384
LD455MXP48DA5 ○ 65385
LD455MXP48DA6 ○ 65386

LD455MXP110A1 ● 65391
LD455MXP110A2 ○ 65392
LD455MXP110A3 ● 65393
LD455MXP110A4 ● 65394
LD455MXP110A5 ○ 65395
LD455MXP110A6 ○ 65396

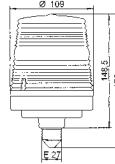
LD455MXP240A1 ● 65401
LD455MXP240A2 ○ 65402
LD455MXP240A3 ● 65403
LD455MXP240A4 ● 65404
LD455MXP240A5 ○ 65405
LD455MXP240A6 ○ 65406

V ---	24	48	-	-
V ~	110	240		
mA	180	170	40	40

mA	170	170	40	40
----	-----	-----	----	----

LUCE LAMPEGGIANTE A LED INTEGRATI

LED INTEGRATED FLASHING BEACON / FEU CLIGNOTANT A LEDS INTEGREES / BLINKLEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE DE LED'S INTEGRADOS



LD 455 MAXI L E
LD455MXLE

①

LD455MXLE24DA1 ● 65411
LD455MXLE24DA2 ○ 65412
LD455MXLE24DA3 ● 65413
LD455MXLE24DA4 ● 65414
LD455MXLE24DA5 ○ 65415
LD455MXLE24DA6 ○ 65416

LD455MXLE48DA1 ● 65421
LD455MXLE48DA2 ○ 65422
LD455MXLE48DA3 ● 65423
LD455MXLE48DA4 ● 65424
LD455MXLE48DA5 ○ 65425
LD455MXLE48DA6 ○ 65426

LD455MXLE110A1 ● 65431
LD455MXLE110A2 ○ 65432
LD455MXLE110A3 ● 65433
LD455MXLE110A4 ● 65434
LD455MXLE110A5 ○ 65435
LD455MXLE110A6 ○ 65436

LD455MXLE240A1 ● 65441
LD455MXLE240A2 ○ 65442
LD455MXLE240A3 ● 65443
LD455MXLE240A4 ● 65444
LD455MXLE240A5 ○ 65445
LD455MXLE240A6 ○ 65446

V ---	24	48	-	-
V ~	110	240		
mA	180	170	40	40

mA	170	170	40	40
----	-----	-----	----	----

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGREES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

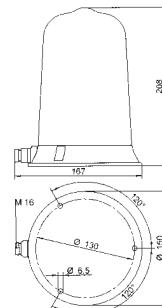
V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	Flash/min. 0-150±20
IP 54 55	°C -30 +50	On ∞	1 2 3 4 5 6 PC



M16


LD 455 LAMP PB ① IP 54
LD455LAPB


M16



Kg. 0,55

LD455LAPB24DA1 ● 65451
 LD455LAPB24DA2 ○ 65452
 LD455LAPB24DA3 ● 65453
 LD455LAPB24DA4 ○ 65454
 LD455LAPB24DA5 ○ 65455
 LD455LAPB24DA6 ○ 65456

LD455LAPB48DA1 ● 65461
 LD455LAPB48DA2 ○ 65462
 LD455LAPB48DA3 ● 65463
 LD455LAPB48DA4 ○ 65464
 LD455LAPB48DA5 ○ 65465
 LD455LAPB48DA6 ○ 65466

LD455LAPB110A1 ● 65471
 LD455LAPB110A2 ○ 65472
 LD455LAPB110A3 ● 65473
 LD455LAPB110A4 ○ 65474
 LD455LAPB110A5 ○ 65475
 LD455LAPB110A6 ○ 65476

LD455LAPB240A1 ● 65481
 LD455LAPB240A2 ○ 65482
 LD455LAPB240A3 ● 65483
 LD455LAPB240A4 ○ 65484
 LD455LAPB240A5 ○ 65485
 LD455LAPB240A6 ○ 65486

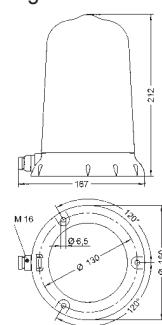
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



M16


LD 455 LAMP AL B
LD455LAALB ④ IP 54


M16



Kg. 0,61

LD455LAALB24DA1 ● 65491
 LD455LAALB24DA2 ○ 65492
 LD455LAALB24DA3 ● 65493
 LD455LAALB24DA4 ○ 65494
 LD455LAALB24DA5 ○ 65495
 LD455LAALB24DA6 ○ 65496

LD455LAALB48DA1 ● 65501
 LD455LAALB48DA2 ○ 65502
 LD455LAALB48DA3 ● 65503
 LD455LAALB48DA4 ○ 65504
 LD455LAALB48DA5 ○ 65505
 LD455LAALB48DA6 ○ 65506

LD455LAALB110A1 ● 65511
 LD455LAALB110A2 ○ 65512
 LD455LAALB110A3 ● 65513
 LD455LAALB110A4 ○ 65514
 LD455LAALB110A5 ○ 65515
 LD455LAALB110A6 ○ 65516

LD455LAALB240A1 ● 65521
 LD455LAALB240A2 ○ 65522
 LD455LAALB240A3 ● 65523
 LD455LAALB240A4 ○ 65524
 LD455LAALB240A5 ○ 65525
 LD455LAALB240A6 ○ 65526

V ---	24	48	—	—
V ~	—	—	110	240
mA	180	170	40	40
mA	170	170	40	40



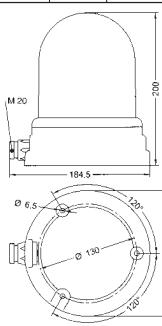
M20



M20



M20



Kg. 0,71

LD 455 PG/AGR ⑤ IP 55
LD455PGAGR

LD455PGAGR24DA1 ● 65571
 LD455PGAGR24DA2 ○ 65572
 LD455PGAGR24DA3 ● 65573
 LD455PGAGR24DA4 ○ 65574
 LD455PGAGR24DA5 ○ 65575
 LD455PGAGR24DA6 ○ 65576

LD455PGAGR48DA1 ● 65581
 LD455PGAGR48DA2 ○ 65582
 LD455PGAGR48DA3 ● 65583
 LD455PGAGR48DA4 ○ 65584
 LD455PGAGR48DA5 ○ 65585
 LD455PGAGR48DA6 ○ 65586

LD455PGAGR110A1 ● 65591
 LD455PGAGR110A2 ○ 65592
 LD455PGAGR110A3 ● 65593
 LD455PGAGR110A4 ○ 65594
 LD455PGAGR110A5 ○ 65595
 LD455PGAGR110A6 ○ 65596

LD455PGAGR240A1 ● 65601
 LD455PGAGR240A2 ○ 65602
 LD455PGAGR240A3 ● 65603
 LD455PGAGR240A4 ○ 65604
 LD455PGAGR240A5 ○ 65605
 LD455PGAGR240A6 ○ 65606

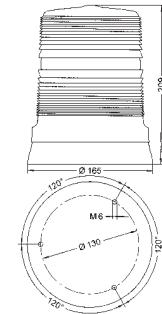
V ---	24	48	—	—
V ~	—	—	110	240
mA	180	170	40	40
mA	170	170	40	40

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos

LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGREES / BLINK- (DAUERLICHT) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	---	~ 50/60 Hz	Flash/min. 0-150±20
IP 65	°C -30 +50	On ∞	1 2 3 4 5 6 PC



Kg. 1,10

LD 725 STROBO N

LD725STBN (4)

LD725STBN24DA1 ● 65791	LD725STBN48DA1 ● 65801	LD725STBN110A1 ● 65811	LD725STBN240A1 ● 65821
LD725STBN24DA2 ○ 65792	LD725STBN48DA2 ○ 65802	LD725STBN110A2 ○ 65812	LD725STBN240A2 ○ 65822
LD725STBN24DA3 ● 65793	LD725STBN48DA3 ● 65803	LD725STBN110A3 ● 65813	LD725STBN240A3 ● 65823
LD725STBN24DA4 ○ 65794	LD725STBN48DA4 ○ 65804	LD725STBN110A4 ○ 65814	LD725STBN240A4 ○ 65824
LD725STBN24DA5 ○ 65795	LD725STBN48DA5 ○ 65805	LD725STBN110A5 ○ 65815	LD725STBN240A5 ○ 65825
LD725STBN24DA6 ○ 65796	LD725STBN48DA6 ○ 65806	LD725STBN110A6 ○ 65816	LD725STBN240A6 ○ 65826

V ---	24	48	-	-
V ~			110	240
● ● ○	mA	150	160	40
● ○ ○	mA	420	160	40

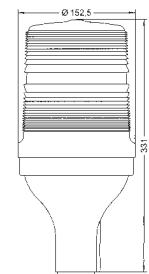
LD 865* STROBO N

LD865STBN (4)

*con illuminazione a LED anche verticale / *also with vertical LED light / *avec illumination à LED aussi verticale / *auch mit senkrechtes LED-Licht / *con iluminación de LED's también vertical

LD865STBN24DA1 ● 65871	LD865STBN48DA1 ● 65881	LD865STBN110A1 ● 65891	LD865STBN240A1 ● 65901
LD865STBN24DA2 ○ 65872	LD865STBN48DA2 ○ 65882	LD865STBN110A2 ○ 65892	LD865STBN240A2 ○ 65902
LD865STBN24DA3 ● 65873	LD865STBN48DA3 ● 65883	LD865STBN110A3 ● 65893	LD865STBN240A3 ● 65903
LD865STBN24DA4 ○ 65874	LD865STBN48DA4 ○ 65884	LD865STBN110A4 ○ 65894	LD865STBN240A4 ○ 65904
LD865STBN24DA5 ○ 65875	LD865STBN48DA5 ○ 65885	LD865STBN110A5 ○ 65895	LD865STBN240A5 ○ 65905
LD865STBN24DA6 ○ 65876	LD865STBN48DA6 ○ 65886	LD865STBN110A6 ○ 65896	LD865STBN240A6 ○ 65906

V ---	24	48	-	-
V ~			110	240
● ● ○	mA	190	170	60
● ○ ○	mA	450	180	60



Kg. 1,26

LD 725 STROBO AG

LD725STBAG (6)

LD725STBAG24DA1 ● 65831	LD725STBAG48DA1 ● 65841	LD725STBAG110A1 ● 65851	LD725STBAG240A1 ● 65861
LD725STBAG24DA2 ○ 65832	LD725STBAG48DA2 ○ 65842	LD725STBAG110A2 ○ 65852	LD725STBAG240A2 ○ 65862
LD725STBAG24DA3 ● 65833	LD725STBAG48DA3 ● 65843	LD725STBAG110A3 ● 65853	LD725STBAG240A3 ● 65863
LD725STBAG24DA4 ○ 65834	LD725STBAG48DA4 ○ 65844	LD725STBAG110A4 ○ 65854	LD725STBAG240A4 ○ 65864
LD725STBAG24DA5 ○ 65835	LD725STBAG48DA5 ○ 65845	LD725STBAG110A5 ○ 65855	LD725STBAG240A5 ○ 65865
LD725STBAG24DA6 ○ 65836	LD725STBAG48DA6 ○ 65846	LD725STBAG110A6 ○ 65856	LD725STBAG240A6 ○ 65866

V ---	24	48	-	-
V ~			110	240
● ● ○	mA	150	160	40
● ○ ○	mA	420	160	40

LD 865* STROBO AG

LD865STBAG (6)

*con illuminazione a LED anche verticale / *also with vertical LED light / *avec illumination à LED aussi verticale / *auch mit senkrechtes LED-Licht / *con iluminación de LED's también vertical

LD865STBAG24DA1 ● 65911	LD865STBAG48DA1 ● 65921	LD865STBAG110A1 ● 65931	LD865STBAG240A1 ● 65941
LD865STBAG24DA2 ○ 65912	LD865STBAG48DA2 ○ 65922	LD865STBAG110A2 ○ 65932	LD865STBAG240A2 ○ 65942
LD865STBAG24DA3 ● 65913	LD865STBAG48DA3 ● 65923	LD865STBAG110A3 ● 65933	LD865STBAG240A3 ● 65943
LD865STBAG24DA4 ○ 65914	LD865STBAG48DA4 ○ 65924	LD865STBAG110A4 ○ 65934	LD865STBAG240A4 ○ 65944
LD865STBAG24DA5 ○ 65915	LD865STBAG48DA5 ○ 65925	LD865STBAG110A5 ○ 65935	LD865STBAG240A5 ○ 65945
LD865STBAG24DA6 ○ 65916	LD865STBAG48DA6 ○ 65926	LD865STBAG110A6 ○ 65936	LD865STBAG240A6 ○ 65946

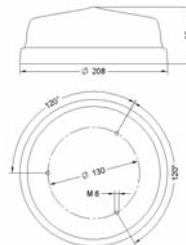
V ---	24	48	-	-
V ~			110	240
● ● ○	mA	190	170	60
● ○ ○	mA	450	180	60



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LED'S INTEGREES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24⎓ - 48⎓ - 110~ - 240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	Flash/min. 0-150±20
IP 54	°C -30 +50	On ∞	 1 2 3 4 5 6



Kg. 1,10

LD 725 FLAT

LD725FLT

(4)

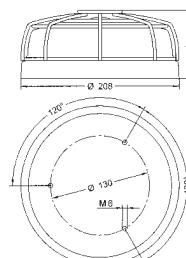
LD725FLT24DA1 ● 65691
LD725FLT24DA2 ○ 65692
LD725FLT24DA3 ● 65693
LD725FLT24DA4 ○ 65694
LD725FLT24DA5 ○ 65695
LD725FLT24DA6 ○ 65696

LD725FLT48DA1 ● 65701
LD725FLT48DA2 ○ 65702
LD725FLT48DA3 ● 65703
LD725FLT48DA4 ○ 65704
LD725FLT48DA5 ○ 65705
LD725FLT48DA6 ○ 65706

LD725FLT110A1 ● 65711
LD725FLT110A2 ○ 65712
LD725FLT110A3 ● 65713
LD725FLT110A4 ○ 65714
LD725FLT110A5 ○ 65715
LD725FLT110A6 ○ 65716

LD725FLT240A1 ● 65721
LD725FLT240A2 ○ 65722
LD725FLT240A3 ● 65723
LD725FLT240A4 ○ 65724
LD725FLT240A5 ○ 65725
LD725FLT240A6 ○ 65726

V \equiv	24	48	-	-
V \sim	110	240		
mA	150	160	40	45
mA	420	160	40	40



Kg. 1,20

LD 725 BD FLAT

LD725BDFLT

(4) (7)

LD725BDFLT24DA1 ● 65751
LD725BDFLT24DA2 ○ 65752
LD725BDFLT24DA3 ● 65753
LD725BDFLT24DA4 ○ 65754
LD725BDFLT24DA5 ○ 65755
LD725BDFLT24DA6 ○ 65756

LD725BDFLT48DA1 ● 65761
LD725BDFLT48DA2 ○ 65762
LD725BDFLT48DA3 ● 65763
LD725BDFLT48DA4 ○ 65764
LD725BDFLT48DA5 ○ 65765
LD725BDFLT48DA6 ○ 65766

LD725BDFLT110A1 ● 65771
LD725BDFLT110A2 ○ 65772
LD725BDFLT110A3 ● 65773
LD725BDFLT110A4 ○ 65774
LD725BDFLT110A5 ○ 65775
LD725BDFLT110A6 ○ 65776

LD725BDFLT240A1 ● 65781
LD725BDFLT240A2 ○ 65782
LD725BDFLT240A3 ● 65783
LD725BDFLT240A4 ○ 65784
LD725BDFLT240A5 ○ 65785
LD725BDFLT240A6 ○ 65786

V \equiv	24	48	-	-
V \sim	110	240		
mA	150	160	40	45
mA	420	160	40	40



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGREES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

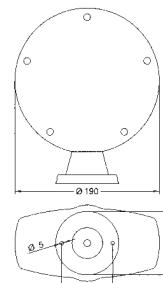
V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	---	\sim 50/60 Hz	Flash/min. 0-150±20
IP 54	□	°C -30 +50	On ∞



1 2 3 4 5 6

PC

AUTOESTINGUENTE
SELF-EXTINGUISHING
FEU CLIGNOTANT
SELBSTLÖSCHEND
LUCES INTERMITENTES
AUTOEXTINGUIBLE



Kg. 0,94

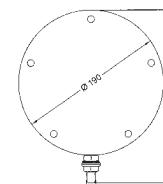
LD 1445 FARO N

LD1445FRN

8

LD1445FRN24DA1 ● 65611	LD1445FRN48DA1 ● 65621	LD1445FRN110A1 ● 65631	LD1445FRN240A1 ● 65641
LD1445FRN24DA2 ○ 65612	LD1445FRN48DA2 ○ 65622	LD1445FRN110A2 ○ 65632	LD1445FRN240A2 ○ 65642
LD1445FRN24DA3 ● 65613	LD1445FRN48DA3 ● 65623	LD1445FRN110A3 ● 65633	LD1445FRN240A3 ● 65643
LD1445FRN24DA4 ○ 65614	LD1445FRN48DA4 ○ 65624	LD1445FRN110A4 ○ 65634	LD1445FRN240A4 ○ 65644
LD1445FRN24DA5 ○ 65615	LD1445FRN48DA5 ○ 65625	LD1445FRN110A5 ○ 65635	LD1445FRN240A5 ○ 65645
LD1445FRN24DA6 ○ 65616	LD1445FRN48DA6 ○ 65626	LD1445FRN110A6 ○ 65636	LD1445FRN240A6 ○ 65646

V ---	24	48	-	-
V ~			110	240
mA	300	320	80	65
mA	800	320	80	60



Kg. 0,82

LD 1445 FARO P

LD1445FRP

9

LD1445FRP24DA1 ● 65651	LD1445FRP48DA1 ● 65661	LD1445FRP110A1 ● 65671	LD1445FRP240A1 ● 65681
LD1445FRP24DA2 ○ 65652	LD1445FRP48DA2 ○ 65662	LD1445FRP110A2 ○ 65672	LD1445FRP240A2 ○ 65682
LD1445FRP24DA3 ● 65653	LD1445FRP48DA3 ● 65663	LD1445FRP110A3 ● 65673	LD1445FRP240A3 ● 65683
LD1445FRP24DA4 ○ 65654	LD1445FRP48DA4 ○ 65664	LD1445FRP110A4 ○ 65674	LD1445FRP240A4 ○ 65684
LD1445FRP24DA5 ○ 65655	LD1445FRP48DA5 ○ 65665	LD1445FRP110A5 ○ 65675	LD1445FRP240A5 ○ 65685
LD1445FRP24DA6 ○ 65656	LD1445FRP48DA6 ○ 65666	LD1445FRP110A6 ○ 65676	LD1445FRP240A6 ○ 65686

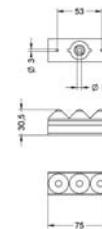
V ---	24	48	-	-
V ~			110	240
mA	300	320	80	65
mA	800	320	80	60

SEMAFORI INDUSTRIALI A LED

INDUSTRIAL LED TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE A LEDS /
INDUSTRIE LED-SIGNALAMPELN / SEMÁFOROS INDUSTRIALES DE LED'S

V 12~ - 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	---	~ 50/60 Hz	IP 54 55	
°C -30 +50	On ∞		PC	AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUILDE

LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA



LD 3RAV B F

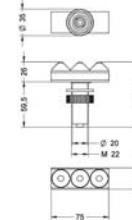
LD3RAVBF

(14) (15)

LD3RAVBF32412DA	● ● ●	38280
LD3RAVBF32424DA	● ● ●	38281
LD3RAVBF32448DA	● ● ●	38282
LD3RAVBF324110A	● ● ●	38283
LD3RAVBF324240A	● ● ●	38284

Kg. 0,06

V---	12	24	48	-	-
V~				110	240
mA	20	20	20	35	30
mA	20	20	20	35	30



LD 3RAV R F

LD3RAVRF

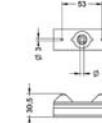
(14) (15)

IP 55

LD3RAVRF32412DA	● ● ●	38290
LD3RAVRF32424DA	● ● ●	38291
LD3RAVRF32448DA	● ● ●	38292
LD3RAVRF324110A	● ● ●	38293
LD3RAVRF324240A	● ● ●	38294

Kg. 0,08

V---	12	24	48	-	-
V~				110	240
mA	20	20	20	35	30
mA	20	20	20	35	30



LD 2RV B F

LD2RVBF

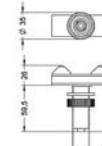
(14) (15)

IP 55

LD2RVBF3412DA	● ●	38300
LD2RVBF3424DA	● ●	38301
LD2RVBF3448DA	● ●	38302
LD2RVBF34110A	● ●	38303
LD2RVBF34240A	● ●	38304

Kg. 0,05

V---	12	24	48	-	-
V~				110	240
mA	20	20	20	35	30
mA	20	20	20	35	30



LD 2RV R F

LD2RVRF

(14) (15)

IP 55

LD2RVRF3412DA	● ●	38310
LD2RVRF3424DA	● ●	38311
LD2RVRF3448DA	● ●	38312
LD2RVRF34110A	● ●	38313
LD2RVRF34240A	● ●	38314

Kg. 0,07

V---	12	24	48	-	-
V~				110	240
mA	20	20	20	35	30
mA	20	20	20	35	30

Altri colori disponibili a richiesta - Other colours available on request - D'autres couleurs disponibles sur demande - Andere Farben auf Anfrage lieferbar - Otros colores disponibles bajo petición

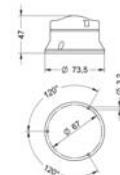
Per ordinare l'opzione nera richiedere i codici - Code numbers for the black version are available on request - Pour commander l' option noire demander les codes - Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar - Para pedir la opción negra solicitar los códigos

SEGNALATORI A LED PER SEMAFORI

LED SIGNALLING DEVICES FOR TRAFFIC LIGHTS / DISPOSITIFS DE SIGNALISATION A LEDS POUR FEUX / LED-SIGNALGERÄTE FÜR AMPELN / DISPOSITIVOS DE SEÑALIZACIÓN DE LED'S PARA SEMÁFOROS

V 12~ - 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	Flash/min. 0-150±20
IP 54		°C -30 +50	On ∞

LUCE LAMPEGGIANTE (FISSA) / FLASHING (CONTINUOUS) LIGHT / LUMIERE CLIGNOTANTE (FIXE) / BLINK- (DAUER-) LICHT / LUZ INTERMITENTE (FIJA)



LD 8Q CBL 6 F/L
LD8QCBL6F/L

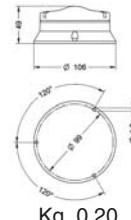
(11) (13)

LD8QCBL6F/L12DA1 ● 69091	LD8QCBL6F/L24DA1 ● 69101	LD8QCBL6F/L48DA1 ● 69111
LD8QCBL6F/L12DA2 ○ 69092	LD8QCBL6F/L24DA2 ○ 69102	LD8QCBL6F/L48DA2 ○ 69112
LD8QCBL6F/L12DA3 ● 69093	LD8QCBL6F/L24DA3 ● 69103	LD8QCBL6F/L48DA3 ● 69113
LD8QCBL6F/L12DA4 ○ 69094	LD8QCBL6F/L24DA4 ○ 69104	LD8QCBL6F/L48DA4 ○ 69114
LD8QCBL6F/L12DA5 ○ 69095	LD8QCBL6F/L24DA5 ○ 69105	LD8QCBL6F/L48DA5 ○ 69115
LD8QCBL6F/L12DA6 ○ 69096	LD8QCBL6F/L24DA6 ○ 69106	LD8QCBL6F/L48DA6 ○ 69116

Kg. 0,10

LD8QCBL6F/L110A1 ● 69121	LD8QCBL6F/L240A1 ● 69131
LD8QCBL6F/L110A2 ○ 69122	LD8QCBL6F/L240A2 ○ 69132
LD8QCBL6F/L110A3 ● 69123	LD8QCBL6F/L240A3 ● 69133
LD8QCBL6F/L110A4 ○ 69124	LD8QCBL6F/L240A4 ○ 69134
LD8QCBL6F/L110A5 ○ 69125	LD8QCBL6F/L240A5 ○ 69135
LD8QCBL6F/L110A6 ○ 69126	LD8QCBL6F/L240A6 ○ 69136

V ---	12	24	48	-	-
				110	240
mA	65	65	65	20	20
mA	65	65	65	20	20



LD 16Q CBL 9 F/L
LD16QCBL9F/L

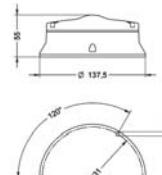
(11) (13)

LD16QCBL9F/L12DA1 ● 69141	LD16QCBL9F/L24DA1 ● 69151	LD16QCBL9F/L48DA1 ● 69161
LD16QCBL9F/L12DA2 ○ 69142	LD16QCBL9F/L24DA2 ○ 69152	LD16QCBL9F/L48DA2 ○ 69162
LD16QCBL9F/L12DA3 ● 69143	LD16QCBL9F/L24DA3 ● 69153	LD16QCBL9F/L48DA3 ● 69163
LD16QCBL9F/L12DA4 ○ 69144	LD16QCBL9F/L24DA4 ○ 69154	LD16QCBL9F/L48DA4 ○ 69164
LD16QCBL9F/L12DA5 ○ 69145	LD16QCBL9F/L24DA5 ○ 69155	LD16QCBL9F/L48DA5 ○ 69165
LD16QCBL9F/L12DA6 ○ 69146	LD16QCBL9F/L24DA6 ○ 69156	LD16QCBL9F/L48DA6 ○ 69166

Kg. 0,20

LD16QCBL9F/L110A1 ● 69171	LD16QCBL9F/L240A1 ● 69181
LD16QCBL9F/L110A2 ○ 69172	LD16QCBL9F/L240A2 ○ 69182
LD16QCBL9F/L110A3 ● 69173	LD16QCBL9F/L240A3 ● 69183
LD16QCBL9F/L110A4 ○ 69174	LD16QCBL9F/L240A4 ○ 69184
LD16QCBL9F/L110A5 ○ 69175	LD16QCBL9F/L240A5 ○ 69185
LD16QCBL9F/L110A6 ○ 69176	LD16QCBL9F/L240A6 ○ 69186

V ---	12	24	48	-	-
				110	240
mA	90	90	100	20	20
mA	90	90	80	20	20



LD 24Q CBL 12 F/L
LD24QCBL12F/L

(11) (13)

LD24QCBL12F/L12DA1 ● 69191	LD24QCBL12F/L24DA1 ● 69371	LD24QCBL12F/L48DA1 ● 69381
LD24QCBL12F/L12DA2 ○ 69192	LD24QCBL12F/L24DA2 ○ 69372	LD24QCBL12F/L48DA2 ○ 69382
LD24QCBL12F/L12DA3 ● 69193	LD24QCBL12F/L24DA3 ● 69373	LD24QCBL12F/L48DA3 ● 69383
LD24QCBL12F/L12DA4 ○ 69194	LD24QCBL12F/L24DA4 ○ 69374	LD24QCBL12F/L48DA4 ○ 69384
LD24QCBL12F/L12DA5 ○ 69195	LD24QCBL12F/L24DA5 ○ 69375	LD24QCBL12F/L48DA5 ○ 69385
LD24QCBL12F/L12DA6 ○ 69196	LD24QCBL12F/L24DA6 ○ 69376	LD24QCBL12F/L48DA6 ○ 69386

Kg. 0,28

LD24QCBL12F/L110A1 ● 69391	LD24QCBL12F/L240A1 ● 69401
LD24QCBL12F/L110A2 ○ 69392	LD24QCBL12F/L240A2 ○ 69402
LD24QCBL12F/L110A3 ● 69393	LD24QCBL12F/L240A3 ○ 69403
LD24QCBL12F/L110A4 ○ 69394	LD24QCBL12F/L240A4 ○ 69404
LD24QCBL12F/L110A5 ○ 69395	LD24QCBL12F/L240A5 ○ 69405
LD24QCBL12F/L110A6 ○ 69396	LD24QCBL12F/L240A6 ○ 69406

V ---	12	24	48	-	-
				110	240
mA	105	105	120	20	20
mA	105	105	95	20	20

Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l' option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



SEMAFORI INDUSTRIALI A LED

INDUSTRIAL LED TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE A LEDS / INDUSTRIE LED-SIGNALAMPELN / SEMÁFOROS INDUSTRIALES DE LED'S

V 12~ - 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	---	~ 50/60 Hz
IP 65	□	°C -30 +50 On ∞

LUCE FISSA (OPZIONE LUCE LAMPEGGIANTE A RICHIESTA) / CONTINUOUS LIGHT (FLASHING LIGHT OPTION AVAILABLE ON REQUEST) / LUMIERE FIXE (LUMIERE CLIGNOTANTE DISPONIBLE SUR DEMANDE) / DAUERLICHT (BLINKLICHT AUF ANFRAGE LIEFERBAR) / LUZ FIJA (LUZ INTERMITENTE DISPONIBLE BAJO PETICIÓN)

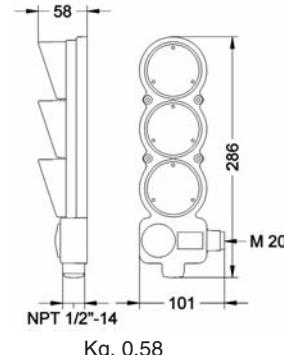


SMFR 6.3 LD 8Q
SMFR 6.3 LD 8Q

(12) (16)

SMFR6.3LD8Q32412DA	● ● ●	69410
SMFR6.3LD8Q32424DA	● ● ●	69411
SMFR6.3LD8Q32448DA	● ● ●	69412
SMFR6.3LD8Q324110A	● ● ●	69413
SMFR6.3LD8Q324240A	● ● ●	69414

V---	12	24	48	-	-
V~				110	240
mA	30	30	30	15	20
mA	30	30	30	15	20



Kg. 0,58

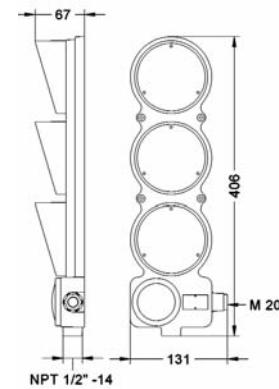


SMFR 9.3 LD 16Q
SMFR 9.3 LD 16Q

(12) (16)

SMFR9.3LD16Q32412DA	● ● ●	69415
SMFR9.3LD16Q32424DA	● ● ●	69416
SMFR9.3LD16Q32448DA	● ● ●	69417
SMFR9.3LD16Q324110A	● ● ●	69418
SMFR9.3LD16Q324240A	● ● ●	69420

V---	12	24	48	-	-
V~				110	240
mA	90	90	100	20	20
mA	90	90	80	20	20



Kg. 0,83

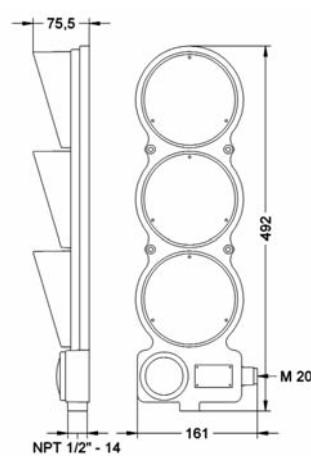


SMFR 12.3 LD 24Q
SMFR 12.3 LD 24Q

(12) (16)

SMFR12.3LD24Q32412DA	● ● ●	69421
SMFR12.3LD24Q32424DA	● ● ●	69422
SMFR12.3LD24Q32448DA	● ● ●	69423
SMFR12.3LD24Q324110A	● ● ●	69424
SMFR12.3LD24Q324240A	● ● ●	69425

V---	12	24	48	-	-
V~				110	240
mA	105	105	120	20	20
mA	105	105	95	20	20



Kg. 1,25

Altri colori disponibili a richiesta - Other colours available on request - D'autres couleurs disponibles sur demande - Andere Farben auf Anfrage lieferbar - Otros colores disponibles bajo petición

Disponibili versioni con lampada a incandescenza e allo xeno / Filament and xenon bulb versions available / Disponibles versions avec ampoule à filament et au xénon / Ausführungen mit Glühlampe und Xenon-Blitzröhre lieferbar / Disponibles versiones con lámpara incandescente y de xenón

SEMAFORI INDUSTRIALI A LED

INDUSTRIAL LED TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE A LEDS / INDUSTRIE LED-SIGNALAMPELN / SEMÁFOROS INDUSTRIALES DE LED'S

V 12--- 12~ - 12~ - 24--- 24~ - 24~ - 48--- 48~ - 48~ - 110~ - 240~ ($\pm 10\%$)	---	~ 50/60 Hz	IP 43 55
°C -30 +50	---	On ∞	1 2 3 4 5 6 PC AUTOESTINGUENTE SELF-EXTINISHING AUTORETROARANCIA SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE FISSA CON ACUSTICA (OPZIONE LUCE LAMPEGGIANTE A RICHIESTA) / CONTINUOUS LIGHT WITH ACOUSTICS (FLASHING LIGHT OPTION AVAILABLE ON REQUEST) / LUMIERE FIXE AVEC ACOUSTIQUE (LUMIERE CLIGNOTANTE DISPONIBLE SUR DEMANDE) / DAUERLICHT MIT AKUSTIK(BLINKLICHT AUF ANFRAGE LIEFERBAR) / LUZ FIJA CON ACÚSTICA (LUZ INTERMITENTE DISPONIBLE BAJO PETICIÓN)



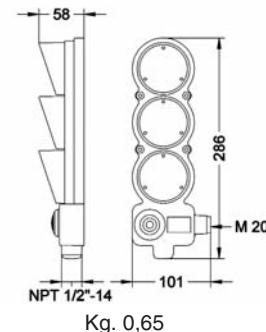
IP 55

SMFR 6.3 LD 8Q A
SMFR 6.3 LD 8QA

(12) (16)

SMFR6.3LD8QA32412DA ● ● 69441
SMFR6.3LD8QA32424DA ● ● 69442
SMFR6.3LD8QA32448DA ● ● 69443
SMFR6.3LD8QA324110A ● ● 69444
SMFR6.3LD8QA324240A ● ● 69445

V ---	12	24	48	-	-
V ~	110	240			
mA	40	40	40	20	30
mA	40	40	40	20	30
dB(A)1m	82	82	82	82	82



IP 43

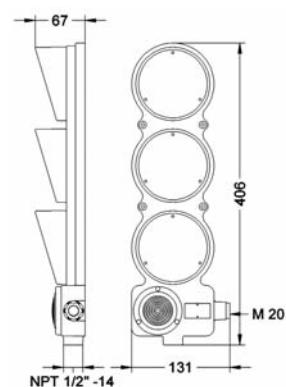
SMFR 9.3 LD 16Q A
SMFR 9.3 LD 16QA

(12) (16)

SMFR9.3LD16QA32412D ● ● 69569
SMFR9.3LD16QA32412A ● ● 69446
SMFR9.3LD16QA32424D ● ● 69570
SMFR9.3LD16QA32424A ● ● 69447
SMFR9.3LD16QA32448A ● ● 69448
SMFR9.3LD16QA324110A ● ● 69449
SMFR9.3LD16QA324240A ● ● 69450

V ---	12	24
mA	140	130
mA	140	130
dB(A)1m	90	90

V ~	12	24	48	110	240
mA	195	230	215	75	50
mA	195	230	195	75	50
dB(A)1m	85	85	85	85	85



Kg. 0,91



IP 43

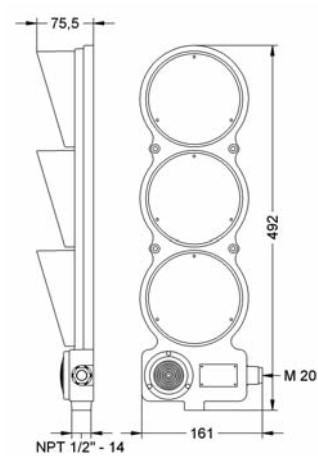
SMFR 12.3 LD 24Q A
SMFR 12.3 LD 24QA

(12) (16)

SMFR12.3LD24QA32412D ● ● 69574
SMFR12.3LD24QA32412A ● ● 69451
SMFR12.3LD24QA32424D ● ● 69575
SMFR12.3LD24QA32424A ● ● 69452
SMFR12.3LD24QA32448A ● ● 69453
SMFR12.3LD24QA324110A ● ● 69454
SMFR12.3LD24QA324240A ● ● 69455

V ---	12	24
mA	155	145
mA	155	145
dB(A)1m	90	90

V ~	12	24	48	110	240
mA	210	245	235	75	50
mA	210	245	210	75	50
dB(A)1m	85	85	85	85	85



Kg. 1,30

Altri colori disponibili a richiesta - Other colours available on request - D'autres couleurs disponibles sur demande - Andere Farben auf Anfrage lieferbar - Otros colores disponibles bajo petición
Disponibili versioni con lampada a incandescenza e allo xeno / Filament and xenon bulb versions available / Disponibles versions avec ampoule à filament et au xénon / Ausführungen mit Glühlampe und Xenon-Blitzröhre lieferbar / Disponibles versiones con lámpara incandescente y de xenón



SEMAFORI INDUSTRIALI A LED

INDUSTRIAL LED TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE A LEDS / INDUSTRIE LED-SIGNALAMPELN / SEMÁFOROS INDUSTRIALES DE LED'S

V 12~ - 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)		50/60 Hz
IP 65		$^{\circ}\text{C}$ -30 +50

On



1	2	3	4	5	6	PC
---	---	---	---	---	---	----

AUTOESTINGUENTE
SELF-EXTINQUISHING
AUTO-EXTINGUISHING
SELBSTLOSCHEND
AUTOEXTINGUIBLE

LUCE FISSA (OPZIONE LUCE LAMPEGGIANTE A RICHIESTA) / CONTINUOUS LIGHT (FLASHING LIGHT OPTION AVAILABLE ON REQUEST) / LUMIERE FIXE (LUMIERE CLIGNOTANTE DISPONIBLE SUR DEMANDE) / DAUERLICHT (BLINKLICHT AUF ANFRAGE LIEFERBAR) / LUZ FIJA (LUZ INTERMITENTE DISPONIBLE BAJO PETICIÓN)

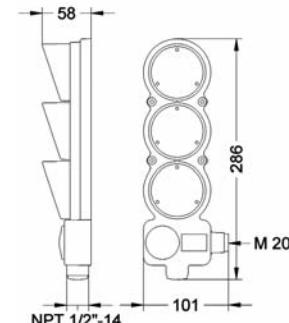


SMFR 6.2 LD 8Q
SMFR 6.2 LD 8Q

(12) (16)

SMFR6.2LD8Q3412DA 69426
SMFR6.2LD8Q3424DA 69427
SMFR6.2LD8Q3448DA 69428
SMFR6.2LD8Q34110A 69429
SMFR6.2LD8Q34240A 69430

V---	12	24	48	-	-
V~				110	240
mA	30	30	30	15	20
mA	30	30	30	15	20



Kg. 0,56

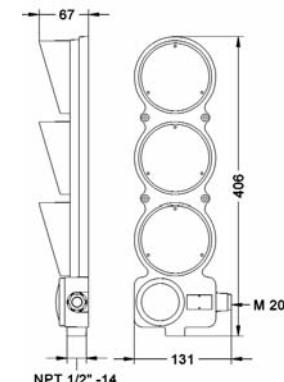


SMFR 9.2 LD 16Q
SMFR 9.2 LD 16Q

(12) (16)

SMFR9.2LD16Q3412DA 69431
SMFR9.2LD16Q3424DA 69432
SMFR9.2LD16Q3448DA 69433
SMFR9.2LD16Q34110A 69434
SMFR9.2LD16Q34240A 69435

V---	12	24	48	-	-
V~				110	240
mA	90	90	100	20	20
mA	90	90	80	20	20



Kg. 0,82

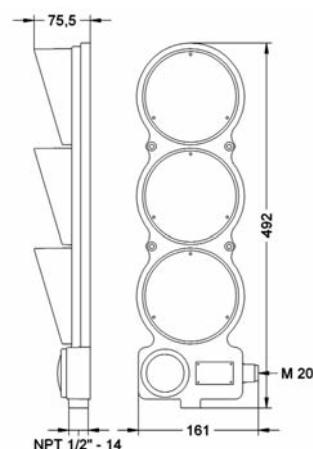


SMFR 12.2 LD 24Q
SMFR 12.2 LD 24Q

(12) (16)

SMFR12.2LD24Q3412DA 69436
SMFR12.2LD24Q3424DA 69437
SMFR12.2LD24Q3448DA 69438
SMFR12.2LD24Q34110A 69439
SMFR12.2LD24Q34240A 69440

V---	12	24	48	-	-
V~				110	240
mA	105	105	120	20	20
mA	105	105	95	20	20



Kg. 1,05

Altri colori disponibili a richiesta - Other colours available on request - D'autres couleurs disponibles sur demande - Andere Farben auf Anfrage lieferbar - Otros colores disponibles bajo petición
Disponibili versioni con lampada a incandescenza e allo xeno / Filament and xenon bulb versions available / Disponibles versions avec ampoule à filament et au xénon / Ausführungen mit Glühlampe und Xenon-Blitzröhre lieferbar / Disponibles versiones con lámpara incandescente y de xenón

SEMAFORI INDUSTRIALI A LED

INDUSTRIAL LED TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE A LEDS / INDUSTRIE LED-SIGNALAMPELN / SEMÁFOROS INDUSTRIALES DE LED'S

V 12---12~ - 24---24~ - 48---48~ - 110~ - 240~ ($\pm 10\%$)	---	~	50/60 Hz	IP 43
°C -30 +50		On ∞		55

LUCE FISSA CON ACUSTICA (OPZIONE LUCE LAMPEGGIANTE A RICHIESTA) / CONTINUOUS LIGHT WITH ACOUSTICS (FLASHING LIGHT OPTION AVAILABLE ON REQUEST) / LUMIERE FIXE AVEC ACOUSTIQUE (LUMIERE CLIGNOTANTE DISPONIBLE SUR DEMANDE) / DAUERLICHT MIT AKUSTIK (BLINKLICHT AUF ANFRAGE LIEFERBAR) / LUZ FIJA CON ACÚSTICA (LUZ INTERMITENTE DISPONIBLE BAJO PETICIÓN)



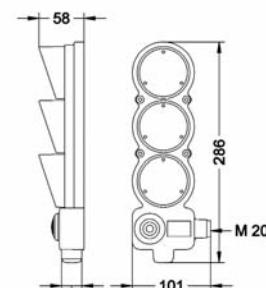
IP 55

SMFR 6.2 LD 8Q A
SMFR 6.2 LD 8QA

(12) (16)

SMFR6.2LD8QA3412DA ● ● 69456
SMFR6.2LD8QA3424DA ● ● 69457
SMFR6.2LD8QA3448DA ● ● 69458
SMFR6.2LD8QA34110A ● ● 69459
SMFR6.2LD8QA34240A ● ● 69460

	V ---	12	24	48	-	-
V ~		110	240			
mA	40	40	40	20	30	
mA	40	40	40	20	30	
dB(A)1m	82	82	82	82	82	



Kg. 0,60



IP 43

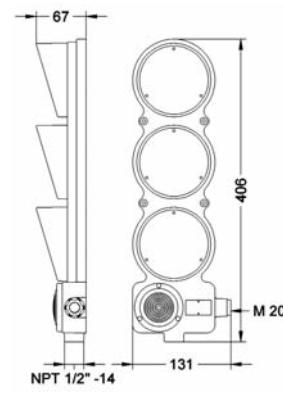
SMFR 9.2 LD 16Q A
SMFR 9.2 LD 16QA

(12) (16)

SMFR9.2LD16QA3412D ● ● 69579
SMFR9.2LD16QA3412A ● ● 69461
SMFR9.2LD16QA3424D ● ● 69580
SMFR9.2LD16QA3424A ● ● 69462
SMFR9.2LD16QA3448A ● ● 69463
SMFR9.2LD16QA34110A ● ● 69464
SMFR9.2LD16QA34240A ● ● 69465

	V ---	12	24
mA	140	130	
mA	140	130	
dB(A)1m	90	90	

	V ~	12	24	48	110	240
mA	195	230	215	75	50	
mA	195	230	195	75	50	
dB(A)1m	85	85	85	85	85	



Kg. 0,89



IP 43

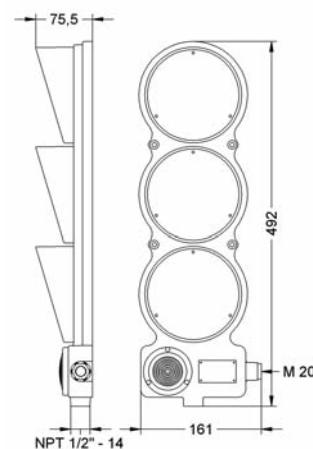
SMFR 12.2 LD 24Q A
SMFR 12.2 LD 24QA

(12) (16)

SMFR12.2LD24QA3412D ● ● 69584
SMFR12.2LD24QA3412A ● ● 69466
SMFR12.2LD24QA3424D ● ● 69585
SMFR12.2LD24QA3424A ● ● 69467
SMFR12.2LD24QA3448A ● ● 69468
SMFR12.2LD24QA34110A ● ● 69469
SMFR12.2LD24QA34240A ● ● 69470

	V ---	12	24
mA	155	145	
mA	155	145	

	V ~	12	24	48	110	240
mA	210	245	235	75	50	
mA	210	245	210	75	50	
dB(A)1m	85	85	85	85	85	



Kg. 1,10

Altri colori disponibili a richiesta - Other colours available on request - D'autres couleurs disponibles sur demande - Andere Farben auf Anfrage lieferbar - Otros colores disponibles bajo petición
Disponibili versioni con lampada a incandescenza e allo xeno / Filament and xenon bulb versions available / Disponibles versions avec ampoule à filament et au xénon / Ausführungen mit Glühlampe und Xenon-Blitzröhre lieferbar / Disponibles versiones con lámpara incandescente y de xenón

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LX1 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

LX1 C - BLINKING OR CONTINUOUS LIGHT
WITH ELECTRONICS

LX1 C - LUMIERE CLIGNOTANTE OU FIXE
AVEC ELECTRONIQUE

LX1 C - BLINK- ODER DAUERLICHT MIT ELEKTRONIK
LX1 C - LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

LX1 010 C	210
LX1 040 C	210
LX1 080 C	210
LX1 120 C	210
LX1 060 C	210
LX1 150 C	210
LX1 030 C	210
LX1 160 C	210
LX1 031 C	210
LX1 161 C	210
LX1 032 C	211
LX1 162 C	211
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LX1 070 C	211
LX1 110 C	211
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LX1 B - LUCE A BALLOTTAGGIO

LX1 B - ALTERNATING LIGHT
LX1 B - LUMIERE EN ALTERNANCE
LX1 B - WECHSELBLINKLICHT
LX1 B - LUZ ALTERNADA

LX1 060 B	212
LX1 150 B	212
LX1 030 B	212
LX1 160 B	212
LX1 070 B	212
LX1 110 B	212
LX1 081 B	212
LX1 121 B	212

LX2 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

LX2 C - BLINKING OR CONTINUOUS LIGHT
WITH ELECTRONICS

LX2 C - LUMIERE CLIGNOTANTE OU FIXE
AVEC ELECTRONIQUE

LX2 C - BLINK- ODER DAUERLICHT MIT ELEKTRONIK
LX2 C - LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

LX2 010 C	213
LX2 040 C	213
LX2 080 C	213
LX2 120 C	213
LX2 060 C	213
LX2 150 C	213
LX2 030 C	213
LX2 160 C	213
LX2 031 C	213
LX2 161 C	213
LX2 032 C	214
LX2 162 C	214
LX2 033 C	214
LX2 163 C	214
LX2 070 C	214
LX2 110 C	214
LX2 081 C	215
LX2 121 C	215
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LX2 B - LUCE A BALLOTTAGGIO

LX2 B - ALTERNATING LIGHT
LX2 B - LUMIERE EN ALTERNANCE
LX2 B - WECHSELBLINKLICHT
LX2 B - LUZ ALTERNADA

LX2 060 B	216
LX2 150 B	216
LX2 030 B	216
LX2 160 B	216
LX2 070 B	216
LX2 110 B	216
LX2 081 B	216
LX2 121 B	216

LX3 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

LX3 C - BLINKING OR CONTINUOUS LIGHT
WITH ELECTRONICS

LX3 C - LUMIERE CLIGNOTANTE OU FIXE
AVEC ELECTRONIQUE

LX3 C - BLINK- ODER DAUERLICHT MIT ELEKTRONIK
LX3 C - LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

LX3 010 C	217
LX3 040 C	217
LX3 080 C	217
LX3 120 C	217
LX3 060 C	217
LX3 150 C	217
LX3 030 C	217
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LX3 162 C	218
LX3 033 C	218
LX3 163 C	218
LX3 070 C	219
LX3 110 C	219
LX3 081 C	219
LX3 121 C	219
LX3 071 C	219
LX3 111 C	219
LX3 082 C	219
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LX3 072 C	220
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LX3 B - LUCE A BALLOTTAGGIO

LX3 B - ALTERNATING LIGHT
LX3 B - LUMIERE EN ALTERNANCE
LX3 B - WECHSELBLINKLICHT
LX3 B - LUZ ALTERNADA

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LX3 081 B	221
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LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

LX4 C - BLINKING OR CONTINUOUS LIGHT
WITH ELECTRONICS

LX4 C - LUMIERE CLIGNOTANTE OU FIXE
AVEC ELECTRONIQUE

LX4 C - BLINK- ODER DAUERLICHT MIT ELEKTRONIK
LX4 C - LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

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LX4 040 C	222
LX4 080 C	222
LX4 120 C	222
LX4 060 C	222
LX4 150 C	222
LX4 070 C	222
LX4 110 C	223
LX4 081 C	223
LX4 121 C	223
LX4 071 C	223
LX4 111 C	223
LX4 082 C	223
LX4 122 C	224
LX4 072 C	224
LX4 112 C	224
LX4 083 C	224
LX4 073 C	225
LX4 084 C	225
LX4 074 C	225

LX4 B - LUCE A BALLOTTAGGIO

LX4 B - ALTERNATING LIGHT
LX4 B - LUMIERE EN ALTERNANCE
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LX4 B - LUZ ALTERNADA

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LX4 150 B	226
LX4 070 B	226
LX4 110 B	226
LX4 081 B	226
LX4 121 B	226

LX1 F - LUCE FISSA SENZA ELETTRONICA

LX1 F - CONTINUOUS LIGHT WITHOUT ELECTRONICS
LX1 F - LUMIERE FIXE SANS ELECTRONIQUE
LX1 F - DAUERLICHT OHNE ELEKTRONIK
LX1 F - LUZ FIJA SIN ELECTRÓNICA

LX1 010 F	227
LX1 040 F	227
LX1 080 F	227
LX1 120 F	227
LX1 060 F	227
LX1 150 F	227
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LX1 160 F	227
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LX1 161 F	228
LX1 032 F	228
LX1 162 F	228
LX1 033 F	228
LX1 163 F	228
LX1 070 F	228
LX1 110 F	229
LX1 081 F	229
LX1 121 F	229
LX1 071 F	229
LX1 111 F	229

LX2 F - LUCE FISSA SENZA ELETTRONICA

LX2 F - CONTINUOUS LIGHT WITHOUT ELECTRONICS
 LX2 F - LUMIERE FIXE SANS ELECTRONIQUE
 LX2 F - DAUERLICHT OHNE ELEKTRONIK
 LX2 F - LUZ FIJA SIN ELECTRÓNICA

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LX2 040 F	230
LX2 080 F	230
LX2 120 F	230
LX2 060 F	230
LX2 150 F	230
LX2 030 F	230
LX2 160 F	230
LX2 031 F	231
LX2 161 F	231
LX2 032 F	231
LX2 162 F	231
LX2 033 F	231
LX2 163 F	231
LX2 070 F	232
LX2 110 F	232
LX2 081 F	232
LX2 121 F	232
LX2 071 F	232
LX2 111 F	232
LX2 082 F	232
LX2 122 F	233
LX2 072 F	233
LX2 112 F	233
LX2 083 F	233
LX2 073 F	233

LX3 F - LUCE FISSA SENZA ELETTRONICA

LX3 F - CONTINUOUS LIGHT WITHOUT ELECTRONICS
 LX3 F - LUMIERE FIXE SANS ELECTRONIQUE
 LX3 F - DAUERLICHT OHNE ELEKTRONIK
 LX3 F - LUZ FIJA SIN ELECTRÓNICA

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LX3 080 F	234
LX3 120 F	234
LX3 060 F	234
LX3 150 F	234
LX3 030 F	234
LX3 160 F	234
LX3 031 F	235
LX3 161 F	235
LX3 032 F	235
LX3 162 F	235
LX3 033 F	235
LX3 163 F	236
LX3 070 F	236
LX3 110 F	236
LX3 081 F	236
LX3 121 F	237
LX3 071 F	237
LX3 111 F	237
LX3 082 F	237
LX3 122 F	237
LX3 072 F	237
LX3 112 F	238
LX3 083 F	238
LX3 073 F	238
LX3 084 F	238
LX3 074 F	238

LX4 F - LUCE FISSA SENZA ELETTRONICA

LX4 F - CONTINUOUS LIGHT WITHOUT ELECTRONICS
 LX4 F - LUMIERE FIXE SANS ELECTRONIQUE
 LX4 F - DAUERLICHT OHNE ELEKTRONIK
 LX4 F - LUZ FIJA SIN ELECTRÓNICA

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LX4 040 F	239
LX4 080 F	239
LX4 120 F	239
LX4 060 F	239
LX4 150 F	239
LX4 070 F	239
LX4 110 F	240
LX4 081 F	240
LX4 121 F	240
LX4 071 F	240
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LX4 082 F	240
LX4 122 F	241
LX4 072 F	241
LX4 112 F	241
LX4 083 F	241
LX4 073 F	242
LX4 084 F	242
LX4 074 F	242

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LX4 R - ROTATING BEACON
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 LX4 R - DREHSPIEGELLEUCHTE
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LX4 C - BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS + ROTATING BEACON
 LX4 C - LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE + FEU TOURNANT
 LX4 C - BLINK- ODER DAUERLICHT MIT ELEKTRONIK + DREHSPIEGELLEUCHTE
 LX4 C - LUZ INTERMITENTE O FIJA CON ELECTRÓNICA + LUZ ROTATIVA

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LX4 093 C	247
LX4 103 C	247

LX4 F - LUCE FISSA SENZA ELETTRONICA + LUCE ROTANTE

LX4 F - CONTINUOUS LIGHT WITHOUT ELECTRONICS + ROTATING BEACON
LX4 F - LUMIERE FIXE SANS ELECTRONIQUE + FEU TOURNANT
LX4 F - DAUERLICHT OHNE ELEKTRONIK + DREHSPIEGELLEUCHTE
LX4 F - LUZ FIJA SIN ELECTRÓNICA + LUZ ROTATIVA

LX4 090 F	248
LX4 130 F	248
LX4 100 F	248
LX4 140 F	248
LX4 091 F	248
LX4 131 F	248
LX4 101 F	249
LX4 141 F	249
LX4 092 F	249
LX4 102 F	249
LX4 093 F	250
LX4 103 F	250

LX2 X - LUCE A FLASH

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LX2 X - LUZ DE DESTELLOS

LX2 020 X	251
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LX3 X - LUCE A FLASH

LX3 X - XENON FLASHING BEACON
LX3 X - FEU A ECLATS
LX3 X - BLITZLEUCHTE
LX3 X - LUZ DE DESTELLOS

LX3 020 X	251
LX3 050 X	251

LX4 X - LUCE A FLASH

LX4 X - XENON FLASHING BEACON
LX4 X - FEU A ECLATS
LX4 X - BLITZLEUCHTE
LX4 X - LUZ DE DESTELLOS

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ACCESSORIES
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TWS



MINI TWS



BABY TWS



MICRO TWS



NANO TWS

TWS E LUXOR: DUE FILOSOFIE A CONFRONTO

La SIRENA, azienda specializzata nel campo della segnalazione ottica e acustica di emergenza, è da sempre sensibile al continuo rinnovamento produttivo che caratterizza il sistema industriale, e per tale motivo ha ideato e realizzato due diverse linee di colonne luminose destinate alla segnalazione bordo macchina: la linea **TOWER SECTOR** e la linea **LUXOR**.

Le caratteristiche salienti che contraddistinguono la linea **TWS** sono essenzialmente tre:

- SICUREZZA TOTALE, UNICA, ASSOLUTA**
- SEMPLICITÀ DI MONTAGGIO**
- VERSATILITÀ DI UTILIZZO** tramite una vasta gamma di accessori

La SIRENA affianca alla serie TWS diametro 70 mm una nuovissima generazione di altre 4 colonnine a LED INTEGRATI:

- “**MINI TWS**” **diametro 48 mm**
- “**BABY TWS**” **diametro 36 mm**
- “**MICRO TWS**” **diametro 25 mm**
- “**NANO TWS**” **diametro 18 mm**

A differenza della serie TWS diametro 70 che offre diverse opzioni per quanto riguarda le sorgenti luminose, le nuove serie TWS LED si caratterizzano per la disponibilità della sola versione a LED INTEGRATI che rappresenta un’evoluzione importante e all'avanguardia per le scelte tecniche adottate.

Le sue caratteristiche tecniche rappresentano l'avanguardia nell'attuale tecnologia: resistenza dei materiali, autoestinguenza, elevato grado IP, resistenza alle vibrazioni, classe II di isolamento.

La linea **LUXOR**, grazie alla sua grande versatilità di composizione, nasce per rispondere alle moderne esigenze di segnalazione industriale, risolvendo ogni problema di installazione in quanto è l'unica sul mercato che presenta le seguenti caratteristiche:

- 4 MISURE DIVERSE (Ø 45 - Ø 65 - Ø 90 - Ø 136) PER OGNI COMPONENTE**
- 260 CONFIGURAZIONI GIÀ ASSEMBLATE**
- SICUREZZA TOTALE**

Il LUXOR, fornito in configurazioni già assemblate, è previsto in 4 diversi diametri per adattarsi ad ambienti, spazi e macchinari di varie dimensioni, nonché in molteplici versioni con elementi singoli, in linea, in colonna o contrapposti e nelle più svariate possibilità di attacco.

I messaggi luminosi, disponibili in 6 diversi colori, possono essere fissi, lampeggianti, flash, rotanti o a ballo-lottaggio e possono essere abbinati ad un segnale acustico.

Grazie alla facile estensibilità del sistema LUXOR, esiste sempre la possibilità per il progettista dell'impianto o l'installatore di trasformare una colonna a due elementi in una colonna a tre o più stazioni, aggiungendo uno o più diffusori e sostituendo la scheda esistente con una scheda a più stazioni.

L'idea guida del LUXOR è la “sicurezza totale”, al pari del TWS. All'apertura dell'apparecchio infatti viene eliminata ogni possibilità di venire a contatto con parti in tensione, ad eccezione delle luci rotanti, poiché l'alimentazione viene interrotta, offrendo quindi la massima sicurezza all'operatore.

Gli elementi LUXOR sono previsti per tre diverse fonti luminose: lampada a filamento, lampada allo xeno e lampada a LED.

TWS e LUXOR sono quindi due diversi sistemi di segnalazione, ma operanti con un'unica logica:

IL MASSIMO DELLE PRESTAZIONI NELLA SICUREZZA TOTALE



TWS AND LUXOR: COMPARISON OF TWO PHILOSOPHIES

SIRENA, specialists in the audible and visual warning field, is constantly aware of continual production changes that characterize industrial standards and, for this reason, has developed two different ranges of luminous towers especially designed for installation on machines: **TOWER SECTOR** and **LUXOR**.

The main characteristics that distinguish the **TWS** range are:

- TOTAL SAFETY**
- EASY INSTALLATION**
- APPLICATION VERSATILITY** using the wide range of accessories available

SIRENA has added a new generation of 4 LED INTEGRATED luminous columns to the existing 70 mm diameter TWS series:

- “**MINI TWS**” **diameter 48 mm**
- “**BABY TWS**” **diameter 36 mm**
- “**MICRO TWS**” **diameter 25 mm**
- “**NANO TWS**” **diameter 18 mm**

Unlike the 70 diameter TWS series that offers an incomparable range of light source options, the new TWS LED columns are characterized by a unique LED INTEGRATED version that represents an extremely important evolution and the most up-to-date technical solutions.

The technical characteristics of the TWS range represent the most recent advanced technology: highly resistant and self-extinguishing material, improved IP rating, vibration proof, isolation class II.

The **LUXOR** range, thanks to the adaptability of the numerous compositions available, has been especially designed to meet modern requirements in industrial signalling, solving any installation problem. It is the only range of products on the market offering the following characteristics:

- 4 DIFFERENT SIZES (Ø 45 - Ø 65 - Ø 90 - Ø 136) FOR EACH COMPONENT**
- 260 PRE-ASSEMBLED CONFIGURATIONS**
- TOTAL SAFETY**

The LUXOR range is supplied in pre-assembled configurations and is available in 4 different dimensions so as to be adaptable for different size environments, areas and machines. Various versions are also available: single, in line, columns or elements placed opposite each other offering many installation opportunities.

The luminous versions available, in 6 different colours, are continuous, flashing, xenon, rotating and alternating. They can be combined with an acoustic signal.

The LUXOR system offers the designer or installer of the equipment the possibility to extend a single element version by adding more elements as required and substituting the existing PCB with a PCB of more elements.

The aim of the LUXOR range is “total safety”, the same as TWS. On opening the device it is impossible to touch “live” parts as the power supply is cut off (with the exception of the rotating beacon version) assuring maximum safety.

Three different types of light sources are available using the following bulbs: filament, xenon discharge tube and LED.

TWS and LUXOR are, therefore, two different warning systems working to the same goal:

MAXIMUM SERVICE IN TOTAL SAFETY

TWS ET LUXOR: LA COMPARAISON ENTRE DEUX PHILOSOPHIES

SIRENA, société leader dans le secteur de la signalisation acoustique et lumineuse d'urgence, est depuis toujours sensible au renouvellement continu dans la production qui caractérise le système industriel, et pour cette raison a réalisé deux différentes lignes de colonnes lumineuses destinées à la signalisation pour installation sur machine: les lignes **TOWER SECTOR** et **LUXOR**.

Les caractéristiques principales de la ligne **TWS** sont trois:

- SECURITE TOTALE, UNIQUE, ABSOLUE**
- FACILITE DE MONTAGE**
- POLYVALENCE D'EMPLOI** par une vaste gamme d'accessoires.

SIRENA introduit, à coté de la série TWS diamètre 70 mm, une nouvelle génération de 4 colonnes à LEDS INTEGREGES :

- | | |
|---------------|----------------|
| - "MINI TWS" | diamètre 48 mm |
| - "BABY TWS" | diamètre 36 mm |
| - "MICRO TWS" | diamètre 25 mm |
| - "NANO TWS" | diamètre 18 mm |

A différence de la série TWS diamètre 70 qui offre un assortiment de sources lumineuses, les nouvelles séries TWS LED sont disponibles dans la seule version à LEDS INTEGREGES qui représente une évolution importante et à l'avant-garde pour les choix techniques adoptés.

Ses caractéristiques techniques représentent l'avant-garde dans la technologie actuelle: résistance des matériels, auto-extinction, degré IP élevé, résistance aux vibrations, classe II d'isolation.

La ligne **LUXOR** répond aux modernes exigences de la signalisation industrielle grâce à sa large polyvalence de montage, et résout tout problème d'installation car elle est la seule sur le marché qui présente les caractéristiques suivantes:

- 4 DIMENSIONS DIFFERENTES (\varnothing 45 - \varnothing 65 - \varnothing 90 - \varnothing 136) POUR CHAQUE ELEMENT**
- 260 CONFIGURATIONS DEJA ASSEMBLEES**
- SECURITE TOTALE**

Le LUXOR, fourni en configurations déjà assemblées, est prévu en 4 diamètres différents pour s'adapter à toute dimension de rayons et lignes automatisées. En plus il est fourni en différentes versions avec éléments simples, en ligne, en colonne ou juxtaposés et avec plusieurs possibilités de fixation.

Les messages lumineux, disponibles en 6 différentes couleurs, peuvent être à lumière fixe, clignotante, à éclats, tournante ou en alternance et peuvent être associés à un signal acoustique.

Grâce à l'extensibilité du système LUXOR, il y a toujours la possibilité pour le technicien qui établit le projet ou l'installateur de transformer une colonne à deux éléments dans une colonne à trois ou plus éléments, en ajoutant un ou plus diffuseurs et en remplaçant le circuit existant avec un autre à plusieurs étages.

La prérogative du LUXOR est la "sécurité totale" comme pour le TWS. A l'ouverture de l'appareil en effet, toute possibilité de contact avec les parties sous tension est éliminée, à l'exception des feux tournants, parce-que l'alimentation est coupée à garantie de la sécurité totale pour l'opérateur.

Les éléments LUXOR sont prévus pour trois différentes sources lumineuses: ampoule à filament, ampoule au xénon et ampoule à LED.

TWS et LUXOR sont donc deux différents systèmes de signalisation qui suivent la même logique:

LE MAXIMUM DES RESULTATS DANS LA SECURITE TOTALE

TWS UND LUXOR: VERGLEICH ZWISCHEN ZWEI PHILOSOPHIEN

SIRENA: Spezialist auf dem Gebiet optischer und akustischer Signaltechnik ist stets auf dem Stand der Technik und hat deshalb zwei verschiedene Lichtsäulen Linien entwickelt, die speziell für die Installation an Maschinen gedacht sind: **TOWER SECTOR** und **LUXOR**.

Die wichtigsten Eigenschaften der TWS Linie sind:

- VOLLSTÄNDIGE SICHERHEIT**
- EINFACHE INSTALLATION**
- VIELFÄLTIGE EINSATZMÖGLICHKEITEN** durch umfangreiches Zubehör

SIRENA bietet neben der TWS Linie – Durchmesser 70 mm – eine neue Generation von 4 Signalsäulen mit INTEGRIERTEN LED:

- “MINI TWS”	Durchmesser 48 mm
- “BABY TWS”	Durchmesser 36 mm
- “MICRO TWS”	Durchmesser 25 mm
- “NANO TWS”	Durchmesser 18 mm

Zum Unterschied von der TWS Linie (Durchmesser 70), die eine reiche Auswahlmöglichkeit an Lichtquellen bietet, sind die neuen LED TWS Linien durch die einzige Ausführung mit INTEGRIERTEN LED gekennzeichnet, die eine wichtige und innovative Entwicklung, was die technischen Entscheidungen angeht, darstellt.

Die technischen Eigenschaften der TWS Linie stellen modernste Technologie dar: es werden höchst widerstandsfähige und selbst verlöschende Kunststoffe verwendet, hohe IP Schutzart, Vibrationsfestigkeit, Isolationsklasse II.

Die **LUXOR** Linie löst den jeweiligen Installationsfall durch die Vielfalt der Zusammenstellungen. Sie ist die einzige auf dem Markt mit folgenden Eigenschaften:

- 4 VERSCHIEDENE GRÖSSEN (Ø 45 - Ø 65 - Ø 90 - Ø 136) FÜR JEDES ELEMENT**
- 260 VORMONTIERTE ZUSAMMENSTELLUNGEN**
- VOLLSTÄNDIGE SICHERHEIT**

Die LUXOR Linie wird in vormontiertem Zustand und mit vier verschiedenen Größen geliefert. Außerdem sind auch lieferbar: Einzelemente, angereihte Elemente, Leuchttürme, aufeinandergesetzte Elemente und verschiedene Installationsmöglichkeiten.

Die Leuchtelemente sind in 6 Farben lieferbar, sie sind als Dauerlicht, Blinklicht, Blitzlicht, Wechselblinklicht oder Drehspeigelleuchten lieferbar. Es ist außerdem möglich, ein akustisches Signal zu integrieren.

Durch die einfachen Erweiterungsmöglichkeiten im LUXOR System kann der Benutzer oder der Installateur z.B. einen zweistufigen Turm durch Auswechseln der Lampenhalterplatine und zusätzlicher weiterer Kalotten beliebig vergrößern.

Der Anspruch sowohl der LUXOR Linie als auch der TWS Linie ist “höchste Sicherheit” durch vollständigen Berührungsschutz (Ausnahme: Drehspeigelleuchten). Drei Lichtquellen sind lieferbar: Glühlampen, Blitzentladungsröhren und LED-Leuchtmittel.

TWS und LUXOR – zwei unterschiedliche Signalisierungssysteme für den gleichen Zweck:

QUALITÄT UND SICHERHEIT IN VOLLENDUNG

TWS Y LUXOR: DOS FILOSOFÍAS COMPARADAS

Desde siempre SIRENA, productor especializado en el sector de la señalización óptica y acústica de emergencia, es sensible hacia la continua actualización productiva característica del sector industrial, así que ha desarrollado y realizado dos líneas distintas de columnas luminosas para la instalación en maquinarias: la gama **TOWER SECTOR** y la **LUXOR**.

Las peculiaridades que caracterizan la gama **TWS** son principalmente tres:

- SEGURIDAD TOTAL, ÚNICA, ABSOLUTA**
- SENCILLEZ DE MONTAJE**
- EXTENSIBILIDAD**, gracias a una gama amplia de accesorios.

SIRENA junto a la serie TWS de 70 mm de diámetro, dispone de una nuevísima gama de 4 columnas de señalización de LED'S INTEGRADOS:

- “**MINI TWS**” diámetro 48 mm
- “**BABY TWS**” diámetro 36 mm
- “**MICRO TWS**” diámetro 25 mm
- “**NANO TWS**” diámetro 18 mm

A diferencia de la serie TWS (diámetro 70), la cual ofrece distintas opciones en lo que se refiere a las fuentes luminosas, las nuevas series TWS LED destacan por estar disponibles solamente en la versión de LED'S INTEGRADOS, la cual, sin embargo, representa una importante evolución y de vanguardia, gracias a las soluciones técnicas adoptadas.

Sus características técnicas representan la vanguardia en la tecnología actual: resistencia de los materiales, autoextinción, alto grado IP, resistencia a las vibraciones, clase II de aislamiento.

La gama **LUXOR**, por su gran polivalencia de composición, nace para satisfacer las modernas necesidades de señalización industrial, solucionando todos los problemas de instalación, ya que es la única en el mercado con las características siguientes:

- 4 MEDIDAS DISTINTAS (Ø 45 - Ø 65 - Ø 90 - Ø 136) DE CADA COMPONENTE**
- 260 CONFIGURACIONES YA ENSAMBLADAS**
- SEGURIDAD TOTAL**

LUXOR, suministrada en configuraciones ya ensambladas, se prevee con 4 diámetros distintos, para que se adapte en ambientes, espacios y maquinarias de dimensiones distintas, así como en muchas versiones con elementos individuales, en línea, en columna o contrapuestos y con las posibilidades más variadas de enganche.

Los mensajes luminosos, disponibles en 6 colores distintos, pueden ser fijos, intermitentes, de destellos, rotativos o alternados, y pueden venir con una señal acústica.

Gracias a la fácil extensibilidad del sistema LUXOR, el proyectista de la planta o el instalador pueden siempre transformar una columna de dos módulos en una columna de tres o más de tres, añadiendo uno o más difusores y remplazando el circuito existente con otro con más módulos.

La idea guía de LUXOR es la “seguridad total”, igual como TWS. De echo, cuando se abre el módulo no es posible tocar elementos bajo tensión, excepto los rotativos, ya que se saca la alimentación, así garantizando la seguridad total del usuario.

Los elementos LUXOR se preveen para tres distintas fuentes de luz: lámpara de incandescencia, de Xeno y de LED.

Por lo tanto, TWS y LUXOR representan dos sistemas bien distintos de señalización pero con una lógica única:

MÁXIMAS PRESTACIONES Y SEGURIDAD TOTAL

TOWER SECTOR: TWS - MINI TWS



DUE DIAMETRI CON UNA STESSA FILOSOFIA

TWO DIAMETERS WITH THE SAME PHILOSOPHY

DEUX DIAMETRES UNE SEULE PHILOSOPHIE

ZWEI DURCHMESSER MIT DER SELBEN PHILOSOPHIE

DOS TAMAÑOS Y UNA ÚNICA FILOSOFÍA

ACCESSORI TWS e MINI TWS

TWS AND MINI TWS ACCESSORIES

ACCESSIONS TWS ET MINI TWS

ZUBEHÖR TWS UND MINI TWS

ACCESORIOS TWS Y MINI TWS



Molteplici possibilità di montaggio offerte dai vari elementi e accessori dotati di filettatura 1/2" NPT.

Multiple installation possibilities are offered by the various modules and the accessories fitted with 1/2" NPT thread.

Nombreuses possibilités d'assemblage grâce aux différents éléments et accessoires équipés d'un filetage 1/2" NPT.

Dank der verschiedenen Elementen und Zubehör mit 1/2" NPT Gewinde sind zahlreiche Kombinationen möglich.

Múltiples posibilidades de montaje ofrecidas por los varios elementos y accesorios con rosca 1/2" NPT.

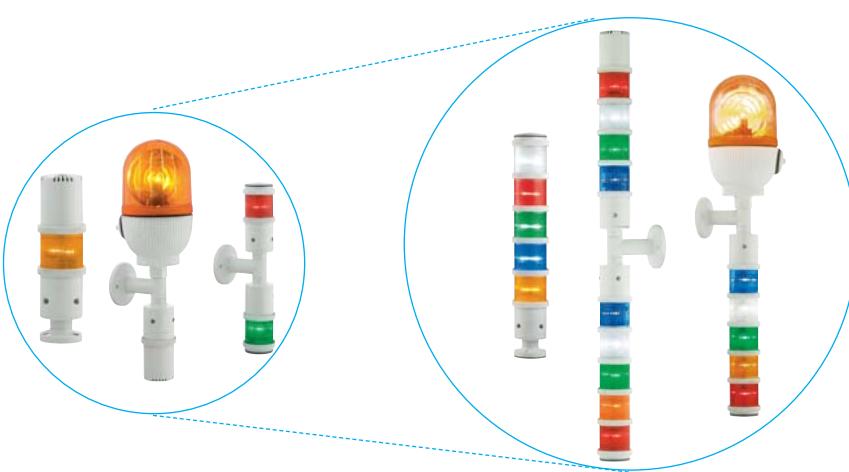
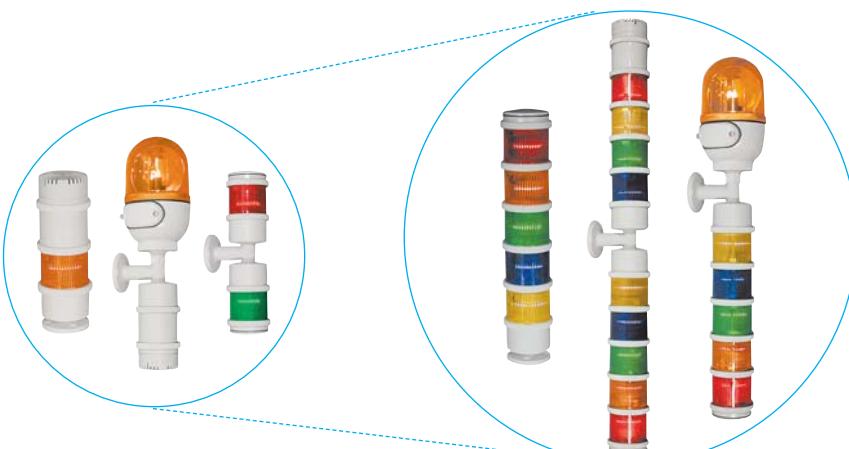
Su ogni modulo di base (TWS B.C. / MINI TWS B.C.) si possono montare fino a 5 elementi di segnalazione. Con l'utilizzo della base a parete con doppia filettatura 1/2" NPT (TWS BP 2) è possibile installare fino a 10 moduli o contrapporre la TWS e la MINI TWS ad una luce della gamma BABYROT, BABYLAMP, BABYFLASH.

On each base (TWS B.C. / MINI TWS B.C.) 5 modules can be assembled. It is possible to install up to 10 modules or to match TWS and MINI TWS with a beacon from the BABYROT, BABYLAMP, BABYFLASH range using the base with 1/2" NPT double thread for wall mounting (TWS BP 2).

Sur chaque élément de base (TWS B.C. / MINI TWS B.C.) on peut installer jusqu'à 5 éléments de signalisation. Avec le support mural à double filetage 1/2" NPT (TWS BP 2), il est possible d'installer jusqu'à 10 éléments ou de juxtaposer la colonne TWS et la MINI TWS à un feu de la gamme BABYROT, BABYLAMP, BABYFLASH.

Auf jedes Anschlußelement (TWS B.C. / MINI TWS B.C.) kann man bis zu 5 Signalelemente montieren. Bei Verwendung der 2-1/2" NPT- Gewinde Wandhalterung (TWS BP 2) ist es auch möglich, bis zu 10 Signalelemente zu installieren oder die TWS und die MINI TWS mit einer Leuchte der Linie BABYROT, BABYLAMP, BABYFLASH zu ergänzen.

Por encima de cada módulo de base (TWS B.C. / MINI TWS B.C.) se pueden instalar hasta 5 elementos de señalización. Al utilizar el montaje de pared de doble rosca 1/2" NPT (TWS BP 2) es posible montar hasta 10 módulos o contraponer la TWS y la MINI TWS a una luz de la gama BABYROT, BABYLAMP, BABYFLASH.





MODULI LUMINOSI TWS e MINI TWS

TWS and MINI TWS LUMINOUS MODULES / ELEMENTS LUMINEUX TWS et MINI TWS
LICHELEMENTE TWS und MINI TWS / ELEMENTOS LUMINOSOS TWS y MINI TWS

6 COLORI DISPONIBILI IN 4 DIVERSE FONTI LUMINOSE

6 COLOURS AVAILABLE IN 4 DIFFERENT LIGHT SOURCES

6 COULEURS DISPONIBLES EN 4 DIFFERENTES SOURCES LUMINEUSES

6 FARBEN DER LICHELEMENTE IN 4 VERSCHIEDENEN LICHTQUELLEN

6 COLORES DISPONIBLES EN 4 DISTINTAS FUENTES LUMINOSAS



6 COLORI DISPONIBILI IN UN'UNICA FONTE LUMINOSA

6 COLOURS AVAILABLE IN A UNIQUE LIGHT SOURCE

6 COULEURS DISPONIBLES EN UNE SEULE SOURCE LUMINEUSE

6 FARBEN DER LICHELEMENTE IN EINER EINZIGEN LICHTQUELLE

6 COLORES DISPONIBLES CON UNA ÚNICA FUENTE LUMINOSA



LAMPADA A FILAMENTO
FILAMENT BULB
AMPOULE A FILAMENT
GLÜHlampe
LÁMPARA DE FILAMENTO



LAMPADA A LED
LED BULB
AMPOULE A LED
LED-LEUCHTMittel
LÁMPARA DE LED



LAMPADA ALLO XENO
XENON TUBE
TUBE AU XENON
XENON-RÖHRE
LÁMPARA DE XENÓN



LED INTEGRATI
INTEGRATED LED
LEDS INTEGRÉES
INTEGRIERTE LED
LED'S INTEGRADOS

LD MINI TWS F/L

Modulo luminoso comprendente 4 LED "multi-chip" di nuovissima generazione con view-angle di 120° caduno. Ogni singolo LED consta di 4 "chips" che permettono di ottenere un'eccezionale resa luminosa con bassissimo assorbimento di corrente. I LED sono saldati sul circuito stampato verticale e sono quindi particolarmente resistenti alle vibrazioni. Ogni modulo offre la possibilità della funzione luce fissa/luce lampeggiante.

Luminous module comprising 4 new generation "multi-chip" LED with 120° view-angle each chip. Every single LED has 4 "chips" that produce an excellent light output with extremely low power consumption. The LED are welded on a vertical printed circuit and are therefore particularly resistant to vibrations. Each module has a continuous light or flashing light option.

Elément lumineux comprenant 4 LEDS "multi-chip" de nouvelle génération avec angle de visibilité de 120° chacun. Chaque LED individuelle se compose de 4 "chips" qui permettent d'obtenir un excellent rendement lumineux avec très basse consommation de courant. Les LEDS sont soudées sur le circuit imprimé vertical et sont donc particulièrement résistantes aux vibrations. Chaque élément offre la possibilité de la fonction lumière fixe/lumière clignotante.

Lichtelement mit 4 „multi-chip“ LED neuer Generation mit je 120° Gesichtswinkel. Jede LED hat 4 „Chips“, die eine hohe Lichtstärke mit sehr niedrigem Stromverbrauch ermöglichen. Die LED sind auf der senkrechten Platine gelötet und sind daher besonders vibrationsfest. Es ist möglich jedes Element als Blink-/Dauerlicht zu benutzen.

Elemento luminoso provisto de 4 LED "multi-chip" de nueva generación de 120° de visibilidad cada uno. Los LED'S empleados cuentan con 4 "chips" que permiten obtener un excepcional rendimiento luminoso con un bajísimo consumo. Los LED'S están soldados sobre el circuito impreso vertical y, por lo tanto, resultan ser muy resistentes a eventuales vibraciones. Cada módulo ofrece tanto la función de luz fija como la de luz intermitente.

MODULI ACUSTICI
 ACOUSTIC MODULES
 ELEMENTS ACOUSTIQUES
 AKUSTISCHE ELEMENTE
 ELEMENTOS ACÚSTICOS

MODULI ACUSTICI TWS

TWS ACOUSTIC MODULES
 ELEMENTS ACOUSTIQUES TWS
 AKUSTISCHE ELEMENTE TWS
 ELEMENTOS ACÚSTICOS TWS



IP 54



IP 65

MODULO ACUSTICO MINI TWS

MINI TWS ACOUSTIC MODULE
 ELEMENT ACOUSTIQUE MINI TWS
 AKUSTISCHES ELEMENT MINI TWS
 ELEMENTO ACÚSTICO MINI TWS



MODULO PIEZO ELETTRICO TWS A - 6 SUONI

TWS A PIEZOELECTRIC MODULE - 6 SOUNDS
 ELEMENT PIEZO-ELECTRIQUE TWS A - 6 SONS
 PIEZOELEKTRISCHES ELEMENT TWS A - 6 TONFOLGEN
 ELEMENTO PIEZOELÉCTRICO TWS A - 6 TONOS

MODULO MAGNETODINAMICO MINI TWS A - 1 SUONO BITONALE

MINI TWS A MAGNETODYNAMIC MODULE - 1 BITONE SOUND
 ELEMENT MAGNETO-DYNAMIQUE MINI TWS A - 1 SON BITONAL
 MAGNETODYNAMISCHES ELEMENT MINI TWS A - 1 BITONALE TONFOLGE
 ELEMENTO MAGNETODINÁMICO MINI TWS A - 1 SONIDO BITONAL



MODULO MAGNETODINAMICO TWS AM - 32 SUONI

TWS AM MAGNETODYNAMIC MODULE - 32 SOUNDS
 ELEMENT MAGNETO-DYNAMIQUE TWS AM - 32 SONS
 MAGNETODYNAMISCHES ELEMENT TWS AM - 32 TONFOLGEN
 ELEMENTO MAGNETODINÁMICO TWS AM - 32 TONOS

BASI DI CABLAGGIO
 WIRING BASES
 BASES DE CABLAGE
 VERDRAHTUNGSSOCKEL
 BASES DE CONEXIONADO



BASE DI CABLAGGIO TWS B.C.
 TWS B.C. WIRING BASE
 BASE DE CABLAGE TWS B.C.
 VERDRAHTUNGSSOCKEL TWS B.C.
 BASE DE CONEXIONADO TWS B.C.



BASE DI CABLAGGIO MINI TWS B.C.
 MINI TWS B.C. WIRING BASE
 BASE DE CABLAGE MINI TWS B.C.
 VERDRAHTUNGSSOCKEL MINI TWS B.C.
 BASE DE CONEXIONADO MINI TWS B.C.

**Base di cablaggio completa
 di cappello e guarnizione di base**

Wiring base complete with cover and base gasket
 Base de câblage complète avec couvercle et joint de base
 Verdrahtungssockel mit Deckel und Sockeldichtung
 Base de conexionado con tapa de cierre y junta de base

**Base di cablaggio completa
 di piede di fissaggio e cappello di chiusura**

Wiring base complete with fixing foot and locking cover
 Base de câblage complète avec socle de fixation et couvercle de fermeture
 Verdrahtungssockel mit Fuß und Deckel
 Base de conexionado con soporte de montaje y tapa de cierre



TOWER SECTOR: TWS - MINI TWS

Tali linee sono state progettate per una sicurezza TOTALE, UNICA e ASSOLUTA. È possibile SOSTITUIRE LA LAMPADA (solo per TWS) O MODIFICARE LA COLONNA, aggiungendo o eliminando moduli, CON L'APPARECCHIO IN TENSIONE in maniera totalmente SICURA.

These ranges have been especially designed to ensure TOTAL, UNIQUE and ABSOLUTE safety. It is possible to REPLACE A BULB (for TWS only) or MODIFY THE COLUMN by adding/removing modules in complete SAFETY WITHOUT REMOVING THE POWER SUPPLY.

Ces lignes ont été conçues pour garantir une sécurité TOTALE, UNIQUE et ABSOLUE. Il est possible de REMPLACER L'AMPOULE (pour le TWS seulement) OU DE MODIFIER LA COLONNE, en ajoutant ou en enlevant des éléments tout en conservant L'APPAREIL SOUS TENSION en toute SECURITE.

Diese Linien sind für eine VOLLSTÄNDIGE, ABSOLUTE und EINZIGARTIGE Sicherheit realisiert. Der LEUCHTMITTEL-AUSTAUSCH (nur für TWS) oder DIE ÄNDERUNG DER SIGNALSÄULE, entweder bei Erweiterung oder Entfernung von Elementen, sind GEFAHRLOS UNTER SPANNUNG möglich.

Esas líneas fueron desarrolladas con el objetivo de ofrecer una seguridad TOTAL, ÚNICA y ABSOLUTA. Se puede REMPLAZAR LA LÁMPARA (sólo para el TWS) O VARIAR LA COLUMNA, añadiendo o eliminando módulos, CON EL APARATO BAJO TENSIÓN, de manera totalmente SEGURA.



Facilmente e velocemente COMBINABILE SENZA L'UTILIZZO DI UTENSILI: si posiziona la scheda di connessione verticale nell'apposita feritoia spingendo verso il basso, in seguito si ruota la ghiera fino al bloccaggio totale.

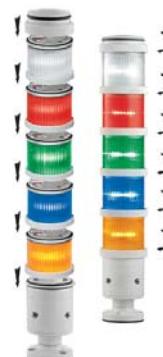
I moduli sono dotati di un sistema antisvitamento con dentini di aggancio tra ghiera e cupola su ogni modulo.

ASSEMBLY is quick and easy WITHOUT THE USE OF TOOLS: place the vertical printed circuit in the slits provided and push downwards twisting the lockring until the module has been completely secured. The modules have been made with an unscrewable tooth lockring system placed between the lockring and the dome on each module.

Facilement et rapidement COMPOSABLE SANS OUTILS: on positionne le circuit imprimé vertical dans la fente appropriée en poussant vers le bas et on tourne le collier jusqu'au blocage total. Les éléments sont équipés d'un système anti-dévissage d'encliquetage entre collier et dôme sur chaque élément.

Einfache und schnelle MONTAGE OHNE WERKZEUG: Es genügt, die senkrechte Platine auf den dazu bestimmten Einschub zu positionieren, nach unten zu schieben und die Nutmutter bis zum kompletten Verschluß zu drehen. Die Elemente sind mit einem Kupplungszahnsystem zwischen Nutmutter und Haube jedes Elementes versehen.

Fácil y velozmente COMBINABLE SIN EMPLEO DE UTENSILIOS: se posiciona la tarjeta de conexión vertical en la expresa aspillera empujando hacia abajo, tras se rueda la virola roscada hasta el bloqueo total. Los elementos están provistos de un sistema de dientes de enganche entre la virola roscada y la cúpula en cada módulo para garantizar el antidesatorillamiento.




IP 65

CE

Costruite con materiali di qualità elevata, sono dotate di guarnizioni e OR per una TOTALE RESISTENZA AGLI AGENTI ATMOSFERICI. Facile manutenzione.

They have been made with high quality material and are supplied with gaskets and "O" Rings ensuring ABSOLUTE RESISTANCE AGAINST ATMOSPHERIC AGENTS. Easy maintenance.

Fabriquées avec des matériaux de haute qualité, sont équipées de joints et O ring, pour garantir une RESISTANCE TOTALE AUX AGENTS ATMOSPHERIQUES. Entretien facile.

Diese sind mit hochwertigen Materialien hergestellt und sind mit Dichtungen für eine VOLLE WITTERUNGSBESTÄNDIGKEIT versehen. Einfache Wartung.

Construidas con materiales de calidad elevada, están provistas de juntas y OR para una RESISTENCIA TOTAL A LOS AGENTES ATMOSFÉRICOS. Facil manutención.

Il montaggio dei moduli TWS e MINI TWS risulta essere molto semplice: il collegamento elettrico tra i moduli è automatico e contemporaneo all'inserimento meccanico. Per la costruzione di una colonna è indispensabile l'utilizzo del modulo di base (TWS B.C. e MINI TWS B.C.) che permetterà di realizzare i collegamenti elettrici. Su questo verranno inseriti i vari moduli di seguito descritti.

Assembly of the TWS and MINI TWS modules is simple: electrical connection between the modules is automatic and simultaneous on assembling the modules. It is necessary to use the base (TWS B.C. and MINI TWS B.C.) to assemble a column that allows the electrical connection. The various modules, as described in this catalogue, can then be added.

L'assemblage des éléments TWS et MINI TWS est très simple: le raccordement électrique entre les éléments est automatique et le montage mécanique se fait simultanément. Il est indispensable d'utiliser l'élément de base (TWS B.C. et MINI TWS B.C.) pour l'assemblage d'une colonne, celui-ci permettant de réaliser les raccordements électriques. Sur cet élément d'autres éléments peuvent être montés, comme décrit ci-dessous.

Der Zusammenbau der TWS und MINI TWS Elemente ist sehr einfach: Die elektrische Verbindung der Elemente erfolgt automatisch und ist gleichzeitig auch mechanische Verbindung. Für die Montage einer Signalsäule ist das Anschlußelement (TWS B.C. und MINI TWS B.C.) unbedingt erforderlich, um die elektrische Verbindung zu realisieren. Auf dieses Element werden folgende Signalelemente aufeinandergesetzt.

El acoplamiento de los elementos TWS y MINI TWS resulta ser muy simple: la conexión eléctrica entre los módulos se lleva a cabo automáticamente y contemporáneamente al ensamblaje mecánico. La construcción de una columna requiere el empleo del módulo de base (TWS B.C. y MINI TWS B.C.), que permite realizar las conexiones eléctricas. Por encima de éste se insertarán los varios módulos listados a continuación.

TOWER SECTOR: BABY TWS - MICRO TWS - NANO TWS

Nuova gamma di colonne di diametro ridotto con moduli indipendenti e componibili realizzati solo in versione a LED INTEGRATI 24V dc/ac luce fissa.

New range of columns with reduced diameter and separate stackable modules. LED INTEGRATED 24V dc/ac continuous light version only.

Nouvelle gamme de colonnes de diamètre réduit avec éléments indépendants et à composer réalisés uniquement en version à LED'S INTEGREES 24V dc/ac à lumière fixe.

Neue Linie von Signalsäulen kleineres Durchmessers mit unabhängigen kombinierbaren Elementen. Diese sind nur in LED INTEGRIERTER Ausführung, 24V dc/ac - Dauerlicht realisiert.

Nueva serie de columnas de señalización de diámetro compacto compuesta por elementos independientes y componibles, disponibles únicamente en versión de LED'S INTEGRADOS, en 24V dc/ac y de luz fija.



MONTAGGIO MODULI

ASSEMBLY OF THE MODULES - ASSEMBLAGE DES ELEMENTS
MONTAGE DER ELEMENTE - ACOPLAMIENTO DE LOS ELEMENTOS

Gli elementi luminosi delle 3 serie di colonne sono facilissimi da assemblare grazie ad un sistema di innesto a scatto che rende questa operazione rapida e realizzabile senza l'impiego di attrezzi.

Assembly of the luminous elements of these 3 ranges is very easy due to the interlocking system that allows quick assembly without the use of tools.

Les éléments lumineux des 3 séries de colonnes sont très facile à assembler grâce à un système à encastrement qui permet un assemblage rapide et réalisable sans l'emploi d'outils.

Die Lichtelemente dieser 3 Signalsäulen-Linien sind dank dem Zusammensteckenssystem einfach zu montieren. Dieses System ermöglicht eine schnelle Montage ohne Werkzeug.

Los módulos luminosos pertenecientes a las 3 series de columnas son muy fáciles de ensamblar gracias a un sistema de acoplamiento de presión el cual permite realizar dicha operación de forma rápida y sin necesidad de herramientas.

MODULI LUMINOSI

LUMINOUS MODULES - ELEMENTS LUMINEUX
LICHTELEMENTE - ELEMENTOS LUMINOSOS



LD BABY TWS F



LD MICRO TWS F



LD NANO TWS F

BASI DI CABLAGGIO

WIRING BASES / BASES DE CABLAGE

VERDRAHTUNGSSOCKEL / BASES DE CONEXIONADO

Ogni colonnina necessita di una base di cablaggio che viene fornita completa di un piede di fissaggio ed un cappello di chiusura. Dati i diametri delle 3 nuove serie di colonne, non è possibile effettuare il cablaggio su una morsettiera. Le basi vengono così fornite:

To assemble each column it is necessary to have a wiring base that is supplied complete with a fixing foot and locking cover. Due to the small diameter of these 3 new ranges it is not possible to make the wiring on a terminal block. The bases are therefore supplied as follows:

Chaque colonne nécessite d'une base de câblage qui est fournie complète d'un socle de fixation et un couvercle de fermeture. En vue des diamètres des 3 nouvelles séries de colonnes, il n'est pas possible d'effectuer le câblage sur un bornier. Les bases sont fournies comme il suit:

Jede Signalsäule braucht einen Verdrahtungssockel, den komplett mit Befestigungsfuß und Deckel geliefert wird. An- gesichts der Durchmesser der 3 neuen Signalsäulenlinien, ist es nicht möglich, die Verkabelung durch eine Klemmleiste durchzuführen. Die Verdrahtungssockel werden wie folgt geliefert:

Cada columna necesita de una base de conexiónado la cual se suministra completa con soporte de montaje y tapa de cierre. Debido a los diámetros de las 3 nuevas series de columnas no es posible realizar el conexiónado eléctrico en una regleta de bornes interna, por lo que las bases de conexiónado se suministran de la siguiente manera:

BABY TWS B.C.

Base di cablaggio con 7 cavi in uscita che gestisce fino a 6 moduli
Wiring base with 7 cables output; up to 6 modules can be operated
Base de câblage avec 7 câbles en sortie; elle commande jusqu'à 6 éléments
Verdrahtungssockel mit 7 Ausgangsdrähten, der bis zu 6 Elementen steuert
Base de conexiónado con 7 cables; gestión de hasta 6 elementos



MICRO TWS B.C.

Base di cablaggio con 7 cavi in uscita che gestisce fino a 6 moduli
Wiring base with 7 cables output; up to 6 modules can be operated
Base de câblage avec 7 câbles en sortie; elle commande jusqu'à 6 éléments
Verdrahtungssockel mit 7 Ausgangsdrähten, der bis zu 6 Elementen steuert
Base de conexiónado con 7 cables; gestión de hasta 6 elementos



NANO TWS B.C.

Base di cablaggio con 6 cavi in uscita che gestisce fino a 5 moduli
Wiring base with 6 cables output; up to 5 modules can be operated
Base de câblage avec 6 câbles en sortie; elle commande jusqu'à 5 éléments
Verdrahtungssockel mit 6 Ausgangsdrähten, der bis zu 5 Elementen steuert
Base de conexiónado con 6 cables; gestión de hasta 5 elementos



MODULI ACUSTICI

ACOUSTIC MODULES / ELEMENTS ACOUSTIQUES
AKUSTISCHE ELEMENTE / ELEMENTOS ACÚSTICOS

Le colonne BABY TWS (36 mm) e MICRO TWS (25 mm) sono disponibili con un elemento acustico (24Vac/dc) piezoelettrico con tonalità intermittente:

Columns BABY TWS (36 mm) and MICRO TWS (25 mm) are available with one piezoelectric acoustic module (24Vac/dc) with intermittent tone:

Les colonnes BABY TWS (36 mm) et MICRO TWS (25 mm) sont disponibles avec un élément acoustique (24Vac/dc) piézo-électrique avec son intermittent:

Die Signalsäulen BABY TWS (36 mm) und MICRO TWS (25 mm) sind auch mit akustischem piezoelektrischem Element (24Vac/dc) – unterbrochene Tonfolge – lieferbar:

Para columnas BABY TWS (36 mm) y MICRO TWS (25 mm) están disponibles elementos acústicos (24Vac/dc) piezoeléctricos de tono intermitente:



BABY TWS A

72 dB (A)



MICRO TWS A

65 dB (A)



TOWER SECTOR: TWS - MINI TWS - BABY TWS - MICRO TWS - NANO TWS

IEC 73

COLORI DEGLI INDICATORI LUMINOSI

COLOURS OF THE LUMINOUS MODULES

COULEURS DES INDICATEURS LUMINEUX

FARBEN DER OPTISCHEN ANZEIGE

COLORES DE LOS INDICADORES LUMINOSOS

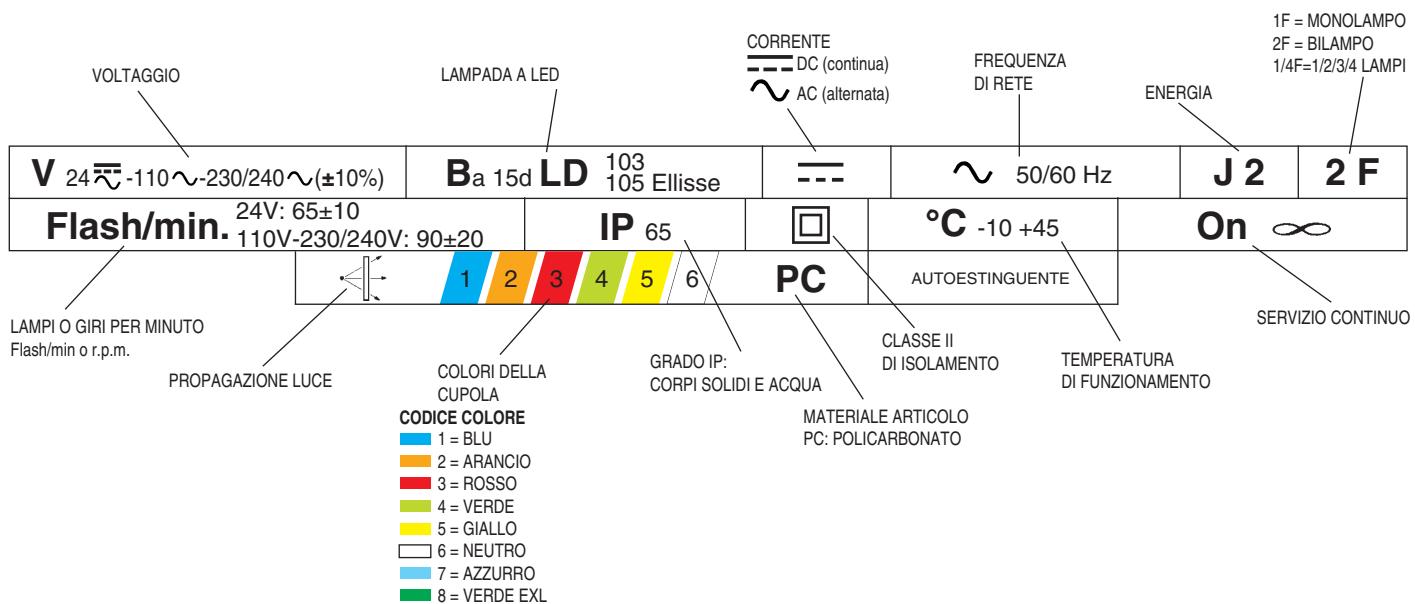
	GRAVE PERICOLO AGIRE CON URGENZA SERIOUS DANGER ACT NOW GRAVE DANGER AGIR AVEC URGENCE SCHWERE GEFAHR GRAVE PELIGRO ACTUAR CON URGENCIA
	ATTENZIONE AGIRE CON PRUDENZA WARNING PROCEED WITH CARE ATTENTION AGIR AVEC PRECAUTION ACHTUNG ATENCIÓN ACTUAR CON PRUDENCIA
	CONDIZIONE DI SICUREZZA AUTORIZZAZIONE A PROCEDERE SAFE CONDITION GO AHEAD CONDITION DE SECURITE AUTORISATION DE MISE EN MARCHE NORMALER ZUSTAND FORTSCHREITEN CONDICIÓN DE SEGURIDAD AUTORIZACIÓN PARA PROCEDER
	SIGNIFICATO SPECIFICO ATTRIBUITO SECONDO LE NECESSITÀ DEL CASO SPECIFIC MEANING GIVEN DEPENDING ON THE SITUATION SIGNIFICATION SPECIFIQUE SELON LES CAS ZUSTAND, DER EINE DEFINIERTE HANDLUNG ERFORDERT SIGNIFICADO ESPECIFICO ATRIBUIDO SEGÚN LA NECESIDAD DEL CASO
	NESSUN SIGNIFICATO SPECIFICO NO SPECIFIC MEANING PAS DE SIGNIFICATION SPECIFIQUE KEINE BESONDERE BEDEUTUNG NINGÚN SIGNIFICADO ESPECÍFICO



LEGENDA

TOWER SECTOR: PRINCIPALI CARATTERISTICHE TECNICHE E FUNZIONALI DEI PRODOTTI

MODULI LUMINOSI

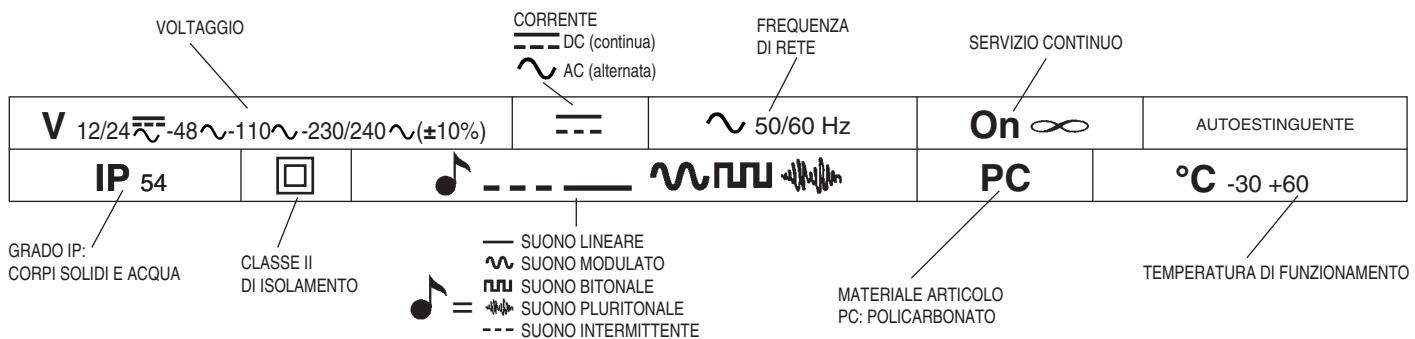


INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

CODIFICA: es. TWSLMT1248D1 →	
D	= corrente continua
A	= corrente alternata
DA	= corrente continua e alternata
1F	= monolampo
2F	= bilampo
1/4F	= 1/2/3/4 Lampi
L	= luce lampeggiante
F	= luce fissa
X	= luce xeno
LD	= LED integrati
L MT	= Luce lampeggiante multitensione fornita senza lampada 12-48 V DC 24-240 V AC
F MT	= Luce fissa multitensione fornita senza lampada 12-240 V DC/AC
N	= Nero

TIPO DI SORGENTE LUMINOSA:	VOLTAGGIO CORRENTE CONTINUA	VOLTAGGIO CORRENTE ALTERNATA
LAMPADA A FILAMENTO	V ---	12 ÷ 24 ÷ 48
LAMPADA ALOGENA	V \sim	-
TUBO A SCARICA ALLO XENO 2J	mA	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240
BA 15d 5W LR BA 15d 5W	Cd (p)	430 210 103 37 26 27
TUBO A SCARICA ALLO XENO 3-9J	Cd (p)	4 3 3 2,5 2,5 2,5
		CANDELE DI PICCO
		ASSORBIMENTO DI CORRENTE
	A=Ampere	
	1mA=0,001A	

MODULI ACUSTICI



INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

CODIFICA: es. **TWSAM230240A**

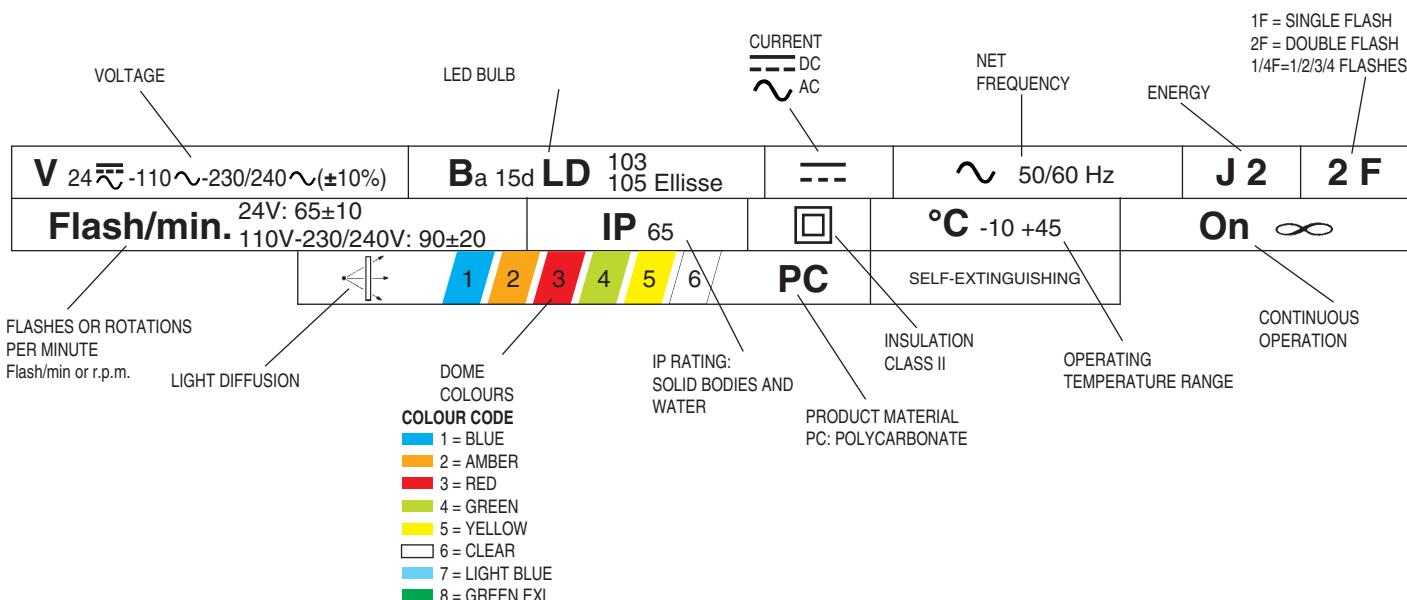
VOLTAGGIO CORRENTE ALTERNATA	V ---	12 ÷ 24 ÷ 48	-	-	-
	V ~		110 ÷ 230 ÷ 240		
ASSORBIMENTO DI CORRENTE	mA	2,7	6	13	4 8 8,5
Ampere 1mA=0,001A	Hz	2500	(± 100 Hz)		
			FREQUENZA DI SUONO IN HERTZ		



LEGEND

TOWER SECTOR: MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS

LUMINOUS MODULES



TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

CODIFICATION: ex. TWSLMT1248D1 → ■

D = direct current
A = alternating current
DA = direct and
 alternating current
1F = single flash
2F = double flash
1/4F = 1/2/3/4 flashes

L = flashing light
F = continuous light
X = xenon flashing light

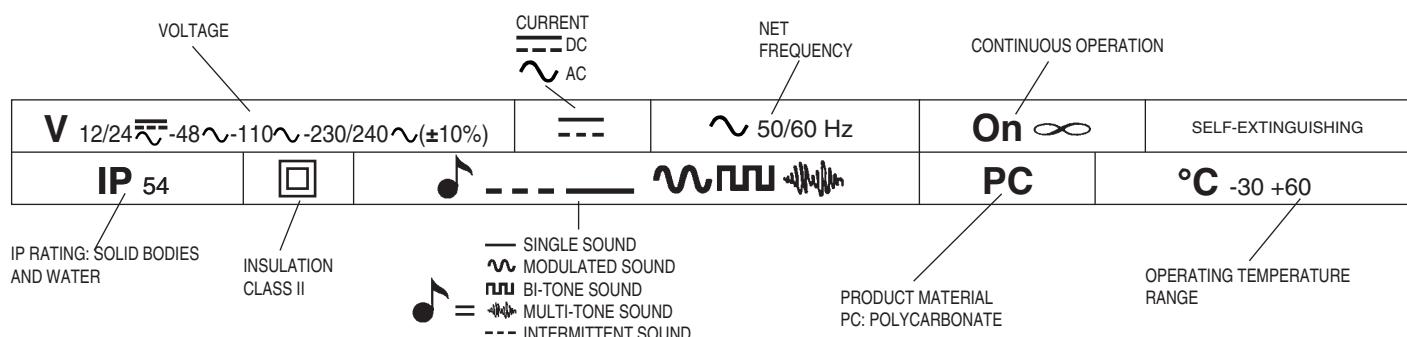
LD = integrated LEDs

L MT= multi voltage
flashing beacon
supplied without bulb
12-48 V DC
24-240 V AC

F MT= multi voltage
continuous light
beacon
supplied without bulb
12-240 V DC/AC

TYPE OF LUMINOUS SOURCE	DIRECT CURRENT VOLTAGE				ALTERNATING CURRENT VOLTAGE		
	V ---	12 ÷ 24 ÷ 48	-	-	-	-	-
FILAMENT BULB	V ---	12 ÷ 24 ÷ 48	-	-	-	-	-
HALOGEN BULB	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240	-	-	-	-
XENON TUBE 2J	mA	430	210	103	37	26	27
XENON TUBE 3-9J	Cd (p)	4	3	3	2,5	2,5	2,5
					PEAK CANDELAS		
					CURRENT CONSUMPTION		
					A=Ampere		
					1mA=0,001A		

ACOUSTIC MODULES



TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

CODIFICATION: ex. TWSAM230240A

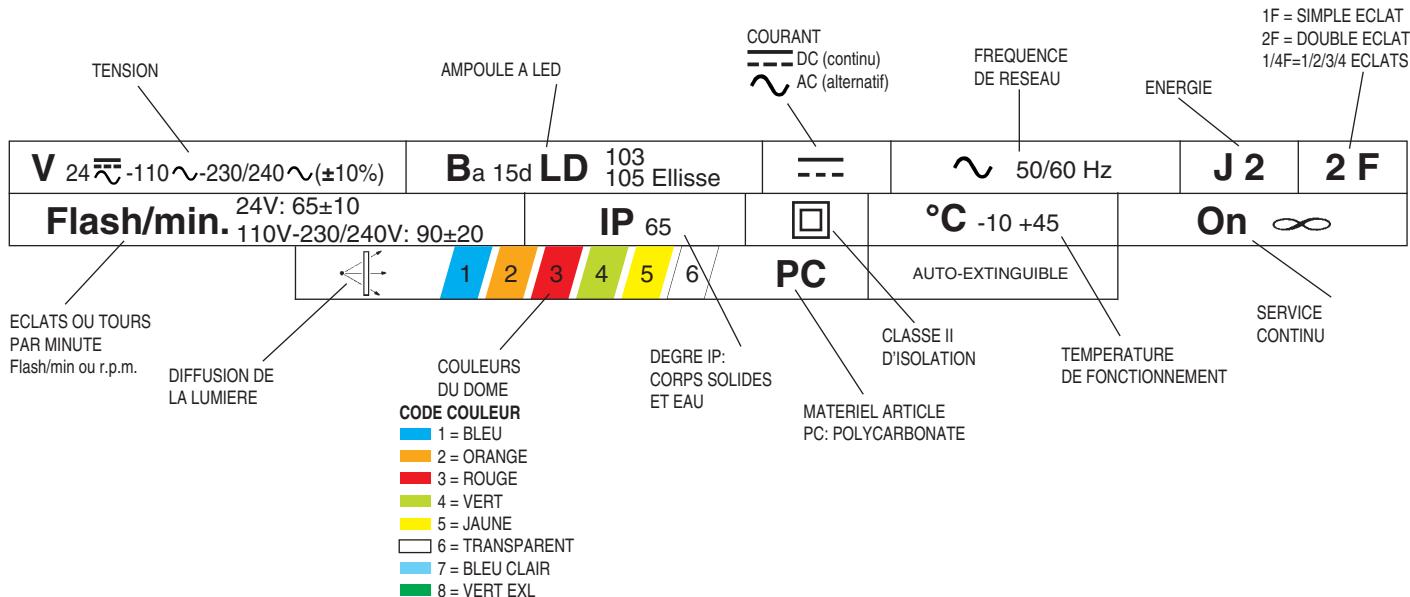
D = direct current
A = alternating current
DA = direct and alternating current

ALTERNATING CURRENT VOLTAGE	V	---	12 ÷ 24 ÷ 48	-	-	-
	V	~		110 ÷ 230 ÷ 240		
CURRENT CONSUMPTION	mA	2,7	6	13	4	8
Ampere 1mA=0.001A					8,5	
	Hz	2500	(± 100 Hz)			
				SOUND FREQUENCY IN HERTZ		

LEGENDE

TOWER SECTOR: PRINCIPALES CARACTÉRISTIQUES TECHNIQUES ET FONCTIONNELLES DES PRODUITS

ELEMENTS LUMINEUX



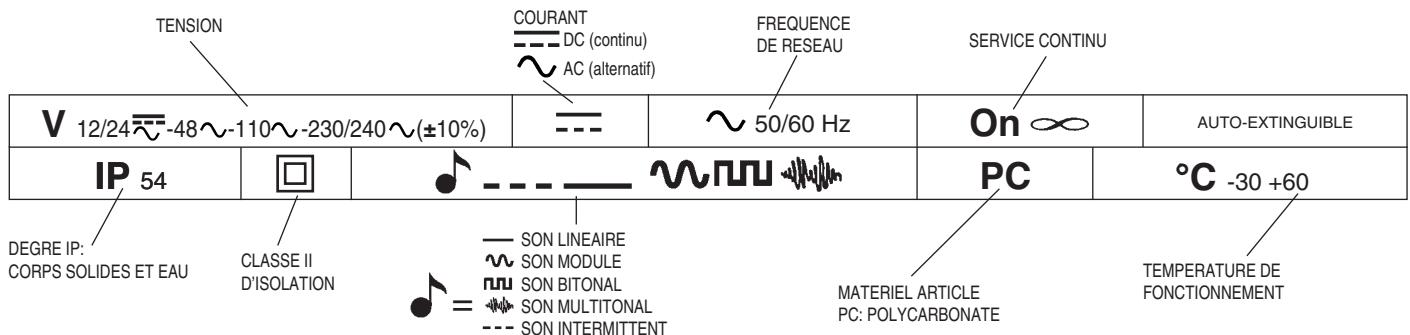
INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

CODIFICATION: ex. **TWSLMT1248D1** →

L	= courant continu	L MT = Feu clignotant multitension fourni sans ampoule
A	= courant alternatif	
DA	= courant continu et alternatif	12-48 V DC 24-240 V AC
1F	= simple éclat	
2F	= double éclat	
1/4F	= 1/2/3/4 éclats	
L	= lumière clignotante	F MT = Feu à lumière fixe multitension fourni sans ampoule
F	= lumière fixe	12-240 V DC/AC
X	= lumière à éclats	
LD	= LED intégrées	N = noir

TYPE DE SOURCE LUMINEUSE	TENSION COURANT CONTINU			TENSION COURANT ALTERNATIF		
	V ---	12 ÷ 24 ÷ 48	-	-	-	-
AMPOULE A FILAMENT	V ---	12 ÷ 24 ÷ 48	-	-	-	-
AMPOULE HALOGENE	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240			
TUBE AU XENON 2J	mA	430	210	103	37	26
TUBE AU XENON 3-9J	Cd (p)	4	3	3	2,5	2,5
					CANDELAS DE PIC	
					CONSUMMATION DE COURANT	
					A=Ampere	
					1mA=0,001A	

ELEMENTS ACOUSTIQUES



INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

CODIFICATION: ex. TWSAM230240A

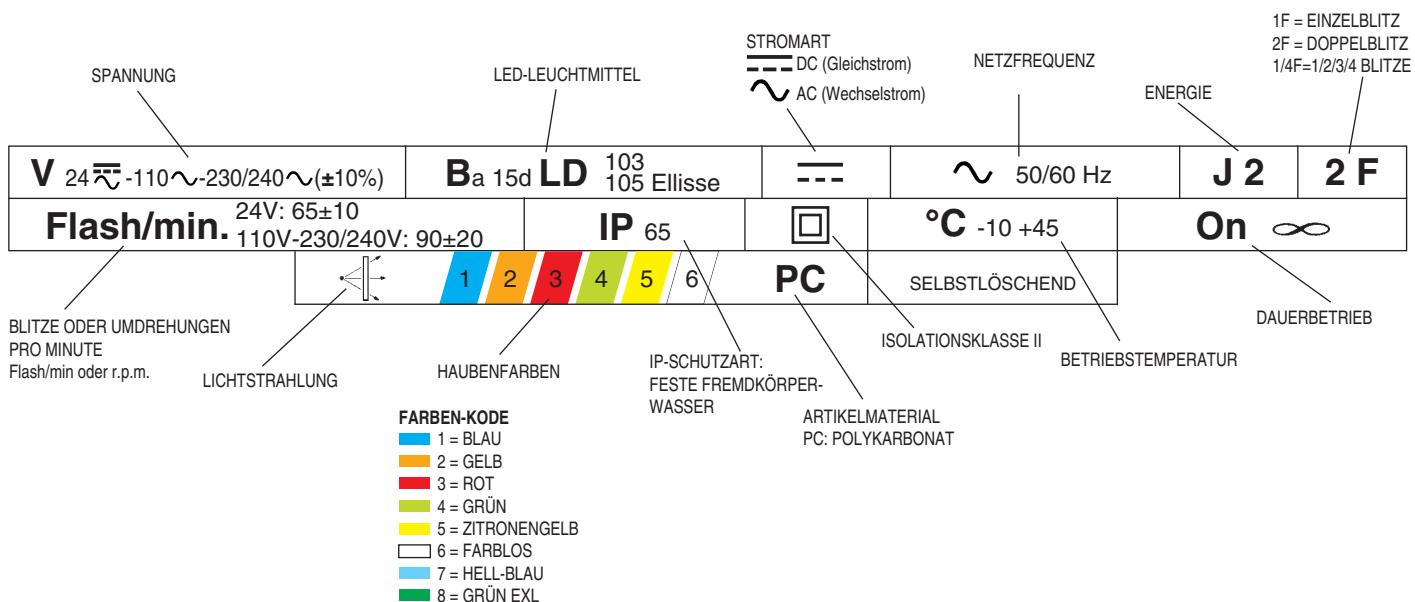
- D** = courant continu
- A** = courant alternatif
- DA** = courant continu et alternatif

TENSION COURANT ALTERNATIF	V ---	12 ÷ 24 ÷ 48	-	-	-
CONSOMMATION DE COURANT	V ~	110 ÷ 230 ÷ 240			
Ampere	mA	2,7	6	13	4
1mA=0,001A	Hz	2500			(± 100 Hz)
		FREQUENCE DU SON EN HERTZ			

LEGENDE

TOWER SECTOR: TECHNISCHE UND FUNKTIONELLE HAUPTMERKMALE DER PRODUKTE

LICHTELEMENTE



TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMÄLLE

CODIERUNG: Beispiel TWSLMT1248D1 → ■■■

- D** = Gleichstrom
- A** = Wechselstrom
- DA** = Gleichstrom und Wechselstrom
- 1F** = Einzelblitz
- 2F** = Doppelblitz
- 1/4F** = 1/2/3/4 Blitze

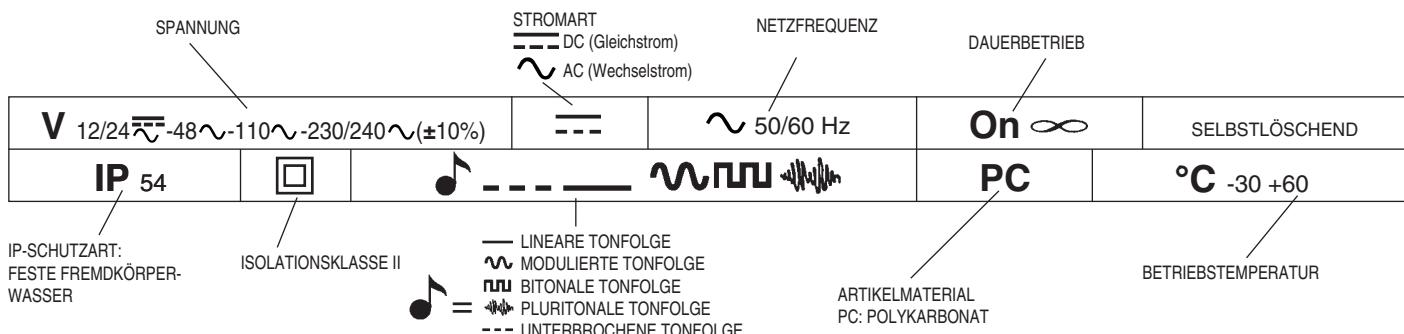
- L** = Blinklicht
- F** = Dauerlicht
- X** = Blitzlicht

- LP** = integrierte LED

L MT = Multispansnung
Blinkleuchte ohne
Leuchtmittel geliefert
12÷48 V DC
24÷240 V AC

F MT = Multispansnung
Dauerleuchte
ohne Leuchtmittel
geliefert
12÷240 V DC/AC

AKUSTISCHE ELEMENTE



TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMÄLLE

CODIERUNG: Beispiel TWSAM230240A

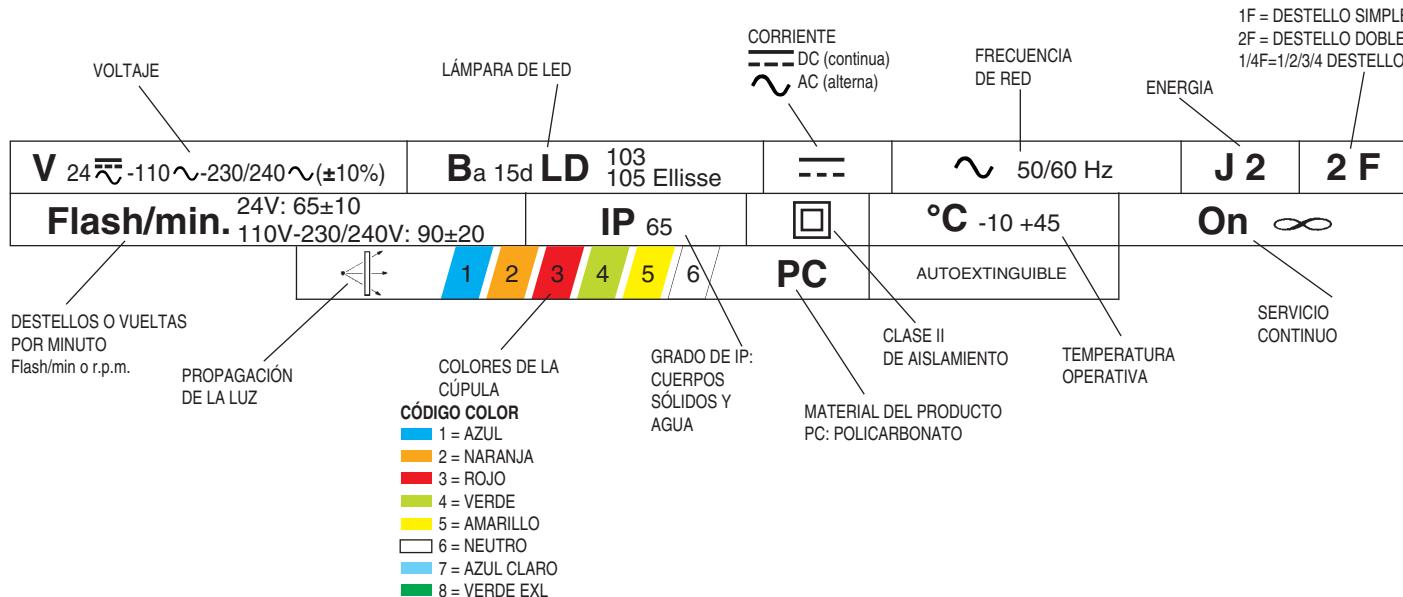
D = Gleichstrom
A = Wechselstrom
DA = Gleichstrom
 und Wechselstrom

SPANNUNG WECHSELSTROM	V ---	12 ÷ 24 ÷ 48			-	-	-
STROMVERBRAUCH A=Ampere 1mA=0,001A	V ~				110 ÷ 230 ÷ 240		
	mA	2,7	6	13	4	8	8,5
	Hz	2500			(± 100 Hz)		

LEYENDA

TOWER SECTOR: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

MÓDULOS LUMINOSOS

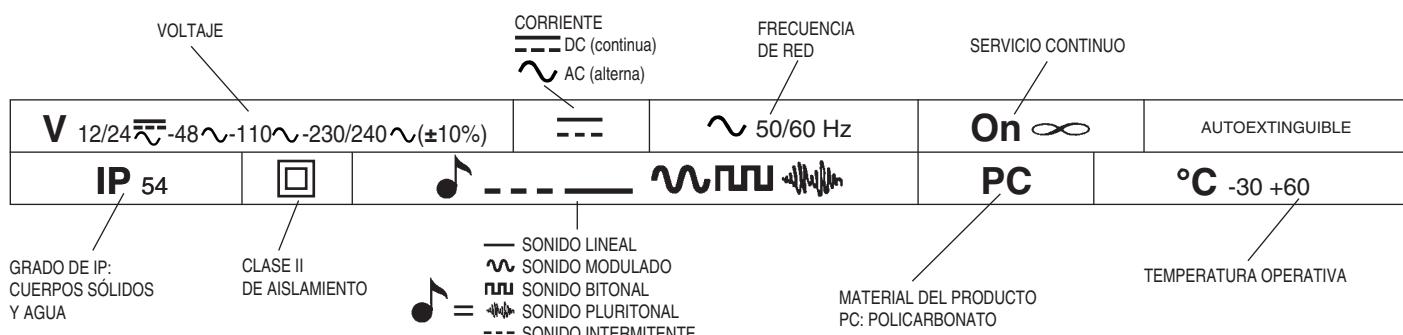


INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

CODIFICACIÓN: ej. TWSLMT1248D1 →	
D	= corriente continua
A	= corriente alterna
DA	= corriente continua y alterna
1F	= destello simple
2F	= destello doble
1/4F	= 1/2/3/4 destellos
L	= luz intermitente
F	= luz fija
X	= luz de xenón
LD	= LED's integrados
N	= negro

TIPO DE FUENTE LUMINOSA	VOLTAJE CORRIENTE CONTINUA		VOLTAJE CORRIENTE ALTERNA	
	V ---	12 ÷ 24 ÷ 48	-	-
LÁMPARA INCANDESCENTE	V ~	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240	
LÁMPARA HALÓGENA	mA	430	210	103 37 26 27
TUBO DE DESCARGA DE XENÓN 2J	Cd (p)	4	3	3 2,5 2,5 2,5
TUBO DE DESCARGA DE XENÓN 3-9J				
				CANDELAS/PICO
				CONSUMO DE CORRIENTE A=Ampere 1mA=0,001A

MÓDULOS ACÚSTICOS



INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

CODIFICACIÓN: ej. TWSAM230240A	
D	= corriente continua
A	= corriente alterna
DA	= corriente continua y alterna

VOLTAJE CORRIENTE ALTERNA	VOLTAJE CORRIENTE CONTINUA				
	V ---	12 ÷ 24 ÷ 48	-	-	-
V ~	110 ÷ 230 ÷ 240				
mA	2,7	6	13	4	8
Hz	2500	(± 100 Hz)			
					FRECUENCIA SONIDO EN HERTZIO
CONSUMO DE CORRIENTE A=Ampere 1mA=0,001A					

UL LISTED TO U.S. AND CANADIAN SAFETY STANDARDS



**LISTED 85DA
IND. CONT. EQ.**

TYPE 1 ENCLOSURE

Model	Electrical Rating	Maximum ambient temperature allowed
TWS B.C.	Max 240V dc/ac	60° C
TWS F	12V dc/ac 24V dc/ac 48V dc/ac 110, 230, 240V dc/ac	59° C 60° C 57° C 60° C
TWS L	12÷48V dc 24÷48V ac 110, 230, 240V ac	60° C 60° C 54° C
TWS X	24V dc/ac 110, 230, 240V ac	41° C 43° C
LD 125 TWS F/L	24V dc/ac 48V dc/ac 110, 240V ac	60° C 60° C 60° C
TWS A	12÷48V dc 110, 230, 240V ac	60° C 56° C
TWS AM	12/24V dc/ac 48V ac 110, 230/240V ac	60° C 55° C 50° C

V MAX 240	IP 65	PC	°C -30 +60	AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE
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TWS B.C.

BASE DI CABLAGGIO + CAPPELLO

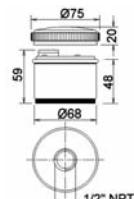
WIRING BASE + COVER

BASE DE CABLAGE + COUVERCLE

VERDRAHTUNGSSOCKEL + DECKEL

BASE DE CABLEADO + TAPA

■ TWSBC	27700
■ NTWSBC	27690



Kg. 0,12

Attenzione: indispensabile nella composizione della colonna

Attention: to assemble the tower this item is essential

Attention: indispensable dans le montage de la colonne

Hinweis: für die Montage einer Signalsäule unbedingt erforderlich

Atención: indispensable en la composición de la columna

V 12÷240 ~V ($\pm 10\%$)	Ba15d LD 4.5.4 WO 103	---	~V 50/60 Hz	IP 65
<input type="checkbox"/> $^{\circ}\text{C}$ -30 +60	On ∞		1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

FORNITO SENZA LAMPADA

SUPPLIED WITHOUT BULB - FOURNI SANS AMPOULE - LIEFERUNG OHNE LEUCHTMITTEL - SUMINISTRADO SIN LÁMPARA

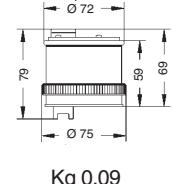


TWS F MT
MODULO LUMINOSO
LUCE FISSA

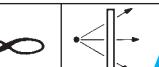
CONTINUOUS
LIGHT MODULE
ELEMENT LUMINEUX
LUMIERE FIXE
DAUERLICHTELEMENT
MÓDULO LUMINOSO
LUZ FIJA

	V ~V	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240
	mA	430 210 100 35 21 22
	Cd (p)	4 3 3 2,5 2,5 2,5

<input type="checkbox"/> TWSFMT12240DA1	27701	<input checked="" type="checkbox"/> NTWSFMT12240DA1	27631
<input type="checkbox"/> TWSFMT12240DA2	27702	<input checked="" type="checkbox"/> NTWSFMT12240DA2	27632
<input type="checkbox"/> TWSFMT12240DA3	27703	<input checked="" type="checkbox"/> NTWSFMT12240DA3	27633
<input type="checkbox"/> TWSFMT12240DA4	27704	<input checked="" type="checkbox"/> NTWSFMT12240DA4	27634
<input type="checkbox"/> TWSFMT12240DA5	27705	<input checked="" type="checkbox"/> NTWSFMT12240DA5	27635
<input type="checkbox"/> TWSFMT12240DA6	27706	<input checked="" type="checkbox"/> NTWSFMT12240DA6	27636



Kg 0,09

V 12÷48 --- 24÷240 ~V ($\pm 10\%$)	Ba15d LD 4.5.4 WO 103	---	~V 50/60 Hz	Flash/min. 110±20
IP 65	<input type="checkbox"/> $^{\circ}\text{C}$ -30 +60	On ∞		PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

FORNITO SENZA LAMPADA

SUPPLIED WITHOUT BULB - FOURNI SANS AMPOULE - LIEFERUNG OHNE LEUCHTMITTEL - SUMINISTRADO SIN LÁMPARA

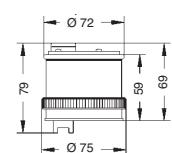


TWS L MT
MODULO LUMINOSO
LUCE LAMPEGGIANTE

FLASHING
LUMINOUS MODULE
ELEMENT LUMINEUX
CLIGNOTANT
BLINKLICHTELEMENT
MÓDULO LUMINOSO
LUZ INTERMITENTE

	V ---	12 ÷ 24 ÷ 48	-	-	-
	V ~V	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240		
	mA	430	210	103	37
	Cd (p)	4	3	3	2,5

<input type="checkbox"/> TWSLMT1248D1	27711	TWSLMT24240A1	27721	<input checked="" type="checkbox"/> NTWSLMT1248D1	27641	NTWSLMT24240A1	27651
<input type="checkbox"/> TWSLMT1248D2	27712	TWSLMT24240A2	27722	<input checked="" type="checkbox"/> NTWSLMT1248D2	27642	NTWSLMT24240A2	27652
<input type="checkbox"/> TWSLMT1248D3	27713	TWSLMT24240A3	27723	<input checked="" type="checkbox"/> NTWSLMT1248D3	27643	NTWSLMT24240A3	27653
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<input type="checkbox"/> TWSLMT1248D5	27715	TWSLMT24240A5	27725	<input checked="" type="checkbox"/> NTWSLMT1248D5	27645	NTWSLMT24240A5	27655
<input type="checkbox"/> TWSLMT1248D6	27716	TWSLMT24240A6	27726	<input checked="" type="checkbox"/> NTWSLMT1248D6	27646	NTWSLMT24240A6	27656



Kg 0,10



TOWER SECTOR TWS

V 24~ -110~ 230/240~ ($\pm 10\%$)	---	~ 50/60 Hz	J2	1F	24V: 65±10 Flash/min. 110V-230/240V: 90±20
IP 65	□	°C -10 +45	On ∞	1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

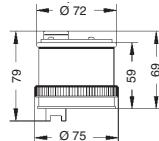
TWS X



MODULO LUMINOSO A FLASH

XENON
FLASHING MODULE
ELEMENT LUMINEUX
AU XENON
BLITZLICHTELEMENT
MÓDULO LUMINOSO
LUZ DESTELLANTE

	V ---	24	-	-	-
	V ~	110	230 / 240		
	mA	280	48	48	55
XENON 2J LRX 2J	Cd (p)	200	80	200	240



Kg. 0.13

■ TWSX24DA1 27731 TWSX110A1 27741 TWSX230240A1 27751	■ NTWSX24DA1 27661 NTWSX110A1 27671 NTWSX230240A1 27681
TWSX24DA2 27732 TWSX110A2 27742 TWSX230240A2 27752	NTWSX24DA2 27662 NTWSX110A2 27672 NTWSX230240A2 27682
TWSX24DA3 27733 TWSX110A3 27743 TWSX230240A3 27753	NTWSX24DA3 27663 NTWSX110A3 27673 NTWSX230240A3 27683
TWSX24DA4 27734 TWSX110A4 27744 TWSX230240A4 27754	NTWSX24DA4 27664 NTWSX110A4 27674 NTWSX230240A4 27684
TWSX24DA5 27735 TWSX110A5 27745 TWSX230240A5 27755	NTWSX24DA5 27665 NTWSX110A5 27675 NTWSX230240A5 27685
TWSX24DA6 27736 TWSX110A6 27746 TWSX230240A6 27756	NTWSX24DA6 27666 NTWSX110A6 27676 NTWSX230240A6 27686

V 12÷48~ -110÷240~ ($\pm 10\%$)	---	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 54	□	PC



MODULO ACUSTICO PIEZO ELETTRICO 6 SUONI SELEZIONABILI DA DIP SWITCH

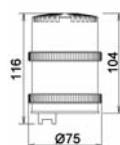
PIEZOELECTRIC ACOUSTIC MODULE
6 SOUNDS CAN BE
SELECTED BY MEANS OF THE DIP SWITCH

ELEMENT ACOUSTIQUE
PIEZO-ELECTRIQUE
6 SONS A SELECTIONNER
PAR DIP SWITCH

AKUSTISCHES PIEZOELEKTRISCHES
ELEMENT
6 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR
DURCH DIP-SWITCH

MÓDULO ACÚSTICO PIEZOELÉCTRICO
6 TONOS SELECCIONABLES
POR DIP SWITCH

V ---	12 ÷ 24 ÷ 48			-	-	-
V ~				110 ÷ 230 ÷ 240		
mA	2.7	6	13	4	8	8.5
Hz	2500			(± 100 Hz)		



Kg 0.13

■ TWSAMT1248DAIP54 27718	■ NTWSAMT1248DAIP54 27625
TWSAMT110240AIP54 27719	NTWSAMT110240AIP54 27628

DIP SWITCH

on 1 2 3	SUONO INTERMITTENTE LENTO POTENZA RIDOTTA SLOW INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT LENT PUISANCE REDUITE / LANGSAM AUSSSETZENDE TONFOLGE REDUZIERTE LEISTUNG / SONIDO INTERMITENTE LENTO POTENCIA REDUCIDA	T ON 310 mS T OFF 260 mS	V --- 12 24 48 - - -
on 1 2 3	SUONO INTERMITTENTE LENTO MASSIMA POTENZA SLOW INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT LENT PUISANCE MAXIMALE / LANGSAM AUSSSETZENDE TONFOLGE HOCHSTE LEISTUNG / SONIDO INTERMITENTE LENTO POTENCIA MAXIMA	T ON 310 mS T OFF 260 mS	V --- 12 24 48 - - -
on 1 2 3	SUONO INTERMITTENTE VELOCE POTENZA RIDOTTA FAST INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT RAPIDE PUISANCE REDUITE / SCHNELL AUSSSETZENDE TONFOLGE REDUZIERTE LEISTUNG / SONIDO INTERMITENTE RÁPIDO POTENCIA REDUCIDA	T ON 70 mS T OFF 50 mS	V --- 12 24 48 - - -

on 1 2 3	SUONO INTERMITTENTE VELOCE MASSIMA POTENZA FAST INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT RAPIDE PUISANCE MAXIMALE / SCHNELL AUSSSETZENDE TONFOLGE HOCHSTE LEISTUNG / SONIDO INTERMITENTE RÁPIDO POTENCIA MAXIMA	T ON 70 mS T OFF 50 mS	V --- 12 24 48 - - -
on 1 2 3	SUONO FISSO POTENZA RIDOTTA CONTINUOUS SOUND REDUCED OUTPUT / SON CONTINU PUISANCE REDUITE / DAUER-TONFOLGE REDUZIERTE LEISTUNG / SONIDO FIJO POTENCIA REDUCIDA	-	V --- 12 24 48 - - -
on 1 2 3	SUONO FISSO MASSIMA POTENZA CONTINUOUS SOUND MAXIMUM OUTPUT / SON CONTINU PUISANCE MAXIMALE / DAUER-TONFOLGE HOCHSTE LEISTUNG / SONIDO FIJO POTENCIA MAXIMA	-	V --- 12 24 48 - - -
on 1 2 3	SUONO FISSO MASSIMA POTENZA CONTINUOUS SOUND MAXIMUM OUTPUT / SON CONTINU PUISANCE MAXIMALE / DAUER-TONFOLGE HOCHSTE LEISTUNG / SONIDO FIJO POTENCIA MAXIMA	-	V --- 12 24 48 - - -

V 12÷48~ -110÷240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 65		PC $^{\circ}\text{C}$ -30 +60



TWS A IP65

MODULO ACUSTICO PIEZO ELETTRICO 6 SUONI SELEZIONABILI DA DIP SWITCH

PIEZOELECTRIC ACOUSTIC MODULE
6 SOUNDS CAN BE SELECTED BY MEANS
OF THE DIP SWITCH

ELEMENT ACOUSTIQUE
PIEZO-ELECTRIQUE
6 SONS A SELECTIONNER
PAR DIP SWITCH

AKUSTISCHES PIEZOELEKTRISCHES
ELEMENT
6 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR
DURCH DIP-SWITCH

MÓDULO ACÚSTICO PIEZOELÉCTRICO
6 TONOS SELECCIONABLES
POR DIP SWITCH

V \equiv	12	24	48	-	-	-
V \sim	110	230	240			
mA	2,7	6	13	4	8	8,5
Hz	2500		(± 100 Hz)			

TWSAMT1248DAIP65	27728	NTWSAMT1248DAIP65	27626
TWSAMT110240AIP65	27729	NTWSAMT110240AIP65	27629



Kg 0,10

DIP SWITCH

	SUONO INTERMITTENTE LENTO POTENZA RIDOTTA SLOW INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT LENT PUISANCE REDUITE / LANGSAM AUSSETZENDE TONFOLGE REDUZIERTE LEISTUNG / SONIDO INTERMITENTE LENTO POTENCIA REDUCIDA	T ON 310 mS T OFF 260 mS	V \equiv 12 24 48 - - - V \sim 12 24 48 110 230 240 dB(A)1m 64 69 71 68 70 70		SUONO INTERMITTENTE VELOCE MASSIMA POTENZA FAST INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT RAPIDE PUISANCE MAXIMALE / SCHNELL AUSSETZENDE TONFOLGE HÖCHSTE LEISTUNG / SONIDO INTERMITENTE RÁPIDO POTENCIA MAXIMA	T ON 70 mS T OFF 50 mS	V \equiv 12 24 48 - - - V \sim 12 24 48 110 230 240 dB(A)1m 70 77 79 73 77 77
	SUONO INTERMITTENTE LENTO MASSIMA POTENZA SLOW INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT LENT PUISANCE MAXIMALE / LANGSAM AUSSETZENDE TONFOLGE HÖCHSTE LEISTUNG / SONIDO INTERMITENTE LENTO POTENCIA MAXIMA	T ON 310 mS T OFF 260 mS	V \equiv 12 24 48 - - - V \sim 12 24 48 110 230 240 dB(A)1m 69 76 78 73 77 77		SUONO FISSO POTENZA RIDOTTA CONTINUOUS SOUND REDUCED OUTPUT / SON CONTINU PUISANCE REDUITE / DAUER-TONFOLGE REDUZIERTE LEISTUNG / SONIDO FIJO POTENCIA REDUCIDA	-	V \equiv 12 24 48 - - - V \sim 12 24 48 110 230 240 dB(A)1m 67 73 75 67 72 73
	SUONO INTERMITTENTE VELOCE POTENZA RIDOTTA FAST INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT RAPIDE PUISANCE REDUITE / SCHNELL AUSSETZENDE TONFOLGE REDUZIERTE LEISTUNG / SONIDO INTERMITENTE RÁPIDO POTENCIA REDUCIDA	T ON 70 mS T OFF 50 mS	V \equiv 12 24 48 - - - V \sim 12 24 48 110 230 240 dB(A)1m 66 71 73 68 70 71		SUONO FISSO MASSIMA POTENZA CONTINUOUS SOUND MAXIMUM OUTPUT / SON CONTINU PUISANCE MAXIMALE / DAUER-TONFOLGE HÖCHSTE LEISTUNG / SONIDO FIJO POTENCIA MAXIMA	-	V \equiv 12 24 48 - - - V \sim 12 24 48 110 230 240 dB(A)1m 71 77 81 73 78 79

V 12/24~ -48~ -110~ -230/240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 54		PC $^{\circ}\text{C}$ -30 +60



TWS AM

MODULO ACUSTICO MAGNETODINAMICO 32 SUONI SELEZIONABILI DA DIP SWITCH

MAGNETODYNAMIC ACOUSTIC MODULE
32 SOUNDS CAN BE SELECTED
BY MEANS OF THE DIP SWITCH

ELEMENT ACOUSTIQUE
MAGNETO-DYNAMIQUE
32 SONS A SELECTIONNER
PAR DIP SWITCH

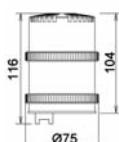
AKUSTISCHES

MAGNETODYNAMISCHE ELEMENT
32 VERSCHIEDENE TONFOLGEN
AUSWÄHLBAR DURCH DIP-SWITCH

MÓDULO ACÚSTICO MAGNETODINÁMICO
32 TONOS SELECCIONABLES
POR DIP SWITCH

V \equiv	12/24	-	-	-	-
V \sim	48	110	230/240		
mA				vedi tabella pag. 186	
Hz				See table - Voir tableau - siehe Tabelle - Ver tabla	

TWSAM1224DA	27790	NTWSAM1224DA	27794
TWSAM48A	27791	NTWSAM48A	27795
TWSAM110A	27792	NTWSAM110A	27796
TWSAM230240A	27793	NTWSAM230240A	27797



Kg 0,24

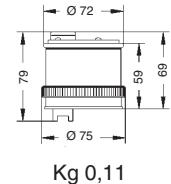


TOWER SECTOR

TWS AM

	Descrizione suono Sound Description / Type de son / Tonfolge / Descripción sonido	dB (A) 12Vdc	Ass. / Consumption Stromaufnahme / Abs. 12Vdc	dB (A) 24Vac	Ass. / Consumption Consummation / Stromaufnahme / Abs. 24Vac	dB (A) 230Vac	Ass. / Consumption Consummation / Stromaufnahme / Abs. 230Vac	Frequenze suono Sound Frequency / Fréquences du son / Ton-Frequenzen / Frecuencias sonido
	LINEARE LINEAR / LINEAIRE / LINEAR / LINEAL	88	120 mA	94	500 mA	94	33 mA	1000 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	90	120 mA	97	480 mA	95	28 mA	600/700 Hz
	PLURITONALE MULTI-TONE / MULTITONAL / PLURITONAL / PLURITONAL	92	140 mA	98	550 mA	96	30 mA	1000÷1700 Hz
	MODULATO MODULATED / MODULE / MODULIERT / MODULADO	94	180 mA	99	630 mA	96	32 mA	1000÷1700 Hz
	EVACUAZIONE EVACUATION / EVACUATION / EVAKUIERUNG / EVACUACIÓN	87	170 mA	94	330 mA	93	32 mA	440/560 Hz
	BITONALE VELOCE FAST BI-TONE / BITONAL RAPIDE / SCHNELL BITONAL / BITONAL RÁPIDO	88	140 mA	94	600 mA	96	30 mA	800/970 Hz
	PLURITONALE VELOCE FAST MULTI-TONE / MULTITONAL RAPIDE / SCHNELL PLURITONAL / PLURITONAL RÁPIDO	89	100 mA	95	440 mA	95	26 mA	800÷970 Hz
	PLURITONALE LENTO SLOW MULTI-TONE / MULTITONAL LENT / LANGSAM PLURITONAL / PLURITONAL LENTO	90	110 mA	95	460 mA	95	26 mA	800÷970 Hz
	LINEARE LINEAR / LINEAIRE / LINEAR / LINEAL	91	290 mA	96	890 mA	97	40 mA	2850 Hz
	PLURITONALE VELOCE FAST MULTI-TONE / MULTITONAL RAPIDE / SCHNELL PLURITONAL / PLURITONAL RÁPIDO	92	250 mA	97	820 mA	99	38 mA	2400÷2850 Hz
	PLURITONALE LENTO SLOW MULTI-TONE / MULTITONAL LENT / LANGSAM PLURITONAL / PLURITONAL LENTO	93	250 mA	99	850 mA	99	38 mA	2400÷2850 Hz
	PLURITONALE INTERMITTENTE INTERMITTENT MULTI-TONE / MULTITONAL INTERMITTENT / AUSSETZEND PLURITONAL / PLURITONAL INTERMITTENTE	89	125 mA	95	520 mA	95	33 mA	500÷1200 Hz
	PLURITONALE DISCENDENTE MULTI-TONE / MULTITONAL DESCENDANT / ABSTEGEND PLURITONAL / PLURITONAL DESCENDIENTE	88	120 mA	94	460 mA	99	26 mA	1200÷500 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	85	420 mA	97	1A	99	44 mA	2400 / 2850 Hz
	INTERMITTENTE LENTO SLOW INTERMITTENT / INTERMITTENT LENT / LANGSAM AUSSETZEND / INTERMITTENTE LENTO	89	125 mA	95	520 mA	94	26 mA	970 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	91	180 mA	96	640 mA	96	30 mA	800 / 970 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSSETZEND / INTERMITTENTE	89	130 mA	95	450 mA	94	26 mA	970 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSSETZEND / INTERMITTENTE	84	80 mA	91	320 mA	92	20 mA	660 Hz
	INTERMITTENTE LENTO SLOW INTERMITTENT / INTERMITTENT LENT / LANGSAM AUSSETZEND / INTERMITTENTE LENTO	86	90 mA	93	420 mA	94	23 mA	660 Hz
	LINEARE LINEAR / LINEAIRE / LINEAR / LINEAL	89	60 mA	95	290 mA	93	20 mA	500 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	87	140 mA	94	280 mA	93	24 mA	440/554 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSSETZEND / INTERMITTENTE	87	85 mA	93	370 mA	94	23 mA	660 Hz
	INTERMITTENTE VELOCE FAST INTERMITTENT / INTERMITTENT RAPIDE / SCHNELL AUSSETZEND / INTERMITTENTE RAPIDO	91	290 mA	97	840 mA	97	36 mA	2850 Hz
	PLURITONALE (BUZZER) MULTI-TONE (BUZZER) / MULTITONAL (BUZZER) / PLURITONAL (SUMMER) / PLURITONAL (BUZZER)	91	100 mA	96	440 mA	94	25 mA	800÷970 Hz
	PLURITONALE (BUZZER) MULTI-TONE (BUZZER) / MULTITONAL (BUZZER) / PLURITONAL (SUMMER) / PLURITONAL (BUZZER)	93	260 mA	97	850 mA	99	38 mA	2400÷2850 Hz
	INTERMITTENTE VELOCE FAST INTERMITTENT / INTERMITTENT RAPIDE / SCHNELL AUSSETZEND / INTERMITTENTE RAPIDO	90	220 mA	96	720 mA	96	32 mA	2850 Hz
	LINEARE LINEAR / LINEAIRE / LINEAR / LINEAL	86	40 mA	92	220 mA	92	18 mA	300 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON INTERRUPCIÓN	89	125 mA	96	425 mA	95	26 mA	600 / 700 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON INTERRUPCIÓN	94	180 mA	99	560 mA	95	30 mA	1200 / 1700 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON INTERRUPCIÓN	93	310 mA	100	1,1 A	100	38 mA	2400 / 2850 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	89	125 mA	96	500 mA	94	26 mA	600 / 700 Hz
	MODULATO MODULATED / MODULE / MODULIERT / MODULADO	95	170 mA	99	650 mA	96	32 mA	1400÷1600 Hz

V 24~ - 48~ - 110~ - 240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	IP 65	<input type="checkbox"/>
°C -30 +50	On ∞	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE



LD 125 TWS F

MODULO LUMINOSO A LED INTEGRATI LUCE FISSA

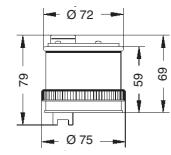
LED INTEGRATED CONTINUOUS LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGREGES LUMIERE FIXE
DAUERLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA

V \equiv	24	48	-	-
V \sim	110	240		
mA	90	65	20	20
mA	80	65	20	20

■	LD125TWSF24DA1	66721	LD125TWSF48DA1	66731	LD125TWSF110A1	66741	LD125TWSF240A1	66751
	LD125TWSF24DA2	66722	LD125TWSF48DA2	66732	LD125TWSF110A2	66742	LD125TWSF240A2	66752
	LD125TWSF24DA3	66723	LD125TWSF48DA3	66733	LD125TWSF110A3	66743	LD125TWSF240A3	66753
	LD125TWSF24DA4	66724	LD125TWSF48DA4	66734	LD125TWSF110A4	66744	LD125TWSF240A4	66754
	LD125TWSF24DA5	66725	LD125TWSF48DA5	66735	LD125TWSF110A5	66745	LD125TWSF240A5	66755
	LD125TWSF24DA6	66726	LD125TWSF48DA6	66736	LD125TWSF110A6	66746	LD125TWSF240A6	66756

■	NLD125TWSF24DA1	69701	NLD125TWSF48DA1	64811	NLD125TWSF110A1	64821	NLD125TWSF240A1	69711
	NLD125TWSF24DA2	69702	NLD125TWSF48DA2	64812	NLD125TWSF110A2	64822	NLD125TWSF240A2	69712
	NLD125TWSF24DA3	69703	NLD125TWSF48DA3	64813	NLD125TWSF110A3	64823	NLD125TWSF240A3	69713
	NLD125TWSF24DA4	69704	NLD125TWSF48DA4	64814	NLD125TWSF110A4	64824	NLD125TWSF240A4	69714
	NLD125TWSF24DA5	69705	NLD125TWSF48DA5	64815	NLD125TWSF110A5	64825	NLD125TWSF240A5	69715
	NLD125TWSF24DA6	69706	NLD125TWSF48DA6	64816	NLD125TWSF110A6	64826	NLD125TWSF240A6	69716

V 24~ - 48~ - 110~ \sim 240~ ($\pm 10\%$)	\equiv	\sim 50/60 Hz	Flash/min. 150±20	
IP 65	<input type="checkbox"/>	°C -30 +50	On ∞	1 2 3 4 5 6 / PC AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE



LD 125 TWS L

MODULO LUMINOSO A LED INTEGRATI LUCE LAMPEGGIANTE

LED INTEGRATED FLASHING LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGREGES CLIGNOTANT
BLINKLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ INTERMITENTE

V \equiv	24	48	-	-
V \sim	110	240		
mA	90	65	20	20
mA	80	65	20	20

■	LD125TWSL24DA1	66421	LD125TWSL48DA1	66431	LD125TWSL110A1	66441	LD125TWSL240A1	66451
	LD125TWSL24DA2	66422	LD125TWSL48DA2	66432	LD125TWSL110A2	66442	LD125TWSL240A2	66452
	LD125TWSL24DA3	66423	LD125TWSL48DA3	66433	LD125TWSL110A3	66443	LD125TWSL240A3	66453
	LD125TWSL24DA4	66424	LD125TWSL48DA4	66434	LD125TWSL110A4	66444	LD125TWSL240A4	66454
	LD125TWSL24DA5	66425	LD125TWSL48DA5	66435	LD125TWSL110A5	66445	LD125TWSL240A5	66455
	LD125TWSL24DA6	66426	LD125TWSL48DA6	66436	LD125TWSL110A6	66446	LD125TWSL240A6	66456

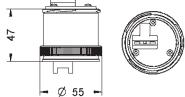
■	NLD125TWSL24DA1	69721	NLD125TWSL48DA1	64851	NLD125TWSL110A1	64861	NLD125TWSL240A1	69731
	NLD125TWSL24DA2	69722	NLD125TWSL48DA2	64852	NLD125TWSL110A2	64862	NLD125TWSL240A2	69732
	NLD125TWSL24DA3	69723	NLD125TWSL48DA3	64853	NLD125TWSL110A3	64863	NLD125TWSL240A3	69733
	NLD125TWSL24DA4	69724	NLD125TWSL48DA4	64854	NLD125TWSL110A4	64864	NLD125TWSL240A4	69734
	NLD125TWSL24DA5	69725	NLD125TWSL48DA5	64855	NLD125TWSL110A5	64865	NLD125TWSL240A5	69735
	NLD125TWSL24DA6	69726	NLD125TWSL48DA6	64856	NLD125TWSL110A6	64866	NLD125TWSL240A6	69736

COLONNA TWS A LED INTEGRATI	LED INTEGRATED TWS TOWER	COLONNE TWS AVEC LEDS INTEGREGES	LICHTSÄULE TWS MIT INTEGRIERTEN LED	COLUMNAS TWS DE LED'S INTEGRADOS
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TOWER SECTOR **MINI TWS**

V 24	~ - 110 ~ - 240 ~ ($\pm 10\%$)	---	~ 50/60 Hz	Flash/min. 0-150±20	IP 65
<input type="checkbox"/>	°C -30 +50	On ∞	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg 0,045

LD MINI TWS F/L
MODULO LUMINOSO A LED INTEGRATI
LUCE FISSA/LAMPEGGIANTE

LED INTEGRATED CONTINUOUS/FLASHING LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGRÉES LUMIERE FIXE/CLIGNOTANTE
DAUER- /BLINKLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA/INTERMITENTE

<input type="checkbox"/> LDMINITWSFL24DA1 31501	LDMINITWSFL110A1 31511	LDMINITWSFL240A1 31521
<input type="checkbox"/> LDMINITWSFL24DA2 31502	LDMINITWSFL110A2 31512	LDMINITWSFL240A2 31522
<input type="checkbox"/> LDMINITWSFL24DA3 31503	LDMINITWSFL110A3 31513	LDMINITWSFL240A3 31523
<input type="checkbox"/> LDMINITWSFL24DA4 31504	LDMINITWSFL110A4 31514	LDMINITWSFL240A4 31524
<input type="checkbox"/> LDMINITWSFL24DA5 31505	LDMINITWSFL110A5 31515	LDMINITWSFL240A5 31525
<input type="checkbox"/> LDMINITWSFL24DA6 31506	LDMINITWSFL110A6 31516	LDMINITWSFL240A6 31526

<input checked="" type="checkbox"/> NLDMINITWSFL24DA1 31541	NLDMINITWSFL110A1 31551	NLDMINITWSFL240A1 31561
<input checked="" type="checkbox"/> NLDMINITWSFL24DA2 31542	NLDMINITWSFL110A2 31552	NLDMINITWSFL240A2 31562
<input checked="" type="checkbox"/> NLDMINITWSFL24DA3 31543	NLDMINITWSFL110A3 31553	NLDMINITWSFL240A3 31563
<input checked="" type="checkbox"/> NLDMINITWSFL24DA4 31544	NLDMINITWSFL110A4 31554	NLDMINITWSFL240A4 31564
<input checked="" type="checkbox"/> NLDMINITWSFL24DA5 31545	NLDMINITWSFL110A5 31555	NLDMINITWSFL240A5 31565
<input checked="" type="checkbox"/> NLDMINITWSFL24DA6 31546	NLDMINITWSFL110A6 31556	NLDMINITWSFL240A6 31566

<input type="checkbox"/> V ---	24	-	-
<input type="checkbox"/> V ~	110	240	
<input checked="" type="checkbox"/> mA	30	65	55
<input checked="" type="checkbox"/> mA	30	65	55

V MAX 240

IP 65

°C -30 +50

AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



MINI TWS B.C.
BASE DI CABLAGGIO

MODULO BASE

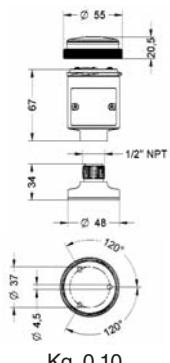
+ CAPPELLO + BASETTA

WIRING BASE + COVER + FOOT

BASE DE CABLAGUE + COUVERCLE + BASE DE FIXATION
VERDRAHTUNGSSOCKEL + DECKEL + FUSS
BASE DE CABLEADO + TAPA + PIE

MINITWSBC 31500

NMINITWSBC 31508



Kg. 0,10

Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

V 24~ -110~ -240~ ($\pm 10\%$)

~ 50/60 Hz

IP 54



°C -30 +50

On ∞

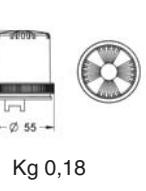
AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



MINI TWS A

MODULO ACUSTICO MAGNETODINAMICO
MAGNETODYNAMIC ACOUSTIC MODULE
ELEMENT ACoustIQUE MAGNETO-DYNAMIQUE
AKUSTISCHES MAGNETODYNAMISCHE ELEMENT
MÓDULO ACÚSTICO MAGNETODINÁMICO

<input type="checkbox"/> V ---	24	-	-
<input type="checkbox"/> V ~	110	240	
<input type="checkbox"/> mA	130	10	15
<input type="checkbox"/> dB(A) 1m	77	77	77
<input type="checkbox"/> Hz	800	1000	



Kg 0,18

MINITWSA24DA 31531
MINITWSA110A 31532
MINITWSA240A 31533

NMINITWSA24DA 31534
NMINITWSA110A 31535
NMINITWSA240A 31536



V 24 V ($\pm 10\%$)	\equiv	\sim 50/60 Hz	IP 65	<input type="checkbox"/>	°C -30 +50
On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



LD BABY TWS F
MODULO LUMINOSO A LED INTEGRATI
LUCE FISSA

LED INTEGRATED CONTINUOUS LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGREES LUMIERE FIXE
DAUERLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA



LDBABYTWSF24DA1 36451
LDBABYTWSF24DA2 36452
LDBABYTWSF24DA3 36453
LDBABYTWSF24DA4 36454
LDBABYTWSF24DA5 36455
LDBABYTWSF24DA6 36456

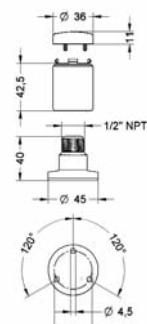
V \equiv	24
V \sim	
● mA	50
● mA	45
● mA	50
● mA	40
● mA	45
○ mA	50

V MAX 24
IP 65
°C -30 +50

AAUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE

BABY TWS B.C.
BASE DI CABLAGGIO
MODULO BASE
+ CAPPELLO + BASETTA

WIRING BASE + COVER + FOOT

BASE DE CABLAGE + COUVERCLE + BASE DE FIXATION
VERDRAHTUNGSSOCKEL + DECKEL + FUSS
BASE DE CABLEADO + TAPA + PIE

 BABYTWSBC 36450

 NBABYTWSBC 36449

Kg 0,055

Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

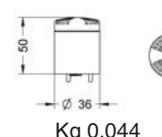
V 24 V ($\pm 10\%$)	\equiv	\sim 50/60 Hz	IP 54
<input type="checkbox"/>		°C -30 +50	On ∞



BABY TWS A
MODULO ACUSTICO PIEZOELETTRICO

PIEZOELECTRIC ACOUSTIC MODULE
ELEMENT ACoustIQUE PIEZO-ELECTRIQUE
AKUSTISCHES PIEZOELEkTRISCHES ELEMENT
MÓDULO ACÚSTICO PIEZOELÉCTRICO

V \equiv	24
V \sim	
mA	10
dB(A) 1m	72
Hz	4000±300


 BABYTWSA24DA 36461

 NBABYTWSA24DA 36462



V₂₄ (±10%)	---	~ 50/60 Hz	IP 65	□	°C -30 +50
On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



Kg 0,008

LD MICRO TWS F
MODULO LUMINOSO A LED INTEGRATI
LUCE FISSA

LED INTEGRATED CONTINUOUS LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGREES LUMIERE FIXE
DAUERLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA

LDMICROTWSF24DA1 31571
LDMICROTWSF24DA2 31572
LDMICROTWSF24DA3 31573
LDMICROTWSF24DA4 31574
LDMICROTWSF24DA5 31575
LDMICROTWSF24DA6 31576

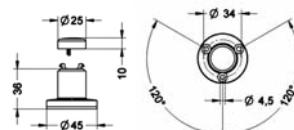
V ---	24
V ~	
	mA 30
	mA 25
	mA 35

V MAX 24	IP 65	°C -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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MICRO TWS B.C.
BASE DI CABLAGGIO
+ CAPPELLO

WIRING BASE + COVER
BASE DE CABLAGE + COUVERCLE
VERDRAHTUNGSSOCKEL + DECKEL
BASE DE CABLEADO + TAPA



Kg 0,029

MICROTWSBC 31537

NMICROTWSBC 31540

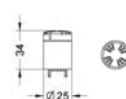
Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

V₂₄ (±10%)	---	~ 50/60 Hz	IP 54
□		°C -30 +50	On ∞



MICRO TWS A
MODULO ACUSTICO PIEZOLETRICO
PIEZOELECTRIC ACOUSTIC MODULE
ELEMENT ACoustIQUE PIEZO-ELECTRIQUE
AKUSTISCHES PIEZOLEKTRISCHES ELEMENT
MÓDULO ACÚSTICO PIEZOLETRICO

V ---	24
V ~	
mA	5
dB(A) 1m	65
Hz	3600±300

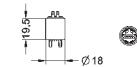


Kg 0,016

MICROTWSA24DA 31538

NMICROTWSA24DA 31539

V₂₄~ ($\pm 10\%$)	—	~ 50/60 Hz	IP 65	□	°C -30 +50
On ∞		1 2 3 4 5 6		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg 0,004

LD NANO TWS F
MODULO LUMINOSO A LED INTEGRATI
LUCE FISSA

LED INTEGRATED CONTINUOUS LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGREES LUMIERE FIXE
DAUERLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA

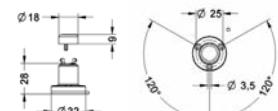
LDNANOTWSF24DA1	31581
LDNANOTWSF24DA2	31582
LDNANOTWSF24DA3	31583
LDNANOTWSF24DA4	31584
LDNANOTWSF24DA5	31585
LDNANOTWSF24DA6	31586

V ——	24
V ~	
● mA	15
○ mA	15

V MAX 24	IP 65	°C -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
-----------------	--------------	-------------------	--



NANO TWS B.C.
BASE DI CABLAGGIO
+ CAPPELLO
WIRING BASE + COVER
BASE DE CABLAGE + COUVERCLE
VERDRAHTUNGSSOCKEL + DECKEL
BASE DE CABLEADO + TAPA



Kg 0,014

NANOTWSBC 31587

NNANOTWSBC 31588

Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna



TOWER SECTOR **BABYROT - LD BABYLAMP - BABYLAMP**

Ba9s 10W : V _{12~24~} -48~110~240~ (±10%)		Ba9s H-20W : V _{24~} -110~240~ (±10%)		---	
~ 50/60 Hz	r.p.m. 160±30	IP 65	<input type="checkbox"/>	°C -30 +60	On ∞
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE		
LUCI ROTANTI ROTATING BEACONS - FEUX TOURNANTS - DREHSPIEGELLEUCHTEN - LUCES ROTATIVAS			Ba9s 10W	V ---	-
BABYROT				V ~	24
BABYR				mA	48 110 240
BABYROT H				Cd (p)	820 500 280 140 73
BABYRH					300 350 280 200 120
BABYRHTOR					
BABYR24DA1 26530 BABYR24DA1 26538 BABYR48A1 26546 BABYR110A1 26554 BABYR240A1 26562					
BABYR12A2 26531 BABYR24DA2 26539 BABYR48A2 26547 BABYR110A2 26555 BABYR240A2 26563					
BABYR12A3 26532 BABYR24DA3 26540 BABYR48A3 26548 BABYR110A3 26556 BABYR240A3 26564					
BABYR12A4 26533 BABYR24DA4 26541 BABYR48A4 26549 BABYR110A4 26557 BABYR240A4 26565					
BABYR12A5 26534 BABYR24DA5 26542 BABYR48A5 26550 BABYR110A5 26558 BABYR240A5 26566					
BABYR12A6 26535 BABYR24DA6 26543 BABYR48A6 26551 BABYR110A6 26559 BABYR240A6 26567					
BABYR24DA1 26501 BABYR24DA6 26506 BABYRHTOR110A5 26512 BABYRHTOR240A4 26518					
BABYR24DA2 26502 BABYRHTOR110A1 26508 BABYRHTOR110A6 26513 BABYRHTOR240A5 26519					
BABYR24DA3 26503 BABYRHTOR110A2 26509 BABYRHTOR240A1 26515 BABYRHTOR240A6 26520					
BABYR24DA4 26504 BABYRHTOR110A3 26510 BABYRHTOR240A2 26516					
BABYR24DA5 26505 BABYRHTOR110A4 26511 BABYRHTOR240A3 26517					

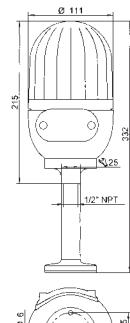
V _{24~} - 48~ -110~ -240~ (±10%)	---	~ 50/60 Hz	Flash/min. 0-150±20	IP 65	<input type="checkbox"/>
°C -30 +50	On ∞		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON - FEU CLIGNOTANT (A LUMIERE FIXE) A LED'S INTEGREES - BLINK- (DAUERLICHT) LEUCHTE MIT INTEGRIERTEN LED - LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	
LD 365 BABYLAMP LD365BABY					
LD365BABY24DA1 65531 LD365BABY48DA1 65541 LD365BABY110A1 65551 LD365BABY240A1 65561					
LD365BABY24DA2 65532 LD365BABY48DA2 65542 LD365BABY110A2 65552 LD365BABY240A2 65562					
LD365BABY24DA3 65533 LD365BABY48DA3 65543 LD365BABY110A3 65553 LD365BABY240A3 65563					
LD365BABY24DA4 65534 LD365BABY48DA4 65544 LD365BABY110A4 65554 LD365BABY240A4 65564					
LD365BABY24DA5 65535 LD365BABY48DA5 65545 LD365BABY110A5 65555 LD365BABY240A5 65565					
LD365BABY24DA6 65536 LD365BABY48DA6 65546 LD365BABY110A6 65556 LD365BABY240A6 65566					

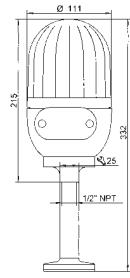
V _{12~48} - 24~240~ (±10%)	Ba15d LD ¹⁰⁵ ₂₀₅ V _{12~240~}	---	~ 50/60 Hz	Flash/min. 110±20	
IP 65	<input type="checkbox"/>	°C -30 +60	On ∞		PC
FORNITO SENZA LAMPADA SUPPLIED WITHOUT BULB - FOURNI SANS AMPOULE - LIEFERUNG OHNE LEUCHTMITTEL - SUMINISTRADO SIN LÁMPARA					
LUCE LAMPEGGIANTE FLASHING BEACON - FEU CLIGNOTANT - BLINKLEUCHTE - LUZ INTERMITENTE					
BABYLAMP L MT BABYLMT					
BABYLMT248D1 26630 BABYLMT248D4 26633 BABYLMT24240A1 26636 BABYLMT24240A4 26639					
BABYLMT248D2 26631 BABYLMT248D5 26634 BABYLMT24240A2 26637 BABYLMT24240A5 26640					
BABYLMT248D3 26632 BABYLMT248D6 26635 BABYLMT24240A3 26638 BABYLMT24240A6 26641					

Per ordinare l'opzione nera richiedere i codici

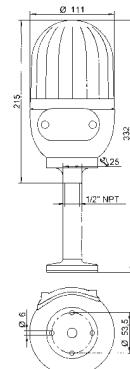
Code numbers for the black version are available on request - Pour commander l'option noire demander les codes - Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar - Para pedir la opción negra solicitar los códigos



Kg. 0,75
Kg. 0,97 (H)



Kg. 0,58



Kg. 0,53

V 12÷240 \sim ($\pm 10\%$)	Ba 15d LD 105 - 205	---	~ 50/60 Hz	IP 65
<input type="checkbox"/> $^{\circ}\text{C}$ -30 +60	On ∞		1 2 3 4 5 6	PC AUTOESTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE


FORNITO SENZA LAMPADA

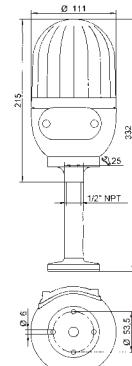
SUPPLIED WITHOUT BULB - FOURNI SANS AMPOULE - LIEFERUNG OHNE LEUCHTMITTEL - SUMINISTRADO SIN LÁMPARA

LUCE FISSA

CONTINUOUS LIGHT BEACON -
FEU A LUMIERE FIXE - DAUERLEUCHTE -
LUZ FIJA

BABYLAMP F MT
BABYFMT

	V ---	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	V ~	12.1	1.1	0.52	0.22	0.11	0.10
A	2.1	1.1	0.52	0.22	0.11	0.10	
Cd (p)	100	70	60	75	75	80	



Kg. 0,53

<input type="checkbox"/> BABYFMT12240DA1	26801	BABYFMT12240DA4	26804
BABYFMT12240DA2	26802	BABYFMT12240DA5	26805
BABYFMT12240DA3	26803	BABYFMT12240DA6	26806

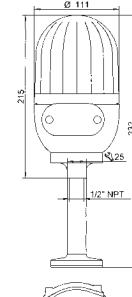
J 2: V 12÷24 \sim -110 \sim -230 ÷ 240 \sim ($\pm 10\%$)	J 3/9: V 12÷24 \sim -110 ÷ 240 \sim ($\pm 10\%$)	---	~ 50/60 Hz
J 2 J 3/9 IP 65 <input type="checkbox"/> $^{\circ}\text{C}$ -10 +50	On ∞		1 2 3 4 5 6


LUCE XENO

XENON LIGHT BEACON - FEU A ECLATS - BLITZLEUCHTE - LUZ DESTELLANTE

	1F	V ---	12÷24		-	-	-
	V ~	110	230÷240				
XENON 2J	mA	500	440	80	42	43	
LRX 2J	Cd (p)	700	1000	1300	1400	1450	
	Fl/min	65±10					

	2F	V ---	12÷24		-	-	-
	V ~	110	230÷240				
XENON 2J	mA	470	400	95	36	37	
LRX 2J	Cd (p)	350	400	600	500	550	
	Fl/min	2 x 65±10					


2 Kg. 0,55
3/9J Kg. 0,62

BABYFLASH

- BABYX2J1F**
-
- BABYX2J2F**
-
- BABYX3/9J1/4F**

	1/4F	V ---	12÷24		110÷230÷240		
	A ---	1.8	1.2	0.35	0.25	0.25	
	V ~	12÷24		110÷230÷240			
	A ~	3	2	0.4	0.28	0.28	
XENON 3-9J	Cd(p)	1100	1100	1000	1000	1000	
LRX 39J	Flash/min	140 ± 5		95 ± 5			
	Cd(p)	1070	1070	900	900	900	
	450	850	1000	1000	1000		
	Flash/min	95 ± 5		65 ± 5			
	Cd(p)	1050	1050	950	850	850	
	450	850	1050	1000	1000		
	Flash/min	65 ± 5		55 ± 5			
	Cd(p)	1050	1050	900	900	900	
	450	850	1000	1000	1000		
	Flash/min	55 ± 5		45 ± 5			
	Cd(p)	1050	1050	900	900	900	
	450	850	1000	1000	1000		

<input type="checkbox"/> BABYX2J1F1224DA1	26701	BABYX2J2F110A1	26727
BABYX2J1F1224DA2	26702	BABYX2J2F110A2	26728
BABYX2J1F1224DA3	26703	BABYX2J2F110A3	26729
BABYX2J1F1224DA4	26704	BABYX2J2F110A4	26730
BABYX2J1F1224DA5	26705	BABYX2J2F110A5	26731
BABYX2J1F1224DA6	26706	BABYX2J2F110A6	26732
BABYX2J1F110A1	26707	BABYX2J2F230240A1	26733
BABYX2J1F110A2	26708	BABYX2J2F230240A2	26734
BABYX2J1F110A3	26709	BABYX2J2F230240A3	26735
BABYX2J1F110A4	26710	BABYX2J2F230240A4	26736
BABYX2J1F110A5	26711	BABYX2J2F230240A5	26737
BABYX2J1F110A6	26712	BABYX2J2F230240A6	26738
BABYX2J1F230240A1	26713	BABYX39J14F1224DA1	26661
BABYX2J1F230240A2	26714	BABYX39J14F1224DA2	26662
BABYX2J1F230240A3	26715	BABYX39J14F1224DA3	26663
BABYX2J1F230240A4	26716	BABYX39J14F1224DA4	26664
BABYX2J1F230240A5	26717	BABYX39J14F1224DA5	26665
BABYX2J1F230240A6	26718	BABYX39J14F1224DA6	26666
BABYX2J2F1224DA1	26721	BABYX39J14F110240DA1	26671
BABYX2J2F1224DA2	26722	BABYX39J14F110240DA2	26672
BABYX2J2F1224DA3	26723	BABYX39J14F110240DA3	26673
BABYX2J2F1224DA4	26724	BABYX39J14F110240DA4	26674
BABYX2J2F1224DA5	26725	BABYX39J14F110240DA5	26675
BABYX2J2F1224DA6	26726	BABYX39J14F110240DA6	26676

Per ordinare l'opzione nera richiedere i codici

Code numbers for the black version are available on request - Pour commander l'option noire demander les codes -
Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar - Para pedir la opción negra solicitar los códigos



ACCESSORI TWS - MINI TWS - BABY TWS

ACCESSORIES TWS - MINI TWS - BABY TWS / ACCESSOIRES TWS - MINI TWS - BABY TWS /
ZUBEHÖR TWS - MINI TWS - BABY TWS / ACCESORIOS TWS - MINI TWS - BABY TWS

BASETTA - con O-Ring e guarnizione di base

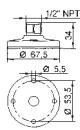
FOOT - with O-Ring and base gasket / SOCLE - avec joint torique et joint de base / FUß - mit O-Ring und Sockeldichtung / PIE - con OR y junta de base



PA

TWS BS

■ TWSBS 27760 ■ NTWSBS 27691



Kg. 0,03

PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili

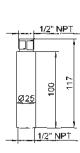
EXTENSION STEM (h. 10 cm. - stackable) - with O-Ring and two removable snap-shut stoppers / RALLONGE (h. 10 cm. - superposable) - avec joint torique et deux bouchons à déclenchement amovibles / VERLÄNGERUNG (h. 10 cm. - übereinanderlegbar) - mit O-Ring und zwei abnehmbaren Schnapp-Füllstücken / PROLONGADOR (h. 10 cm. - sobreponible) - con OR y dos taponcitos a saltos amovibles



PA

TWS PR

■ TWSPR 27761 ■ NTWSPR 27692



Kg. 0,03

BASE A PARETE 1 FILETTO - con O-Ring e guarnizione di base

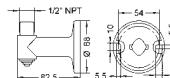
1 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 1 FILETTO - avec joint torique et joint de base / 1 GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 1 ROSCA - con OR y junta de base



PA

TWS BP 1

■ TWSBP1 27762 ■ NTWSBP1 27693



Kg. 0,04

BASE A PARETE 2 FILETTI - con O-Ring e guarnizione di base

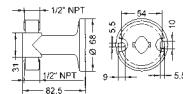
2 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 2 FILETS - avec joint torique et joint de base / 2 GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 2 ROSCAS - con OR y junta de base



PA

TWS BP 2

■ TWSBP2 27763 ■ NTWSBP2 27694



Kg. 0,05

1 PR + 1 BS - con O-Ring, guarnizione di base e due guance a scatto amovibili

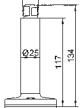
1 PR + 1 BS - with O-Ring, base gasket and two removable snap-shut stoppers / 1 PR + 1 BS - avec joint torique, joint de base et deux bouchons à déclenchement amovibles / 1 PR + 1 BS - mit O-Ring, Sockeldichtung und zwei abnehmbaren Schnapp-Füllstücken / 1 PR + 1 BS - con OR, junta de base y dos taponcitos a saltos amovibles



PA

TWS KIT

■ TWSKIT 27764 ■ NTWSKIT 27695



Kg. 0,06

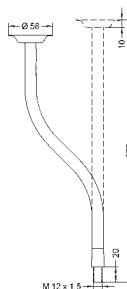
PROLUNGA FLESSIBILE ACCIAIO

FLEXIBLE STEEL EXTENSION STEM
SUPPORT TUBULAIRE FLEXIBLE ACIER
FLEXIBLES STAHLROHR
PROLONGADOR FLEXIBLE DE ACERO



N TWS PF2

NTWSPF2 27696



Kg. 0,26

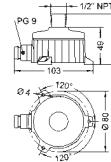
BOX DI GIUNZIONE

JUNCTION BOX

BOITE DE JONCTION

ANSCHLUSSKASTEN

CAJA DE CONEXIÓN



TWS BOX PG9

PA

■ TWSBOXPG9 27777 ■ NTWSBOXPG9 27778

PROLUNGA ACCIAIO INOX (h. 400 mm) con O-Ring

STAINLESS STEEL EXTENSION STEM (h. 400 mm) with O-Ring /

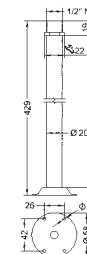
RALLONGE ACIER INOX (h. 400 mm) avec joint torique /

VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 400 mm) mit O-Ring /

PROLONGADOR DE ACERO INOX (h. 400 mm) - con OR



TWS KIT INOX L/400



Kg. 0,28

■ TWSKITINOXL400 27767

PROLUNGA ACCIAIO INOX (h. 200 mm) con O-Ring

STAINLESS STEEL EXTENSION STEM (h. 200 mm) with O-Ring /

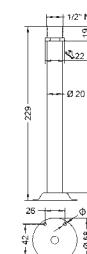
RALLONGE ACIER INOX (h. 200 mm) avec joint torique /

VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 200 mm) mit O-Ring /

PROLONGADOR DE ACERO INOX (h. 200 mm) - con OR



TWS KIT INOX L/200



Kg. 0,18

■ TWSKITINOXL200 27766

PROLUNGA ACCIAIO INOX (h. 100 mm) con O-Ring

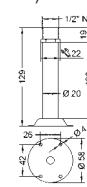
STAINLESS STEEL EXTENSION STEM (h. 100 mm) with O-Ring / RALLONGE ACIER INOX (h. 100 mm) avec joint torique /

VERLÄNGERUNG AUS ROSTFREIEM STAHL (h. 100 mm) mit O-Ring /

PROLONGADOR DE ACERO INOX (h. 100 mm) - con OR



TWS KIT INOX L/100



Kg. 0,14

■ TWSKITINOXL100 27765

ACCESSORI

ACCESSORIES - ACCESSOIRES - ZUBEHÖR - ACCESORIOS

LAMPADA A FILAMENTO

FILAMENT BULB - AMPOULE A FILAMENT - GLÜHLAMPE - LÁMPARA DE FILAMENTO



**Ba15d
5 W**

Scatola 25 pz.
25 pc. box - Boîte de 25 pièces -
25 stk.ger Schachtel - Caja de 25 unidades

25PZBA15D5W12 27780 BA15D5W12 70970 LRBA15D5W12 70941
25PZBA15D5W24 27781 BA15D5W24 70971 LRBA15D5W24 70942
25PZBA15D5W48 27782 BA15D5W48 70972 LRBA15D5W48 70943
25PZBA15D5W130 27783 BA15D5W130 70973 LRBA15D5W130 70944
25PZBA15D5W240 27784 BA15D5W240 70974 LRBA15D5W240 70945

Scatola 1x25 pz.
1x25 pc. box - Boîte 1x25 pièces
Schachtel 1x25 St - Caja 1x25 unidades

25PZBA15D5W12 27780 BA15D5W12 70970 LRBA15D5W12 70941
25PZBA15D5W24 27781 BA15D5W24 70971 LRBA15D5W24 70942
25PZBA15D5W48 27782 BA15D5W48 70972 LRBA15D5W48 70943
25PZBA15D5W130 27783 BA15D5W130 70973 LRBA15D5W130 70944
25PZBA15D5W240 27784 BA15D5W240 70974 LRBA15D5W240 70945

Scatola singola
Single box - Boîte individuelle -
Einzelschachtel - Caja individual

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	

LAMPADA A LED

LED BULB - AMPOULE A LED - LED-LEUCHTMITTEL - LÁMPARA DE LED'S



**Ba15d
LD 4.5.4
WO**

LD454W0BA15D12DA1 40931 LD454W0BA15D24DA3 40943 LD454W0BA15D110A6 40956
LD454W0BA15D12DA2 40932 LD454W0BA15D24DA4 40944 LD454W0BA15D230240A1 40961
LD454W0BA15D12DA3 40933 LD454W0BA15D24DA6 40946 LD454W0BA15D230240A2 40962
LD454W0BA15D12DA4 40934 LD454W0BA15D110A1 40951 LD454W0BA15D230240A3 40963
LD454W0BA15D12DA5 40936 LD454W0BA15D110A2 40952 LD454W0BA15D230240A4 40964
LD454W0BA15D24DA1 40941 LD454W0BA15D110A3 40953 LD454W0BA15D230240A6 40966
LD454W0BA15D24DA2 40942 LD454W0BA15D110A4 40954

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

LAMPADA A LED

LED BULB - AMPOULE A LED - LED-LEUCHTMITTEL - LÁMPARA DE LED'S



**Ba15d
LD 103**

LD103EXLBA15D12DA1 29491 LD103BA15D24DA6 27806 LD103BA15D110A3 29513
LD103BA15D12DA2 29492 LD103EXLBA15D24DA8 27808 LD103BA15D110A5 29515
LD103BA15D12DA3 29493 LD103EXLBA15D48DA1 29501 LD103BA15D110A6 29516
LD103BA15D12DA5 29495 LD103BA15D48DA2 29502 LD103EXLBA15D110A8 29518
LD103BA15D12DA6 29496 LD103BA15D48DA3 29503 LD103EXLBA15D230240A1 29521
LD103EXLBA15D12DA8 29498 LD103BA15D48DA5 29505 LD103BA15D230240A2 29522
LD103EXLBA15D24DA1 27801 LD103BA15D48DA6 29506 LD103BA15D230240A3 29523
LD103BA15D24DA2 27802 LD103EXLBA15D48DA8 29508 LD103BA15D230240A5 29525
LD103BA15D24DA3 27803 LD103EXLBA15D110A1 29511 LD103BA15D230240A6 29526
LD103BA15D24DA5 27805 LD103BA15D110A2 29512 LD103EXLBA15D230240A8 29528

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

LAMPADA A LED

LED BULB - AMPOULE A LED - LED-LEUCHTMITTEL - LÁMPARA DE LED'S



**Ba15d
LD 105
Ellisse**

LD105EXLBA15DEL12DA1 27901 LD105ELBA15D24DA6 27816 LD105ELBA15D110A3 27913
LD105ELBA15D12DA2 27902 LD105EXLBA15DEL24DA8 27818 LD105ELBA15D110A5 27915
LD105ELBA15D12DA3 27903 LD105EXLBA15DEL48DA1 27821 LD105ELBA15D110A6 27916
LD105ELBA15D12DA5 27905 LD105ELBA15D48DA2 27822 LD105EXLBA15DEL110A8 27918
LD105ELBA15D12DA6 27906 LD105ELBA15D48DA3 27823 LD105EXLBA15DEL230240A1 27941
LD105EXLBA15DEL12DA8 27908 LD105ELBA15D48DA5 27825 LD105ELBA15D230240A2 27942
LD105EXLBA15DEL24DA1 27811 LD105ELBA15D48DA6 27826 LD105ELBA15D230240A3 27943
LD105ELBA15D24DA2 27812 LD105EXLBA15DEL48DA8 27828 LD105ELBA15D230240A5 27945
LD105ELBA15D24DA3 27813 LD105EXLBA15DEL110A1 27911 LD105ELBA15D230240A6 27946
LD105ELBA15D24DA5 27815 LD105ELBA15D110A2 27912 LD105EXLBA15DEL230240A8 27948

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

ACCESSORI E RICAMBI PER BABYROT, BABYLAMP, BABYFLASH

ACCESSORIES AND SPARE PARTS FOR BABYROT, BABYLAMP, BABYFLASH
 ACCESSOIRES ET PIECES DE RECHANGE POUR BABYROT, BABYLAMP, BABYFLASH
 ZUBEHÖR UND ERSATZTEILE FÜR BABYROT, BABYLAMP, BABYFLASH
 ACCESORIOS Y REPUESTOS PARA BABYROT, BABYLAMP, BABYFLASH

LAMPADA A FILAMENTO

FILAMENT BULB - AMPOULE A FILAMENT - GLÜHLAMPE - LÁMPARA DE FILAMENTO


**Ba9s
10 W**

LRBA9S10W12	72761
LRBA9S10W24	72762
LRBA9S10W48	72763
LRBA9S10W110	72764
LRBA9S10W230	72765
LRBA9S10W240	72766

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

LAMPADA ALOGENA

HALOGEN BULB - AMPOULE HALOGENE - HALOGENLAMPE - LÁMPARA HALÓGENA


**Ba9s
20 W**

LRHBA9S20W12	72786	x BABYROT 110/230V
LRHBA9S20W24	72787	x BABYROT 24V

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

LAMPADA A LED

LED BULB - AMPOULE A LED - LED-LEUCHTMITTEL - LÁMPARA DE LED'S


**Ba15d
LD 105**

LD105EXLBA15D12DA1	29571	LD105BA15D24DA6	27886	LD105BA15D110A3	29593
LD105BA15D12DA2	29572	LD105EXLBA15D24DA8	27888	LD105BA15D110A5	29595
LD105BA15D12DA3	29573	LD105EXLBA15D48DA1	29581	LD105BA15D110A6	29596
LD105BA15D12DA5	29575	LD105BA15D48DA2	29582	LD105EXLBA15D110A8	29598
LD105BA15D12DA6	29576	LD105BA15D48DA3	29583	LD105EXLBA15D230A1	29601
LD105EXLBA15D12DA8	29578	LD105BA15D48DA5	29585	LD105BA15D230A2	29602
LD105EXLBA15D24DA1	27881	LD105BA15D48DA6	29586	LD105BA15D230A3	29603
LD105BA15D24DA2	27882	LD105EXLBA15D48DA8	29588	LD105BA15D230A5	29605
LD105BA15D24DA3	27883	LD105EXLBA15D110A1	29591	LD105BA15D230A6	29606
LD105BA15D24DA5	27885	LD105BA15D110A2	29592	LD105EXLBA15D230A8	29608

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

LAMPADA A LED

LED BULB - AMPOULE A LED - LED-LEUCHTMITTEL - LÁMPARA DE LED'S


**Ba15d
LD 205**

LD205EXLBA15D12DA1	29691	LD205BA15D24DA6	27996	LD205BA15D110A3	29713
LD205BA15D12DA2	29692	LD205EXLBA15D24DA8	27998	LD205BA15D110A5	29715
LD205BA15D12DA3	29693	LD205EXLBA15D48DA1	29701	LD205BA15D110A6	29716
LD205BA15D12DA5	29695	LD205BA15D48DA2	29702	LD205EXLBA15D110A8	29718
LD205BA15D12DA6	29696	LD205BA15D48DA3	29703	LD205BA15D230A1	29721
LD205EXLBA15D12DA8	29698	LD205BA15D48DA5	29705	LD205BA15D230A2	29722
LD205EXLBA15D24DA1	27991	LD205BA15D48DA6	29706	LD205BA15D230A3	29723
LD205BA15D24DA2	27992	LD205EXLBA15D48DA8	29708	LD205BA15D230A5	29725
LD205BA15D24DA3	27993	LD205EXLBA15D110A1	29711	LD205BA15D230A6	29726
LD205BA15D24DA5	27995	LD205BA15D110A2	29712	LD205EXLBA15D230A8	29728

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

LAMPADA A FILAMENTO

FILAMENT BULB - AMPOULE A FILAMENT - GLÜHLAMPE - LÁMPARA DE FILAMENTO


**Ba15d
25W**

Scatola 12 pz.	Scatola 1x12 pz.	Scatola singola			
12 pc. box - Boîte de 12 pièces - 12 stk.ger Schachtel - Caja de 12 unidades	1x12 pc. box - Boîte 1x12 pièces Schachtel 1x12 St. - Caja 1x12 unidades	Single box - Boîte individuelle - Einzelnschachtel - Caja individual			
12PZBA15D25W12	72773	BA15D25W12	70980	LRBA15D25W12	70951
12PZBA15D25W24	72774	BA15D25W24	70981	LRBA15D25W24	70952
12PZBA15D25W48	72775	BA15D25W48	70982	LRBA15D25W48	70953
12PZBA15D25W130	72776	BA15D25W130	70983	LRBA15D25W130	70954
12PZBA15D25W240	72777	BA15D25W240	70984	LRBA15D25W240	70955

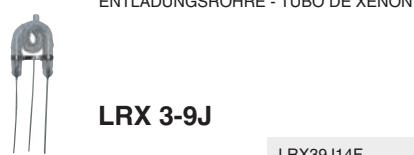
DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	

TUBO ALLO XENO

XENON TUBE - TUBE AU XENON -
ENTLADUNGSRÖHRE - TUBO DE XENÓN


LRX 2J

LRX2J 71634

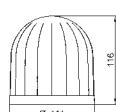

LRX 3-9J

LRX39J14F 72788

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
4.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL


**CR BABYR
BABYL
BABYF
BABYX**

CRBABY1	26991
CRBABY2	26992
CRBABY3	26993
CRBABY4	26994
CRBABY5	26995
CRBABY6	26996



Kg. 0,12



LUXOR



LEGENDA

LUXOR: PRINCIPALI CARATTERISTICHE TECNICHE E FUNZIONALI DEI PRODOTTI

VOLTAGGIO	TIPO DI LAMPADA	LAMPADA A LED	CORRENTE	FREQUENZA DI RETE
V 12-24-110-230-240 ($\pm 10\%$)	Ba 9s 4W	Ba 9s LD 103	— DC (continua)	50/60 Hz
Flash/min. 0 - 110 ± 20	IP 54	— AC (alternata)	— °C -30 +40	On ∞
LAMPI O GIRI PER MINUTO Flash/min o r.p.m.	CLASSE II DI ISOLAMENTO	1 2 3 4 5 6 PC	AUTOESTINGUENTE	SERVIZIO CONTINUO
PROPAGAZIONE LUCE	COLORI DELLA CUPOLA	5 = GIALLO 6 = NEUTRO 7 = AZZURRO 8 = VERDE EXL	MATERIALE CUPOLA PC: POLICARBONATO	TEMPERATURA DI FUNZIONAMENTO
GRADO IP: CORPI SOLIDI E ACQUA PARTE LUMINOSA: COME INDICATO PARTE ACUSTICA LX1 - LX2 : IP40 PARTE ACUSTICA LX3 - LX4 : IP30	CODICE COLORE	— SUONO LINEARE --- SUONO INTERMITTENTE		

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

VOLTAGGIO CORRENTE CONTINUA VOLTAGGIO CORRENTE ALTERNATA

V —	12	24	110	230	240
V ~	12	24	110	230	240
mA lampada	330	130	35	25	20
Cd (p) elemento luminoso	3	3	2	2	2
mA lampada LED	82	43	16	17	17
mA acustica	10	14	5	5	5
dB(A) 1 m	70	70	70	70	70
Hz					3200

LIVELLO ACUSTICO IN DECIBEL (A)
MISURATO A 1m FREQUENZA DI SUONO IN HERTZ

INDICE DI PROTEZIONE (EN 60529)

Prima cifra: protezione contro corpi solidi estranei		Seconda cifra: protezione contro l'acqua	
IP		IP	
0		0	Non protetto
1		1	Protetto contro la caduta verticale di gocce d'acqua (condensa)
2		2	Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15°
3		3	Protetto contro la caduta verticale di pioggia con un'inclinazione fino a 60°
4		4	Protetto contro gli spruzzi d'acqua da tutte le direzioni
5		5	Protetto contro i getti d'acqua da tutte le direzioni
6		6	Totalmente protetto contro i getti d'acqua potenti
7		7	Protetto contro gli effetti dell'immersione
8		8	Protetto contro gli effetti dell'immersione continua in condizioni specificate

Cd (p)

— Intensità luminosa di picco con cupola incolore

Luce trasmessa		/ 6 / 5 / 2 / 3 / 4 / 1
		100% 90% 70% 26% 20% 12%
		100% 87% 62% 21% 25% 16%

LEGEND

LUXOR: MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS



VOLTAGE	TYPE OF BULB	LED BULB	CURRENT	NET FREQUENCY
V 12-24-110-230-240 ($\pm 10\%$)	Ba 9s 4W	Ba 9s LD 103	DC	50/60 Hz
Flash/min. 0 - 110 ± 20	IP 54	---	AC	
FLASHES OR ROTATIONS PER MINUTE Flash/min or r.p.m.	LIGHT DIFFUSION	1 2 3 4 5 6 PC	SELF-EXTINQUISHING	CONTINUOUS OPERATION
IP RATING: SOLID BODIES AND WATER LUMINOUS SECTION: AS INDICATED ACOUSTIC SECTION LX1 - LX2: IP40 ACOUSTIC SECTION LX3 - LX4: IP30	INSULATION CLASS II	DOME COLOURS	DOME MATERIAL PC: POLYCARBONATE	OPERATING TEMPERATURE RANGE
		COLOUR CODE 1 = BLUE 2 = AMBER 3 = RED 4 = GREEN	5 = YELLOW 6 = CLEAR 7 = LIGHT BLUE 8 = GREEN EXL	SINGLE SOUND INTERMITTENT SOUND

MATERIALS

BASES : POLYPHENYLENE (PPE)
RIGID EXTENSIONS: STAINLESS STEEL
FLEXIBLE EXTENSIONS: STEEL
BASES FOR TUBE: POLYPHENYLENE (PPE)
MULTIPLE COMBINABLE BASES: POLYPHENYLENE (PPE)
JUNCTION BOX: POLYPHENYLENE (PPE)

TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

DIRECT CURRENT VOLTAGE	ALTERNATING CURRENT VOLTAGE
V ---	12 24 110 230 240
V ~	12 24 110 230 240
Bulb mA	330 130 35 25 20
Luminous element Cd(p)	3 3 2 2 2
LED bulb mA	82 43 16 17 17
Acoustics mA	10 14 5 5 5
dB(A) 1 m	70 70 70 70 70
Hz	3200

DEGREE OF PROTECTION (EN 60529)

First digit: protection against accidental contact and penetration by solid foreign bodies		Second digit: protection against penetration of liquids
IP		
0		No particular protection
1		Protection against solid bodies over 50 mm and against contacts by large surfaces of the human body (e.g. the hands)
2		Protection against solid bodies over 12,5 mm and against finger contact
3		Protection against solid bodies over 2,5 mm e.g. tools, wires
4		Protection against penetration of solid bodies with a diameter or thickness over 1 mm e.g. wires
5		Dust penetration is not fully excluded, but the quantity that penetrates causes no damaging effects.
6		No dust penetration is permitted
7		Protection against the effects of immersion
8		Protection against the effects of prolonged immersion under pressure

Cd (p)	- Peak luminous intensity with clear dome
--------	---

Light transmission	/	6	5	2	3	4	1
	100%	90%	70%	26%	20%	12%	
	100%	87%	62%	21%	25%	16%	

LEGENDE

LUXOR: TECHNISCHE UND FUNKTIONELLE HAUPTMERKMALE DER PRODUKTE

SPANNUNG	LAMPENTYP	LED-LEUCHTMittel	STROMART	NETZFREQUENZ
V 12-24-110-230-240 ($\pm 10\%$)	Ba 9s 4W	Ba 9s LD 103	— DC (Gleichstrom)	~ AC (Wechselstrom)
Flash/min. 0 - 110 ± 20	IP 54	— / —	—	~ 50/60 Hz
BLITZE ODER UMDREHUNGEN PRO MINUTE Flash/min oder r.p.m.	1 2 3 4 5	PC	SELBSTLÖSCHEND	DAUERBETRIEB
LICHTSTRÄHLUNG	ISOLATIONSKLASSE II	HAUBENFARBEN	HAUBENMATERIAL PC: POLYKARBONAT	BETRIEBSTEMPERATUR
IP-SCHUTZART: FESTE FREMDKÖRPER-WASSER OPTISCHER TEIL: WIE ANGEgeben AKUSTISCHER TEIL LX1 - LX2 : IP40 AKUSTISCHER TEIL LX3 - LX4 : IP30	FARBEN-KODE	5 = ZITRONENGELB 6 = FARBLOS 7 = HELL-BLAU 8 = GRÜN EXL	— LINEARE TONFOLGE --- UNTERBROCHENE TONFOLGE	

MATERIALIEN

SOCKEL : POLYPHENYLENE (PPE)
 STANDROHRE : ROSTFREIER STAHL
 FLEXIBLE ROHRE : STAHL
 GESTELLE FÜR ROHR : POLYPHENYLENE (PPE)
 MEHRFACHSOCKEL : POLYPHENYLENE (PPE)
 KLEMMKASTEN : POLYPHENYLENE (PPE)

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE

STROMVERBRAUCH A=Ampere 1mA=0,001A	SPANNUNG GLEICHSTROM	SPANNUNG WECHSELSTROM
	V —	12 24 110 230 240
mA Leuchtmittel	V ~	12 24 110 230 240
	330 130 35 25 20	
Cd (p) Lichtelement	3 3 2 2 2	
mA LED-Leuchtmittel	82 43 16 17 17	
mA Akustik	10 14 5 5 5	
dB(A) 1 m	70 70 70 70 70	
Hz		3200
		TONFREQUENZ IN HERTZ

SCHUTZARTEN (EN 60529)

Erste Ziffer: Schutz gegen feste Fremdkörper			Zweite Ziffer: Wasserschutz		
IP			IP		
0		Kein Schutz	0		Kein Schutz
1		Schutz gegen feste Fremdkörper 50 mm Durchmesser (z.B. Berührung mit Händen)	1		Schutz gegen senkrecht tropfendes Wasser
2		Schutz gegen feste Fremdkörper 12,5 mm Durchmesser (z.B. Berührung mit Fingern)	2		Schutz gegen schräg (15°) tropfendes Wasser
3		Schutz gegen feste Fremdkörper 2,5 mm Durchmesser (z.B. Berührung mit Werkzeugen)	3		Schutz gegen Sprühwasser schräg bis (60°)
4		Schutz gegen feste Fremdkörper 1 mm Durchmesser (z.B. Berührung mit einem Draht)	4		Schutz gegen Spritzwasser aus allen Richtungen
5		Staubgeschützt	5		Schutz gegen Strahlwasser
6		Staubdicht	6		Schutz gegen starkes Strahlwasser
7			7		Schutz gegen zeitweiliges Untertauchen in Wasser
8			8		Schutz gegen dauerndes Untertauchen in Wasser

Cd (p)	— Spitzwert der Lichtstärke mit farbloser Haube
--------	---

Lichtdurchlässigkeit	/	6	5	2	3	4	1
		100%	90%	70%	26%	20%	12%
		100%	87%	62%	21%	25%	16%

LEYENDA

LUXOR: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

VOLTAJE	TIPO DE LÁMPARA	LÁMPARA DE LED	CORRIENTE	FRECUENCIA DE RED
V 12-24-110-230-240 ($\pm 10\%$)	Ba 9s 4W	Ba 9s LD 103	— DC (continua)	50/60 Hz
Flash/min. 0 - 110 ± 20	IP 54	— / —	~ AC (alterna)	
DESTELLOS O VUELTAS POR MINUTO Flash/min o r.p.m.	CLASE II DE AISLAMIENTO	PC	AUTOEXTINGUIBLE	
PROPAGACIÓN DE LA LUZ	COLORES DE LA CÚPULA	MATERIAL CÚPULA PC: POLICARBONATO	TEMPERATURA OPERATIVA	SERVICIO CONTINUO
GRADO DE IP: CUERPO SÓLIDOS Y AGUA SECCIÓN LUMINOSA: TAL COMO INDICAMOS SECCIÓN ACÚSTICA: LX1 - LX2: IP40 SECCIÓN ACÚSTICA: LX3 - LX4: IP30	CÓDIGO COLOR 1 = AZUL 2 = NARANJA 3 = ROJO 4 = VERDE	5 = AMARILLO 6 = NEUTRO 7 = AZUL CLARO 8 = VERDE EXL	SONIDO LINEAL SONIDO INTERMITENTE	

INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

MATERIALES

BASES : POLIFENILENE (PPE)
PROLONGADORES RÍGIDOS: ACERO INOX
PROLONGADORES FLEXIBLES: ACERO
BASES PARA SOPORTE TUBULAR: POLIFENILENE (PPE)
BASES MÚLTIPLES COMBINABLES: POLIFENILENE (PPE)
CAJA DE CONEXIÓN: POLIFENILENE (PPE)

VOLTAJE CORRIENTE CONTINUA	12	24	110	230	240
V —	12	24	110	230	240
V ~	12	24	110	230	240
mA lámpara	330	130	35	25	20
Cd (p) elemento luminoso	3	3	2	2	2
mA lámpara de LED's	82	43	16	17	17
mA acústica	10	14	5	5	5
dB(A) 1 m	70	70	70	70	70
Hz	3200				
	FRECUENCIA SONIDO EN HERTZIO				

ÍNDICES DE PROTECCIÓN (EN 60529)

1º cifra: protección contra los cuerpos sólidos		2º cifra: protección contra los cuerpos líquidos	
IP		IP	
0		0	Sin protección
1		1	Protegido contra las caídas verticales de gotas de agua (condensación)
2		2	Protegido contra las caídas de agua hasta 15° de la vertical
3		3	Protegido contra el agua de lluvia hasta 60° de la vertical
4		4	Protegido contra las proyecciones de agua en todas direcciones
5		5	Protegido contra el lanzamiento de agua en todas direcciones
6		6	Protegido contra el lanzamiento de agua similar a los golpes de mar
7		7	Protegido contra la inmersión
8		8	Protegido contra los efectos prolongados de inmersión bajo presión

Cd (p) — intensidad luminosa de pico con cúpula incolora	Transmisión de luz	/	6	5	2	3	4	1
			100%	90%	70%	26%	20%	12%
			100%	87%	62%	21%	25%	16%



LUXOR

LINEA DI SEGNALATORI LUMINOSI E ACUSTICI RIVOLTA IN PARTICOLARE ALL'AUTOMAZIONE

RANGE OF LUMINOUS AND ACOUSTIC WARNING SYSTEMS DEVELOPED ESPECIALLY FOR AUTOMATION

LIGNE DE DISPOSITIFS LUMINEUX ET ACOUSTIQUES DESTINEE SPECIALEMENT A L'AUTOMATION

AKUSTISCHE UND OPTISCHE WARNSYSTEME BESONDERS FÜR DIE AUTOMATISIERUNG GEDACHT

GAMA DE SEÑALADORES LUMINOSOS Y ACÚSTICOS EXPRESAMENTE DISEÑADA PARA LA AUTOMATIZACIÓN

4 Dimensioni

Dimensions

Dimensions

Größen

Dimensiones



LX1
Ø 45 mm



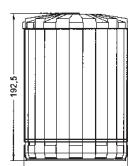
LX2
Ø 65 mm



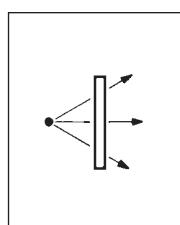
LX3
Ø 90 mm



LX4
Ø 90 mm



LX4
Ø 136 mm

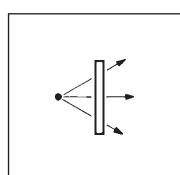


Luce lampeggiante o fissa pilotata elettronicamente

C

Blinking or continuous light with electronics
Lumière clignotante ou fixe avec électronique
Blink- oder Dauerlicht mit Elektronik
Luz intermitente o fija con electrónica

LX1 - LX2 - LX3 - LX4

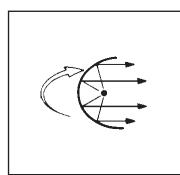


Luce fissa senza elettronica

F

Continuous light without electronics
Lumière fixe sans électronique
Dauerlicht ohne Elektronik
Luz fija sin electrónica

LX1 - LX2 - LX3 - LX4

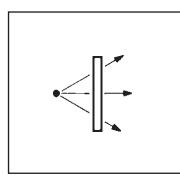


Luce rotante

R

Rotating beacon
Feu tournant
Drehspiegelleuchte
Luz rotativa

LX4

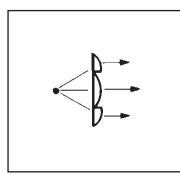


Luce a ballottaggio

B

Alternating light
Lumière en alternance
Wechselblinklicht
Luz alternada

LX1 - LX2 - LX3 - LX4

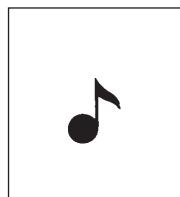


Luce a flash

X

Xenon flashing beacon
Feu à éclats
Blitzleuchte
Luz de destellos

LX2 - LX3 - LX4



Acustica con suono fisso e intermittente

Acoustics with single and intermittent sound
Acoustique avec son linéaire et intermittent
Akustik mit aussetzender und linearer Tonfolge
Acústica con sonido lineal e intermitente

LX1 - LX2 - LX3 - LX4





SICUREZZA DI ESERCIZIO

Il LUXOR nelle versioni a colonna ha una serie di dispositivi di sicurezza:

- scheda portalampade multipla brevettata con taglio dell'alimentazione all'apertura dell'apparecchio, che permette la sostituzione delle lampadine in assenza di tensione sulla scheda, pur con colonna e quindi macchina alimentate
- distanza fra le piste del circuito secondo norme internazionali
- lampadine con zoccolo a baionetta per innesto rapido ed antisvitamento
- resistenze di protezione a livello di portalampada per evitare corto circuiti in caso di rottura del filamento
- contatti di innesto della scheda scalati fra loro per evitare che tutte le stazioni vengano alimentate simultaneamente con eventuale danneggiamento del circuito elettronico

I LUXOR nelle versioni singole hanno una protezione per l'inaccessibilità totale alla zona in tensione per consentire la sostituzione della lampadina con apparecchio installato in completa sicurezza per l'operatore.

RAPIDITÀ E FLESSIBILITÀ DI MONTAGGIO

Il LUXOR è l'unico prodotto che offre un sistema di fissaggio flessibile tramite piedini ad innesto rapido in posizioni non vincolate sui 360°.

Un foglio di istruzioni per il montaggio meccanico con dima di foratura e con schema dei

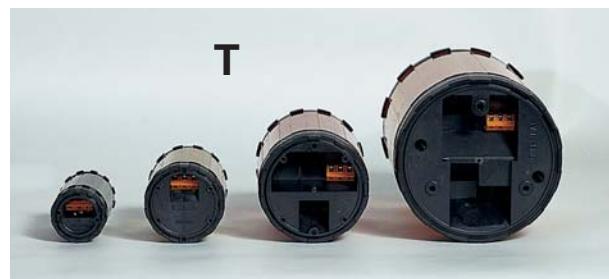
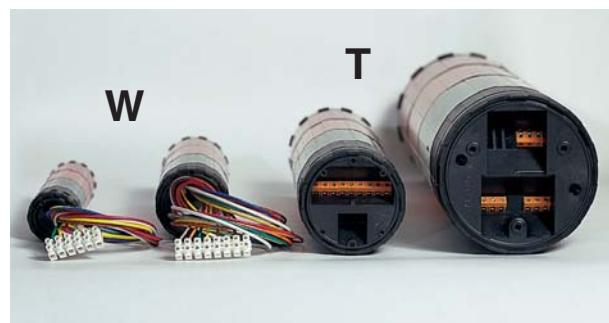


collegamenti per il cablaggio accompagna ogni LUXOR.

Le configurazioni contraddistinte dalla lettera **T** sono dotate di **morsettiera alloggiata nella base**, per un facile collegamento.

Le configurazioni contraddistinte dalla lettera **W** sono dotate di **cavi che terminano con una morsettiera**.

È disponibile una scatola di giunzione per un più agevole collegamento elettrico e l'uscita laterale dei cavi. Può essere fornita separatamente come accessorio oppure montata e cablata.



SECURITY AND SAFETY IN OPERATION

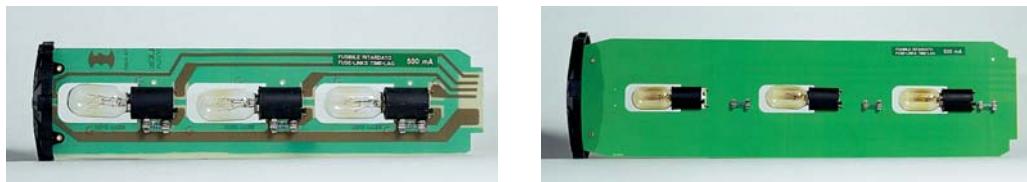
The column versions of LUXOR offer a series of safety characteristics:

- Patented Multiple PCB with incorporated bulbs that cuts the power when the appliance is opened. Bulb replacement is, therefore, made in total safety, notwithstanding the fact that the column and the machine are powered
- spaces kept between the tracks of the circuit, according to international regulations
- unscrewable bayonet bulbs for quick mounting
- lampholder with internal resistance to avoid short circuit in case of filament breakage
- the tracks of the PCB are scaled to avoid all elements being powered simultaneously with eventual damage to the electronic circuit.

In the single element version, safety due to inaccessibility to any area under current allows bulb replacement to be done in total safety to the operator.

FLEXIBLE AND FAST ASSEMBLY

LUXOR is the only product which offers a flexible assembly system within 360°, by providing separate clamp-on feet. Each LUXOR is supplied with an instruction sheet and connection diagram for the me-

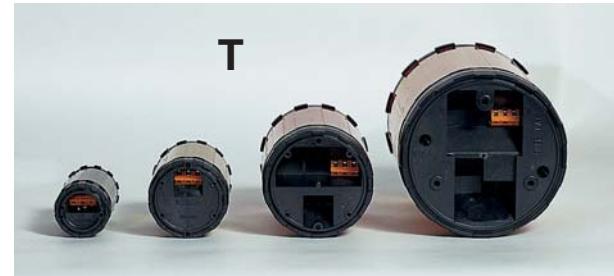
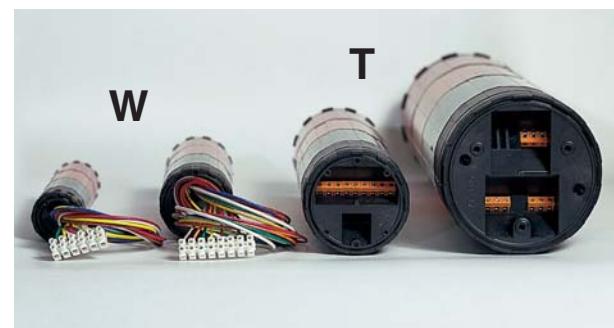


chanical and electrical installation (a drilling template is also included).

The configurations distinguished by the letter **T** are fitted with a **terminal block** placed in the base for easy connection.

The configurations distinguished by the letter **W** are fitted with a **cable that has a terminal block at the end**.

A junction box is available for an easier wiring and a side outlet for cables. It can be supplied as a separate accessory or already fitted and connected.



SECURITE D'EXPLOITATION

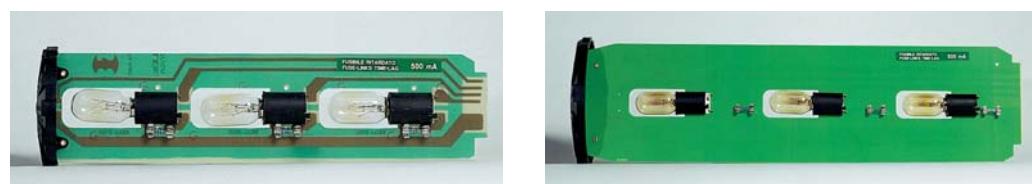
Le LUXOR dans les versions en colonne a été conçu avec une série de dispositifs de sécurité :

- fiche porte ampoule multiple brevetée avec coupure de l'alimentation à l'ouverture de l'appareil qui permet le remplacement des ampoules en absence de tension sur la fiche même si la colonne est sur la machine alimentée
- distance entre les pistes du circuit selon normes internationales
- lampes avec culot à baïonnette pour montage rapide qui évite le dévissage
- résistance de protection au niveau de la douille pour éviter les court-circuits en cas de coupure du filament
- les pistes de la fiche sont proportionnées pour éviter que l'alimentation simultanée des éléments puisse endommager le circuit électrique.

Les LUXOR seuls sont protégés pour l'inaccessibilité totale aux zones sous tension afin de permettre à l'opérateur de changer l'ampoule en complète sécurité.

RAPIDITE ET SOUPLESSE DE MONTAGE

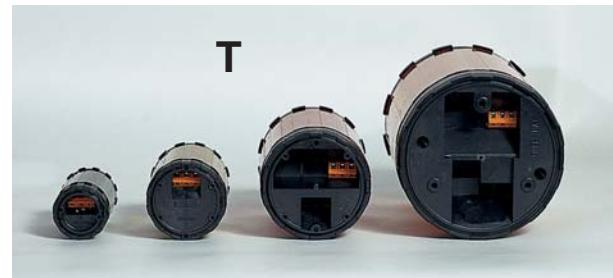
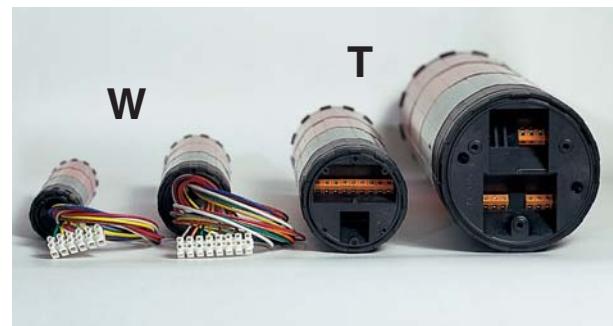
Le LUXOR est le seul produit qui offre un système d'installation flexible grâce aux pieds de fixation à encastrement en positions libres sur les 360°. Les configurations marquées



par la lettre **T** sont équipées de **bornier placé dans la base** qui permet le raccordement facile.

Les configurations marquées par la lettre **W** sont équipées de **câbles ayant un bornier à leur extrémité**.

Un boîtier de raccordement est disponible pour un branchement plus facile et la sortie latérale des câbles. Il peut être fourni comme accessoire séparé ou déjà monté et branché.



BETRIEBSSICHERHEIT

Die LUXOR-Serie in den Turm-Ausführungen wurde mit einigen Sicherheitsvorrichtungen entwickelt:

- patentierte, mehrfache Lampenhalterplatine mit automatischer Abschaltung des Stromes bei Öffnung des Apparates, welche das gefahrlose Ausswechseln der Leuchtmittel ermöglicht. Dies erfolgt bei spannungsfreier Platine, ohne Freischalten des Signalgerätes
- Abstand zwischen den Schaltkreisspuren nach internationalen Normen
- Bayonettschraubfassung zum raschen und rüttelfesten Verchluss
- Schutzwiderstände an der Lampenhalterung, um beim Bruch des Glühdrahtes den Kurzschluß zu vermeiden
- stufenförmige Steckkontakte der Platine, um zu vermeiden, daß alle Stationen gleichzeitig gespeist werden und der elektronische Schaltkreis beschädigt.

Bei den Einzelleuchten ist die Platine berührungssicher abgedeckt, um auch beim Leuchtmittelwechsel die Sicherheit zu erhalten.

RASCHE UND FLEXIBLE MONTAGE

LUXOR ist die einzige Leuchte mit einem Befestigungssystem mit schnelleinklemmbaren Befestigungsfüßchen, welche nicht an eine Position auf 360° gebunden sind.

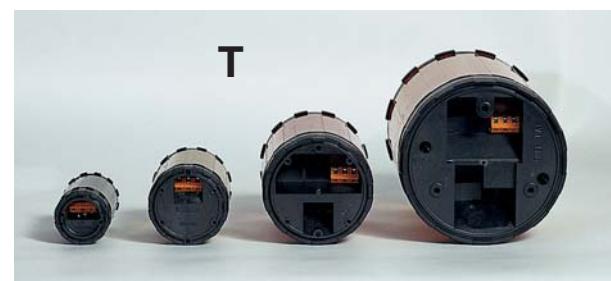
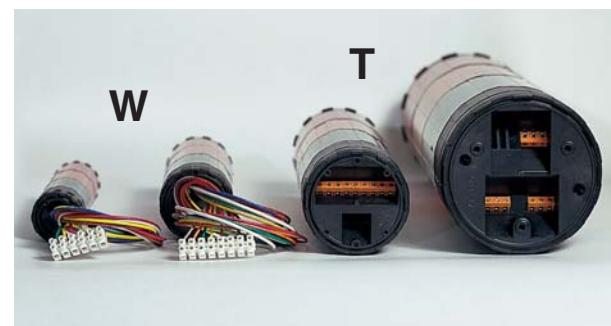
Ein Merkblatt für die Montage, komplett mit Bohrschablone und Verkabelungsschema liegt jeder LUXOR-Leuchte bei.



Die Standardzusammenstellungen, gekennzeichnet mit dem Buchstaben **T**, sind mit **im Sockel untergebrachtem Klemmbrett** für den einfachen Anschluß versehen.

Die Standardzusammenstellungen, gekennzeichnet mit dem Buchstaben **W**, sind mit einer längeren **Verkabelung** versehen, die außerhalb der Geräte **mit einem Klemmbrett endet**.

Ein Klemmkasten erleichtert die Verkabelung und hat eine seitliche Kabeldurchführung. Die Lieferung erfolgt entweder einzeln als Zubehör oder montiert und verkabelt.



SEGURIDAD DE FUNCIONAMIENTO

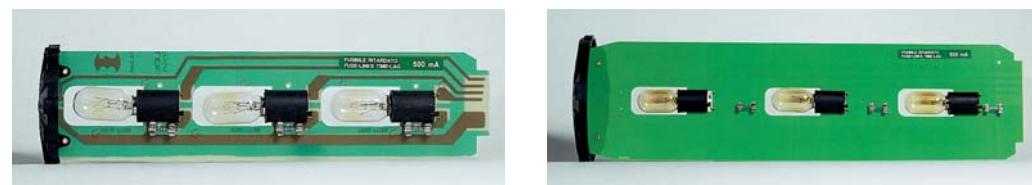
El LUXOR en sus versiones de columna ha sido proyectado con una serie de dispositivos de seguridad, tales como:

- placa porta-lámparas múltiple patentada con interrupción de la alimentación a laertura del aparato que permite la sustitución de las lámparas sin corte de tensión
- distancia entre las pistas del circuito según normas internacionales
- lámpara de bayoneta para enganche rápido antivibraciones
- resistencias de protección al nivel del portalámparas para evitar cortocircuitos, en caso de defectos en el filamento
- contactos especiales para introducción de láminas, a fin de evitar que todas las estaciones sean alimentadas al mismo tiempo, evitando daños en el circuito electrónico.

El LUXOR, en su versión simple, lleva incorporada una protección para la inaccesibilidad total a la zona en tensión, permitiendo la sustitución de la lámpara por parte del operario con total seguridad.

RAPIDEZ Y FLEXIBILIDAD DE MONTAJE

El LUXOR es el único producto que ofrece un sistema de montaje flexible por medio de elementos de fijación de encaje rápido en posiciones no vinculadas en los 360 grados. Cada LUXOR es acompañado por un folleto de instrucciones para el montaje mecánico, completo de calibre de comprobación,

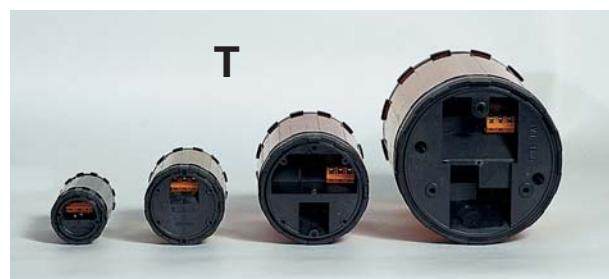
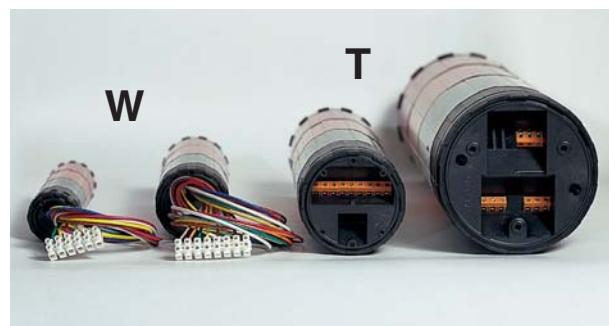


ción, esquema de conexión para el cableado.

Las configuraciones señaladas con la letra "T" están provistas de **regleta de conexión eléctrica, alojada en la base**, para una fácil conexión.

Las configuraciones señaladas con la letra "W" están provistas de **cables que terminan con una regleta de conexión eléctrica**.

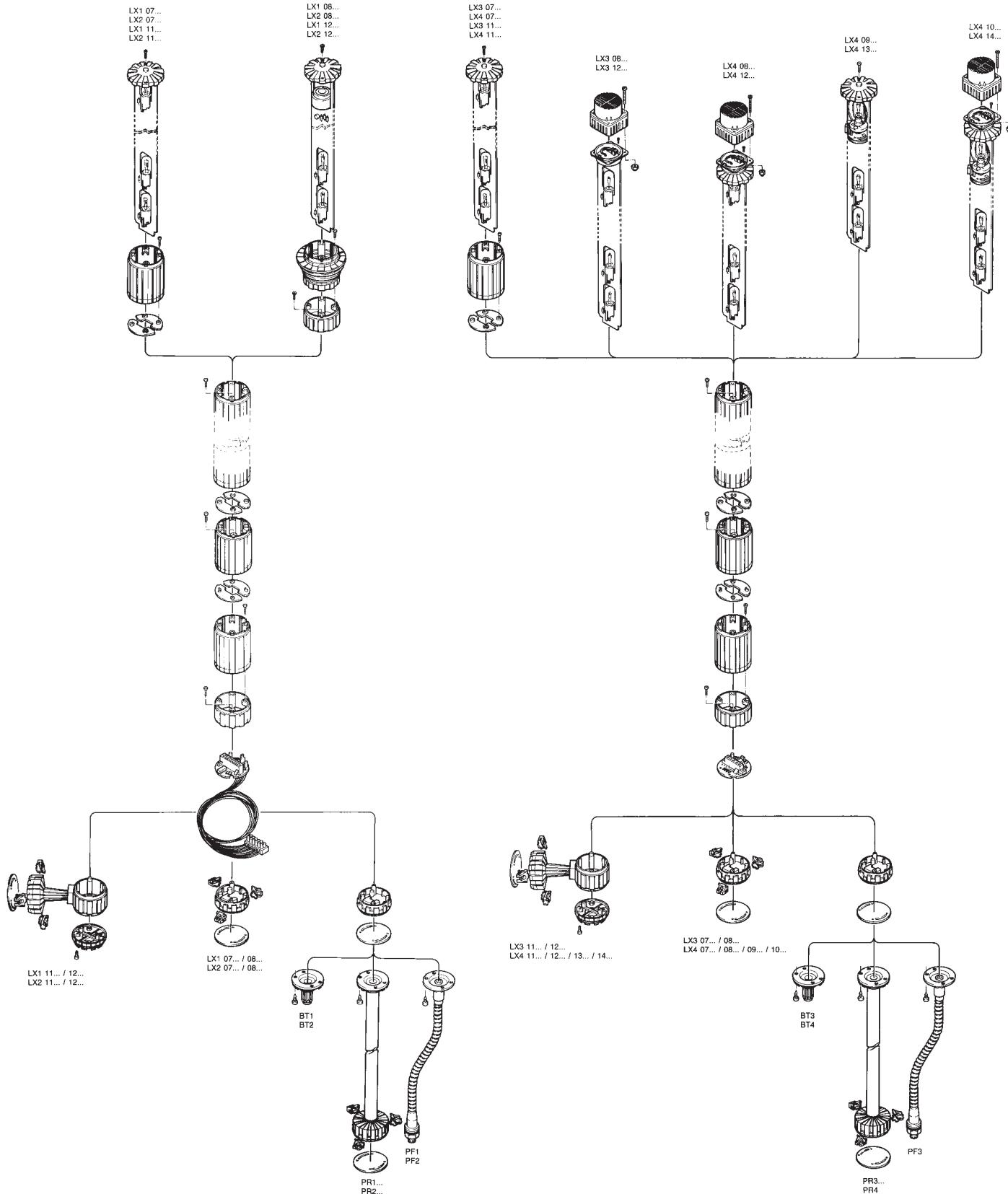
Se provee una caja de conexiones para una instalación eléctrica más fácil y la salida lateral de los cables. Se entrega como accesorio separado o ya montada y conectada.



COLONNE LUXOR MONTAGGIO

I due disegni esplosi illustrano la composizione delle colonne luminose LUXOR nelle loro quattro dimensioni.

All'interno della base è alloggiato il circuito per il pilotaggio degli elementi luminosi e luminosi con acustica in maniera fissa, (codice F), o in maniera intermittente o fissa (codice C).



LUXOR COLUMNS - ASSEMBLY

The 2 "blown-up" drawings illustrate the combinations of LUXOR luminous columns in their 4 sizes. A circuit is placed in the base for piloting both the luminous elements and the luminous and acoustic elements, continuous (code F) or intermittent or continuous (code C).

COLONNES LUXOR - MONTAGE

Les dessins éclatés montrent la composition des colonnes lumineuses LUXOR dans les quatre dimensions. A l'intérieur de la base est placé le circuit pour le pilotage des éléments lumineux et lumineux avec acoustique de façon fixe (code F) ou intermittente (code C).

LUXOR SIGNALSÄULEN - MONTAGE

Die angegebenen Beispiele stellen die Zusammensetzung der Lichtsäulen LUXOR in ihren Größen dar. Im Sockel ist der Steuerschaltkreis der Lichtelemente und der Lichtelemente mit Dauerton (Code F) und Dauer- oder Wechselton (Code C) untergebracht.

COLUMNAS LUXOR - MONTAJE

Los dos diseños expuestos ilustran la composición de las columnas luminosas LUXOR en sus cuatro dimensiones. En la base es alojado el circuito para el mando de los elementos luminosos y luminosos con acústica fijos (código F) o intermitentes o fijos (código C).

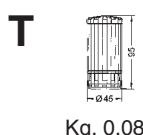
LX1 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

 BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE /
 BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

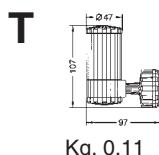
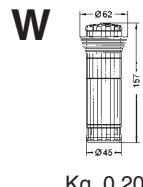
V 12-24-110-230-240 ($\pm 10\%$)	 Ba9s 4W	 Ba9s LD 103	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54	 	/---	°C -30 +40 On 
		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUISH SELBSTLOSCHEND AUTOEXTINGUIBLE
V =		12	24	110 230 240
V ~		12	24	110 230 240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara		330	130	35 25 20
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux Cd(p) Lichtelement / Cd(p) elemento luminoso		3	3	2 2 2
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's		82	43	16 17 17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica		10	14	5 5 5
dB(A) 1m		70	70	70 70 70
Hz				3200


LX1 010 C

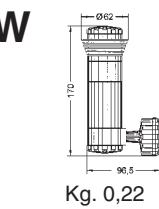
LX1010C12DA1	10000	LX1010C24DA5	10010	LX1010C230A3	10020
LX1010C12DA2	10001	LX1010C24DA6	10011	LX1010C230A4	10021
LX1010C12DA3	10002	LX1010C110A1	10012	LX1010C230A5	10022
LX1010C12DA4	10003	LX1010C110A2	10013	LX1010C230A6	10023
LX1010C12DA5	10004	LX1010C110A3	10014	LX1010C240A1	10024
LX1010C12DA6	10005	LX1010C110A4	10015	LX1010C240A2	10025
LX1010C24DA1	10006	LX1010C110A5	10016	LX1010C240A3	10026
LX1010C24DA2	10007	LX1010C110A6	10017	LX1010C240A4	10027
LX1010C24DA3	10008	LX1010C230A1	10018	LX1010C240A5	10028
LX1010C24DA4	10009	LX1010C230A2	10019	LX1010C240A6	10029


LX1 040 C

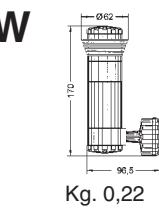
LX1040C24DA2	10557	LX1040C110A3	10564	LX1040C240A2	10575
LX1040C24DA3	10558	LX1040C230A2	10569	LX1040C240A3	10576
LX1040C110A2	10563	LX1040C230A3	10570		


LX1 080 C
IP 40


LX1080C12D6	11315	LX1080C24A3	11330	LX1080C230A3	11342
LX1080C24D1	11316	LX1080C24A4	11331	LX1080C230A4	11343
LX1080C24D2	11317	LX1080C24A5	11332	LX1080C230A5	11344
LX1080C24D3	11318	LX1080C24A6	11333	LX1080C240A1	11346
LX1080C24D5	11320	LX1080C110A3	11336	LX1080C240A2	11347
LX1080C24A2	11329	LX1080C110A5	11338	LX1080C240A5	11350

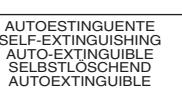

LX1 120 C
IP 40


LX1120C12A2	12353	LX1120C110A3	12366	LX1120C230A4	12373
LX1120C12A3	12354	LX1120C110A5	12368	LX1120C240A2	12377
LX1120C12A4	12355	LX1120C230A2	12371		
LX1120C12A3	12360	LX1120C230A3	12372		

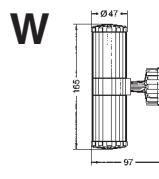

210


1 2 3 4 5 6

PC

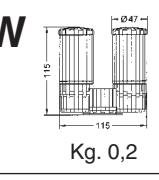

LX1 060 C

LX1060C12DA34	14799
LX1060C24DA34	14345
LX1060C110A34	14630
LX1060C230A22	10923

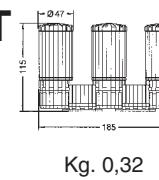


LX1150C24D22	12827
LX1150C24A22	12829
LX1150C230A22	12831
LX1150C230A35	14186

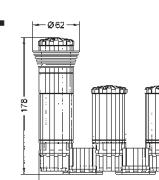
LX1030C24D21	14575
LX1030C24D34	10361
LX1030C110A34	10362



LX1160C110A23	14935
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LX1031C24D124	16205
LX1031C24D324	10426
LX1031C24D354	16262
LX1031C24A324	10423
LX1031C110A324	10427



LX1161C24D324	13001
LX1161C24A324	12999
LX1161C230A324	13003



LX1 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	Ba9s 4W	Ba9s LD 103	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54	— / ---	°C -30 +40	On ∞



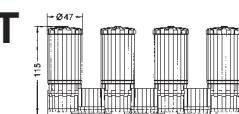
AUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE

V =	12	24	110	230	240
V ~	12	24	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	330	130	35	25	20
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3	2	2	2
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	16	17	17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	10	14	5	5	5
dB(A) 1m	70	70	70	70	70
Hz	3200				



LX1 032 C

LX1032C24D3214 10461 LX1032C24A3214 10459
LX1032C24D4352 14572 LX1032C230A3214 10463

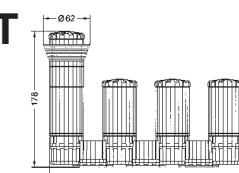


Kg. 0,5



LX1 162 C

IP 40
LX1162C24D3214 13061

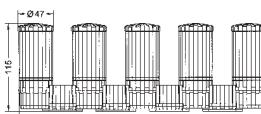


Kg. 0,54



LX1 033 C

LX1033C240A32154 10504

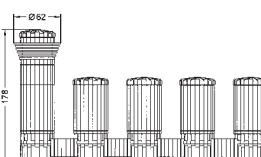


Kg. 0,58



LX1 163 C

IP 40
LX1163C24D32154 13121

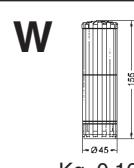


Kg. 0,67



LX1 070 C

LX1070C12D34 11040 LX1070C110A34 11044
LX1070C24D23 14179 LX1070C110A53 16209
LX1070C24D34 11041 LX1070C230A32 14319
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LX1070C110A15 14798

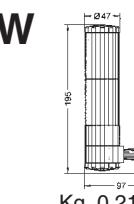


Kg. 0,16



LX1 110 C

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LX1110C230A32 14468 LX1110C240A34 12120

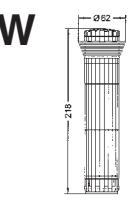


Kg. 0,21



LX1 081 C

IP 40
LX1081C24A32 14352 LX1081C110A34 11614
LX1081C24A34 11613 LX1081C230A34 11615
LX1081C24D34 11611



Kg. 0,24

LX1 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

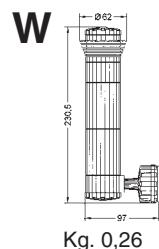
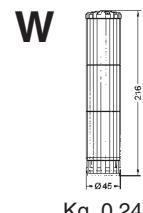
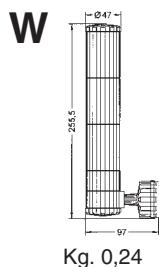
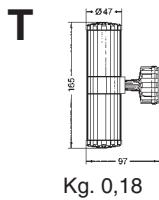
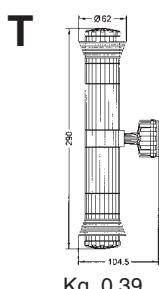
BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK-ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

LX1 B - LUCE A BALLOTTAGGIO

ALTERNATING LIGHT / LUMIERE EN ALTERNANCE / WECHSELBLINKLICHT / LUZ ALTERNADA

V 12-24-110-230-240 ($\pm 10\%$)	 Ba9s 4W	Ba9s LD 103	= = =	 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54	 	/ ---	°C -30 +40 On ∞
		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING SELBSTLOSCHEND AUTOEXTINGUIBLE
V = = =			12 24 110 230 240	
V \sim			12 24 110 230 240	
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara		330 130 35 25 20		
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3 2 2 2		
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43 16 17 17		
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	10	14 5 5 5		
dB(A) 1m	70	70 70 70 70		
Hz			3200	


IP 40
LX1 121 C

 LX1121C24A34 12633
 LX1121C230A34 12635
 LX1121C240A34 12636

 LX1071C12D324 11140
 LX1071C24D123 14254
 LX1071C24D154 14834
 LX1071C24D324 11141
 LX1071C24D354 14137
 LX1071C24A324 11143
 LX1071C24A354 14378
 LX1071C110A324 11144
 LX1071C230A156 14739
 LX1071C230A324 11145
 LX1071C230A354 14139
 LX1071C240A354 14716

 LX1111C12A324 12221
 LX1111C12D324 12220
 LX1111C24D324 12222
 LX1111C24A324 12223
 LX1111C24A346 14443
 LX1111C24A356 14792
 LX1111C110A324 12224
 LX1111C230A324 12225
 LX1111C240A324 12226

 LX1060B12D22 10925
 LX1060B24D22 10926
 LX1060B110A22 10929

 LX1150B12DA22 12836
 LX1150B230A22 12838

LX1 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

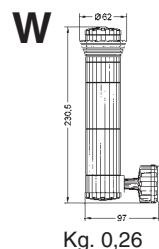
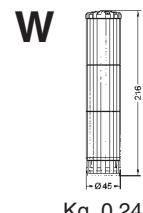
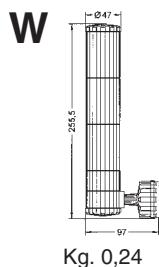
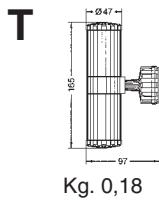
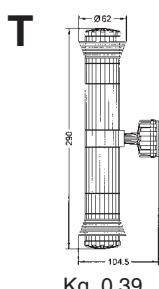
BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK-ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

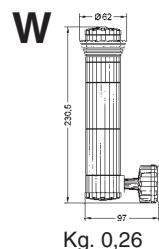
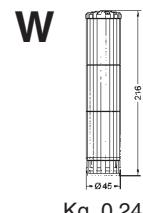
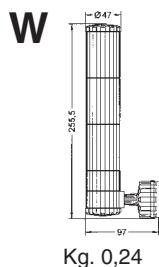
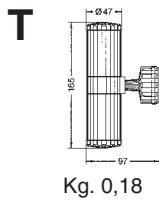
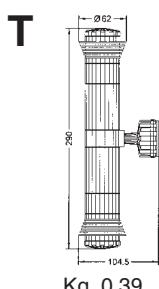
LX1 B - LUCE A BALLOTTAGGIO

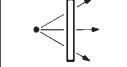
ALTERNATING LIGHT / LUMIERE EN ALTERNANCE / WECHSELBLINKLICHT / LUZ ALTERNADA

V 12-24-110-230-240 ($\pm 10\%$)	 Ba9s 4W	Ba9s LD 103	= = =	 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54	 	/ ---	°C -30 +40 On ∞
		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING SELBSTLOSCHEND AUTOEXTINGUIBLE
V = = =			12 24 110 230 240	
V \sim			12 24 110 230 240	
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara		330 130 35 25 20		
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3 2 2 2		
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43 16 17 17		
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	10	14 5 5 5		
dB(A) 1m	70	70 70 70 70		
Hz			3200	

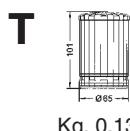

IP 40
LX1 121 C

 LX1121C24A34 12633
 LX1121C230A34 12635
 LX1121C240A34 12636

 LX1071C12D324 11140
 LX1071C24D123 14254
 LX1071C24D154 14834
 LX1071C24D324 11141
 LX1071C24D354 14137
 LX1071C24A324 11143
 LX1071C24A354 14378
 LX1071C110A324 11144
 LX1071C230A156 14739
 LX1071C230A324 11145
 LX1071C230A354 14139
 LX1071C240A354 14716

 LX1111C12A324 12221
 LX1111C12D324 12220
 LX1111C24D324 12222
 LX1111C24A324 12223
 LX1111C24A346 14443
 LX1111C24A356 14792
 LX1111C110A324 12224
 LX1111C230A324 12225
 LX1111C240A324 12226

 LX1060B12D22 10925
 LX1060B24D22 10926
 LX1060B110A22 10929

 LX1150B12DA22 12836
 LX1150B230A22 12838

IP 40
LX1 121 C

 LX1121C24A34 12633
 LX1121C230A34 12635
 LX1121C240A34 12636

 LX1071C12D324 11140
 LX1071C24D123 14254
 LX1071C24D154 14834
 LX1071C24D324 11141
 LX1071C24D354 14137
 LX1071C24A324 11143
 LX1071C24A354 14378
 LX1071C110A324 11144
 LX1071C230A156 14739
 LX1071C230A324 11145
 LX1071C230A354 14139
 LX1071C240A354 14716

 LX1111C12A324 12221
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 LX1111C240A324 12226

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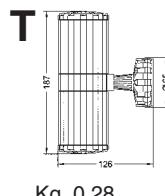
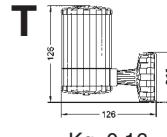
V 12-24-110-230-240 ($\pm 10\%$)	 Ba9s 10W	Ba9s LD 103	---	 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54		 — / ---	°C -30 +40
			PC	On ∞

V ---	12	24	110	230	240
V ~	12	24	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	90	50	45
Cd(p) elemento luminoso Luminous element Cd(p) / Cd(p) élément lumineux	3	3	2	2	2
mA lampada LED LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	16	17	17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14	5	5	5
dB(A) 1m	80	80	80	80	80
Hz	2600				


LX2 010 C


LX2010C12DA1	10030	LX2010C24DA5	10040	LX2010C230A3	10050
LX2010C12DA2	10031	LX2010C24DA6	10041	LX2010C230A4	10051
LX2010C12DA3	10032	LX2010C110A1	10042	LX2010C230A5	10052
LX2010C12DA4	10033	LX2010C110A2	10043	LX2010C230A6	10053
LX2010C12DA5	10034	LX2010C110A3	10044	LX2010C240A1	10054
LX2010C12DA6	10035	LX2010C110A4	10045	LX2010C240A2	10055
LX2010C24DA1	10036	LX2010C110A5	10046	LX2010C240A3	10056
LX2010C24DA2	10037	LX2010C110A6	10047	LX2010C240A4	10057
LX2010C24DA3	10038	LX2010C230A1	10048	LX2010C240A5	10058
LX2010C24DA4	10039	LX2010C230A2	10049	LX2010C240A6	10059

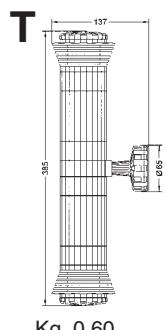
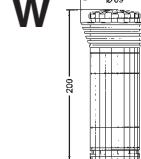
LX2060C12DA54	14863
LX2060C24DA32	10936
LX2060C24DA34	14312
LX2060C110A22	10942
LX2060C230A22	10943
LX2060C230A34	14346


LX2 040 C


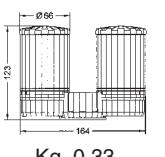
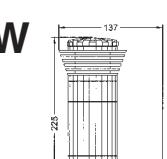
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LX2040C12DA3	10582	LX2040C24DA5	10590	LX2040C230A6	10603
LX2040C12DA5	10584	LX2040C110A3	10594	LX2040C240A2	10605
LX2040C24DA2	10587	LX2040C230A4	10599	LX2040C240A4	10607
LX2040C24DA3	10588	LX2040C230A3	10600		

LX2 060 C

LX2060C12DA54	14863
LX2060C24DA32	10936
LX2060C24DA34	14312
LX2060C110A22	10942
LX2060C230A22	10943
LX2060C230A34	14346


IP 40

LX2 080 C

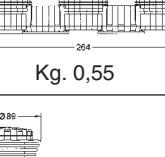
LX2030C24D23	14867
LX2030C24D34	10381
LX2030C24A34	10377
LX2030C110A32	16216


IP 40

LX2 120 C

LX2120C12D2	12383	LX2120C110A4	12397	LX2120C230A5	12404
LX2120C24A2	14011	LX2120C230A2	12401	LX2120C240A3	12408
LX2120C110A3	12396	LX2120C230A3	12402		

LX2 160 C

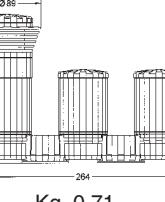
LX2160C24A34	12926
LX2160C24A35	14880


LX2 031 C

LX2031C24D142	16231
LX2031C24D324	10431
LX2031C24A324	10494
LX2031C230A324	10433

LX2 161 C

LX2161C110A324	13012
LX2161C230A324	13013

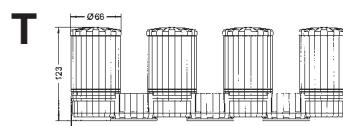


LX2 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

 BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE /
 BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	 Ba9s 10W	Ba9s LD 103	---	 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54		 / ---	°C -30 +40 On ∞
		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE
V ---			12 24	110 230 240
V 			12 24	110 230 240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	90 50	45
Cd(p) elemento luminoso Luminous element Cd(p) / Cd(p) élément lumineux Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	2 2	2
mA lampada LED LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	16 17	17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14	5 5	5
dB(A) 1m	80	80	80 80	80
Hz			2600	

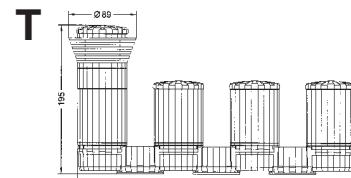

LX2 032 C

 LX2032C24D2222 14710 LX2032C110A3564 14872
 LX2032C24D3214 10466 LX2032C230A4343 14920
 LX2032C24D6342 14895
 LX2032C110A3214 10467


Kg. 0,76

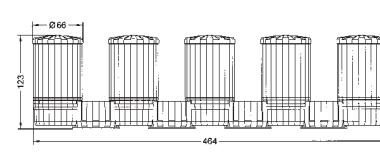

LX2 162 C

LX2162C230A3214 13073



Kg. 0,93

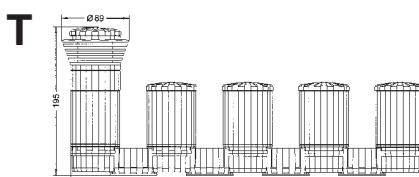

LX2 033 C

 LX2033C24D13465 14980
 LX2033C24D26431 16251


Kg. 0,96


LX2 163 C

LX2163C24D33333 14947



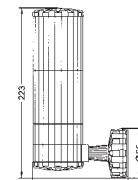
Kg. 1,13


LX2 070 C

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 LX2070C24D34 11060 LX2070C110A34 11057
 LX2070C24D53 14307 LX2070C230A21 14198
 LX2070C24A13 14180 LX2070C230A32 14308
 LX2070C24A14 14986 LX2070C230A34 11058
 LX2070C24A23 14122 LX2070C240A32 14751
 LX2070C24A34 11061 LX2070C240A34 11059
 LX2070C24A35 14102

Kg. 0,32


LX2 110 C

 LX2110C24D53 14857
 LX2110C24A34 12129


Kg. 0,35



LX2 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	Ba9s 10W	Ba9s LD 103	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54		/ ---	°C -30 +40
		1 2 3 4 5 6	PC	On ∞



AUTOESTINGUENTE
SELF-EXTINISHING
AUTO-EXTINGUILBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE

V =	12	24	110	230	240
V ~	12	24	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	90	50	45
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3	2	2	2
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	16	17	17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14	5	5	5
dB(A) 1m	80	80	80	80	80
Hz			2600		



IP 40

LX2081C24D32 14906
LX2081C24D34 11630
LX2081C24D35 14365
LX2081C24A13 14395
LX2081C24A23 14712
LX2081C24A34 11631
LX2081C24A53 14635
LX2081C110A34 11632
LX2081C230A34 11633
LX2081C230A35 16224

LX2 081 C

W

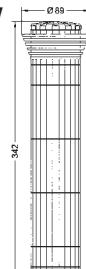


Kg. 0,41

IP 40

LX2082C12D324 11718
LX2082C24D135 14891
LX2082C24D253 14910
LX2082C24D312 16247
LX2082C24D324 11720
LX2082C24D354 14519
LX2082C24D431 14432
LX2082C24A253 14185
LX2082C24A324 11721
LX2082C24A345 14866
LX2082C24A354 14626
LX2082C24A524 14951
LX2082C110A324 11722
LX2082C230A324 11723
LX2082C240A324 11724

W



Kg. 0,46

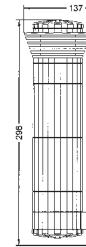


IP 40

LX2121C24D34 12645
LX2121C24D35 14471
LX2121C24A34 12646
LX2121C110A24 14952
LX2121C110A34 12647
LX2121C230A34 12648
LX2121C230A61 14870
LX2121C240A34 12649

LX2 121 C

W



Kg. 0,56

IP 40

LX2122C24A324 12711
LX2122C24A453 14823
LX2122C24D324 12710
LX2122C24D354 14520
LX2122C110A324 12712
LX2122C240A324 12714

W



Kg. 0,63

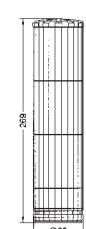


IP 40

LX2071C12D324 11138
LX2071C24D324 11147
LX2071C24D333 14256
LX2071C24D354 14305
LX2071C24A324 11148
LX2071C24A326 14265
LX2071C24A354 14105
LX2071C110A324 11149
LX2071C110A453 14153
LX2071C110A624 14888
LX2071C230A324 11150
LX2071C230A364 14729
LX2071C240A324 11151
LX2071C240A354 14717

LX2 071 C

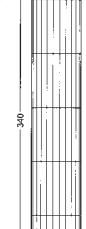
W



Kg. 0,39

LX2072C24D1354 14215
LX2072C24D3241 14752
LX2072C24D3264 11198
LX2072C24D3654 14235
LX2072C24A3264 11199
LX2072C24A3568 14486
LX2072C24A5341 14239
LX2072C110A3264 11194
LX2072C230A3264 11195
LX2072C240A3241 14753

W



Kg. 0,46

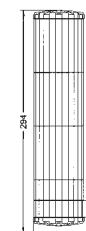


IP 40

LX2111C24D324 12230
LX2111C24D346 14953
LX2111C24D354 14444
LX2111C24A324 12231
LX2111C24A356 14793
LX2111C24A453 14822
LX2111C110A324 12232
LX2111C110A354 14457
LX2111C230A164 14926
LX2111C230A315 14927
LX2111C230A324 12233
LX2111C230A354 14694
LX2111C240A314 16214

LX2 111 C

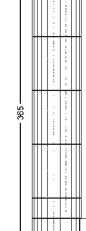
W



Kg. 0,42

LX2112C24D1354 14732
LX2112C24D3264 12290
LX2112C24A3264 12291
LX2112C230A3264 12293
LX2112C240A3264 12294

W



Kg. 0,49

LX2 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

 BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE /
 BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

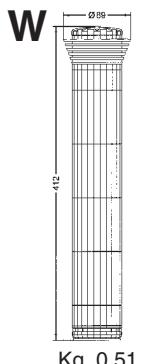
LX2 B - LUCE A BALLOTTAGGIO

ALTERNATING LIGHT / LUMIERE EN ALTERNANCE / WECHSELBLINKLICHT / LUZ ALTERNADA

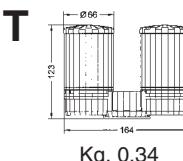
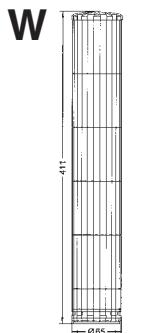
V 12-24-110-230-240 ($\pm 10\%$)	 Ba9s 10W	 Ba9s LD 103		 50/60 Hz
Flash/min. 0 - 110±20	IP 40 54		 / ---	°C -30 +40 On ∞



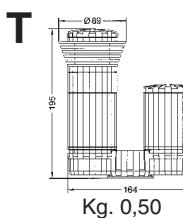
V ===	12	24	110	230	240
V ~	12	24	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	90	50	45
Cd(p) elemento luminoso Luminous element Cd(p) / Cd(p) élément lumineux Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	2	2	2
mA lampada LED LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	16	17	17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14	5	5	5
dB(A) 1m	80	80	80	80	80
Hz			2600		

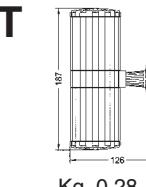

LX2 083 C
IP 40

 LX2083C24D1234 14925
 LX2083C24D2513 14909
 LX2083C24D3162 14968
 LX2083C24D3264 11770
 LX2083C24A1354 14890
 LX2083C24A3264 11771
 LX2083C110A1534 14778
 LX2083C110A3264 11772
 LX2083C230A3264 11773
 LX2083C240A3264 11774

LX2 030 B

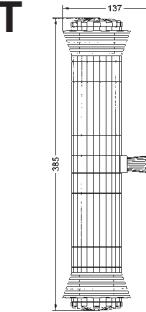
 LX2030B24DA34 10386
 LX2030B230A32 14559
 LX2030B230A34 10388

LX2 073 C

 LX2073C12D54321 16217
 LX2073C24D32614 11234
 LX2073C24D35614 14943
 LX2073C24A32614 11235
 LX2073C110A32614 11242
 LX2073C230A32614 11243

LX2 160 B

 LX2160B24DA34 12951
 LX2160B230A34 12953

LX2 060 B

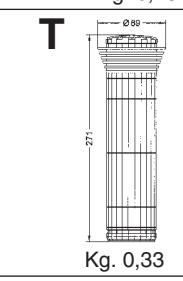
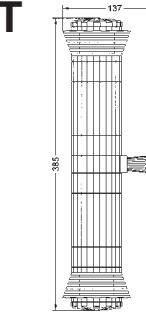
 LX2060B12DA55 14796
 LX2060B24DA22 10946
 LX2060B230A22 10948
 LX2060B240A22 10949

LX2 110 B

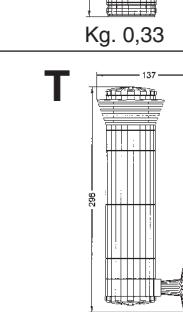
 LX2110B224DA34 12136
 LX2110B2230A34 12138

LX2 150 B
IP 40


LX2150B240A22 12854


LX2 081 B

 LX2081B224DA34 11641
 LX2081B2230A34 11643

LX2 121 B
IP 40

 LX2121B224DA34 12651
 LX2121B2230A34 12653

LX2 121 B




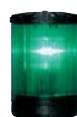
LX3 C - LUCE LAMPEGGIANTE O FISSA PILOTA ELETTRONICAMENTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 25W	Ba15d LD ₂₀₅	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54		/ ---	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On ∞

V ===	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.23	0.11	0.10
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichlelement / Cd(p) elemento luminoso	35	25	20	20	20
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

V === ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	-	-	-
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850



LX3 010 C

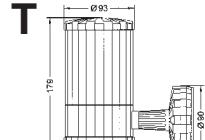


Kg. 0,26

LX3010C12DA1	10060	LX3010C24DA5	10070	LX3010C230A3	10080
LX3010C12DA2	10061	LX3010C24DA6	10071	LX3010C230A4	10081
LX3010C12DA3	10062	LX3010C110A1	10072	LX3010C230A5	10082
LX3010C12DA4	10063	LX3010C110A2	10073	LX3010C230A6	10083
LX3010C12DA5	10064	LX3010C110A3	10074	LX3010C240A1	10084
LX3010C12DA6	10065	LX3010C110A4	10075	LX3010C240A2	10085
LX3010C24DA1	10066	LX3010C110A5	10076	LX3010C240A3	10086
LX3010C24DA2	10067	LX3010C110A6	10077	LX3010C240A4	10087
LX3010C24DA3	10068	LX3010C230A1	10078	LX3010C240A5	10088
LX3010C24DA4	10069	LX3010C230A2	10079	LX3010C240A6	10089



LX3 040 C

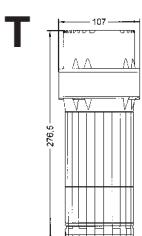


Kg. 0,38

LX3040C24DA3	10618	LX3040C230A3	10630	LX3040C240A5	10638
LX3040C110A2	10623	LX3040C240A2	10635		
LX3040C230A2	10629	LX3040C240A3	10636		



IP 30

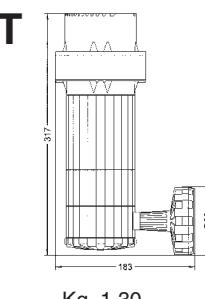


Kg. 0,95

LX3080C12A2	11397	LX3080C24A2	13521	LX3080C230A2	11409
LX3080C12D2	11391	LX3080C24A3	13522	LX3080C230A3	11410
LX3080C24D2	13507	LX3080C110A2	11403	LX3080C230A4	11411
LX3080C24D3	13508	LX3080C110A3	11404	LX3080C230A5	11412
LX3080C24D5	13510	LX3080C110A5	11406	LX3080C240A2	11415
LX3080C24A1	13520	LX3080C110A6	11407		



IP 30

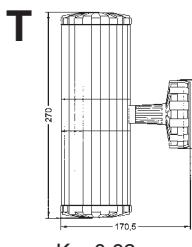


Kg. 1,30

LX3120C24A3	14062
LX3120C110A3	12426
LX3120C230A2	12431
LX3120C230A3	12432



LX3 060 C

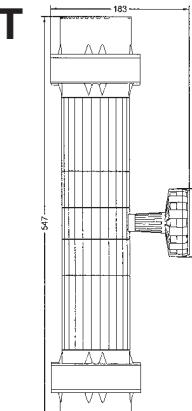


Kg. 0,62

IP 30



LX3 150 C



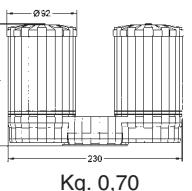
Kg. 2,60

LX3150C230A35 14887



LX3 030 C

LX3030C24D32	16221
LX3030C24D33	16268
LX3030C24D34	10391
LX3030C24D35	16245
LX3030C24A32	14746
LX3030C230A34	10393
LX3030C230A36	10373
LX3030C240A34	10394

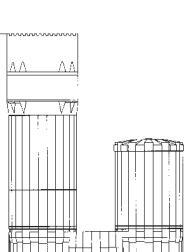


Kg. 0,70



LX3 160 C

IP 30



Kg. 1,27

LX3160C24D34	12960
LX3160C24A34	12958
LX3160C230A32	12962
LX3160C230A34	14681



LUXOR

LX3 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

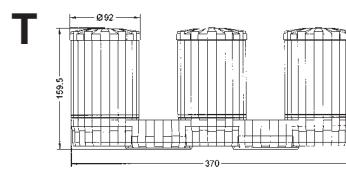
V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 25W	Ba15d LD 205 ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54	/ ---	°C -30 +40	On ∞
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUILDE	

V ===	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.23	0.11	0.10
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20	20
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

V === ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	-	-	-
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850



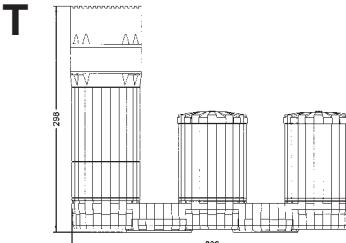
LX3 031 C

LX3031C24D312 14568
LX3031C24D543 14814

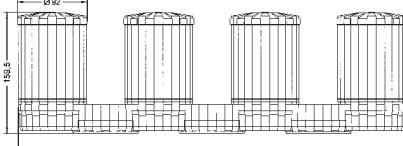
IP 30

LX3 161 C

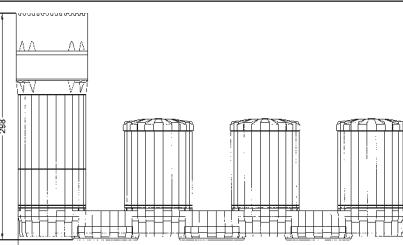
LX3161C110A324 13022



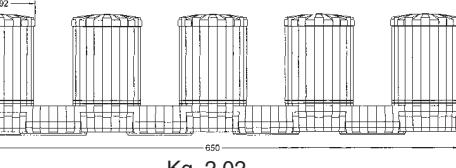
LX3 032 C

LX3032C24D3654 14972
LX3032C24A3214 10506
LX3032C110A5353 14721

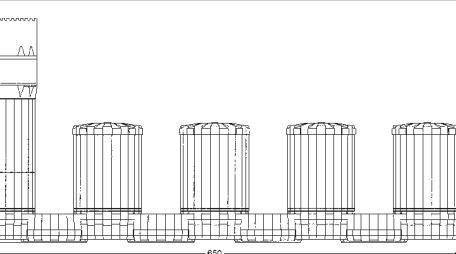
LX3 162 C

LX3162C24A3214 13079
LX3162C230A3214 13083

LX3 033 C

LX3033C24D13465 14981
LX3033C24D26431 14744
LX3033C24D32154 10516
LX3033C230A32154 10518

LX3 163 C

LX3163C24D32154 13141
LX3163C24A32154 13139
LX3163C230A32154 13143



LX3 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 25W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54	□	— / ---	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On ∞

V ===	12	24	110	230	240	V === ~	12	24	110	230	240
V ~	12	24	110	230	240	mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.23	0.11	0.10	mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichthelement / Cd(p) elemento luminoso	35	25	20	20	20	dB(A) 1m [DC]	83	82	-	-	-
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17	dB(A) 1m [AC]	86	85	88	88	88
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21	Hz	1000	850	850	850	850



LX3 070 C

LX3070C24D23	14103
LX3070C24D34	11080
LX3070C24A13	16228
LX3070C24A34	11081
LX3070C24A35	14278
LX3070C110A34	11082
LX3070C110A35	14324
LX3070C230A24	14242
LX3070C230A32	14323
LX3070C230A34	11083

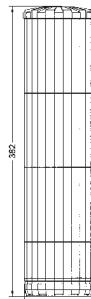


Kg. 0,50



LX3 071 C

LX3071C24D263	14293
LX3071C24D324	11157
LX3071C24D325	14272
LX3071C24D354	14149
LX3071C24A324	11158
LX3071C24A435	14552
LX3071C24A436	14959
LX3071C110A213	14155
LX3071C110A245	14723
LX3071C110A324	11154
LX3071C230A156	14189
LX3071C230A324	11155
LX3071C230A326	14837
LX3071C240A324	11156
LX3071C240A354	14262

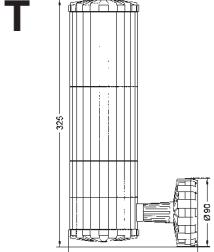


Kg. 0,65



LX3 110 C

LX3110C24D34	12146
LX3110C110A34	12147
LX3110C230A32	16255

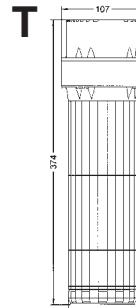


Kg. 0,59



LX3 081 C

LX3081C24D21	14711
LX3081C24D34	11650
LX3081C24A23	14859
LX3081C24A41	16257
LX3081C230A34	11653
LX3081C230A53	14514

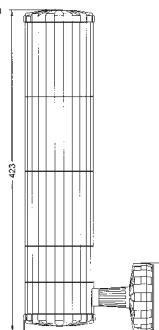


Kg. 1,07



LX3 111 C

LX3111C24D324	12240
LX3111C24D364	14941
LX3111C110A324	12237
LX3111C230A126	14946
LX3111C230A324	12238
LX3111C230A354	14451

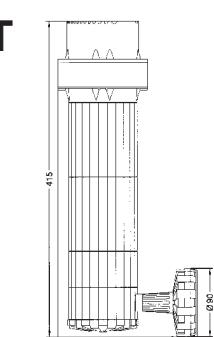


Kg. 0,78

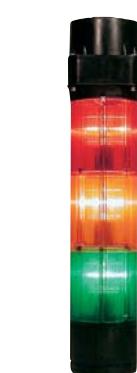


LX3 121 C

LX3121C24D34	14919
LX3121C24D22	12675
LX3121C240A35	16263



Kg. 1,16



LX3 082 C

LX3082C12D354	16264
LX3082C24D324	11730
LX3082C24D354	14672
LX3082C24A235	14674
LX3082C24A324	11731
LX3082C24A345	14438
LX3082C110A324	11732
LX3082C230A324	11733
LX3082C230A436	14911
LX3082C240A364	16203

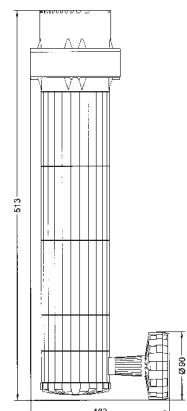


Kg. 1,22

LX3 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

 BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE /
 BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	 Ba15d 25W	Ba15d LD¹⁰⁵₂₀₅	---	 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54		 /---	°C -30 +40
	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	
V ---	12	24	110	230
V ~	12	24	110	230
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.23	0.11
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21


IP 30
T

LX3 122 C

LX3122C24A351 14797

Kg. 1,35


LX3 072 C

LX3072C24D3654 14236
 LX3072C24D5324 14193
 LX3072C24A2243 14279
 LX3072C24A3241 14253
 LX3072C24A3264 11217
 LX3072C110A1354 14836
 LX3072C110A3264 11202
 LX3072C230A3256 14530
 LX3072C230A3264 11203
 LX3072C240A1234 14512
 LX3072C240A3154 14627
 LX3072C240A3264 11204
 LX3072C240A3434 14883

Kg. 0,81

T

LX3 083 C
IP 30

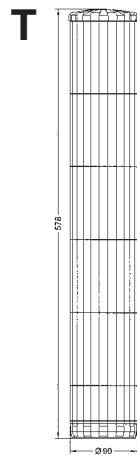
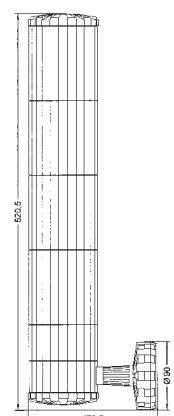

Kg. 1,38

LX3083C24D3264 11775
 LX3083C24A3264 11776
 LX3083C110A1543 14289
 LX3083C110A3264 11777
 LX3083C110A3464 14876
 LX3083C230A3451 14190
 LX3083C240A3264 11779

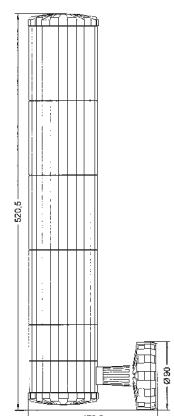

LX3 073 C

LX3073C24D32614 11236
 LX3073C24A32614 11237
 LX3073C110A32614 11252

Kg. 0,96


T


Kg. 0,94

T


Kg. 0,94


LX3 112 C

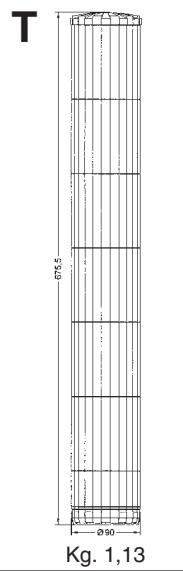
LX3112C24D3546 14901
 LX3112C110A3264 12302
 LX3112C230A3264 12303
 LX3112C230A4444 14998
 LX3112C230A4631 14726


LX3 084 C

LX3084C24A35432 14737
 LX3084C110A32614 11818

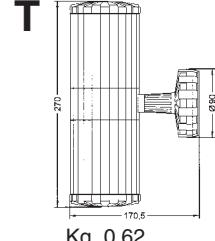
V 12-24-110-230-240 ($\pm 10\%$)	 Ba15d 25W	Ba15d LD 105 205	---	 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54		 — / ---	°C -30 +40
 1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE			On ∞
V ---	12 24 110 230 240			
V ~	12 24 110 230 240			
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8 0.9 0.23 0.11 0.10			
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichlelement / Cd(p) elemento luminoso	35 25 20 20 20			
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80 40 16 17 17			
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140 74 24 21 21			


LX3 074 C

LX3074C24A32615 11281
LX3074C230A32615 11283


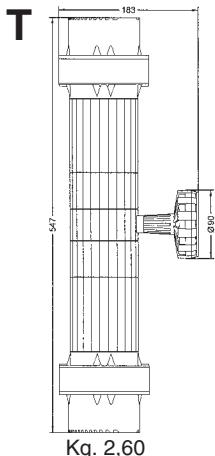
Kg. 1,13


LX3 060 B

LX3060B24DA22 10966
LX3060B110A33 16207
LX3060B230A22 10968
LX3060B240A55 16252


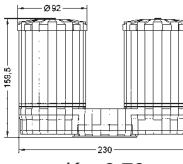
Kg. 0,62


LX3 150 B

LX3150B24DA22 12871
LX3150B230A22 12873


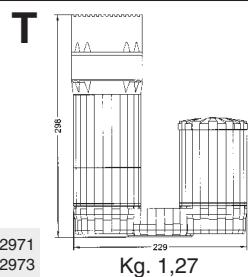
Kg. 2,60


LX3 030 B

LX3030B24DA55 14849
LX3030B240A34 10399


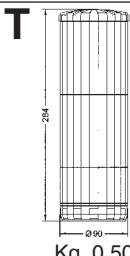
Kg. 0,70

V --- ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mÁ acústica [DC]	180	90	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	—	—	—
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850


IP 30


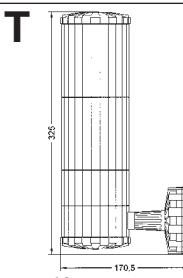
Kg. 1,27

LX3160B24DA34 12971
LX3160B230A34 12973

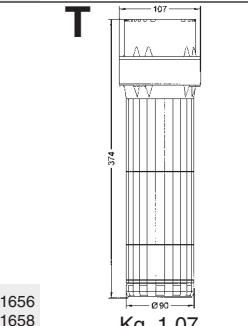
LX3070B24DA23 14150
LX3070B24DA34 11086
LX3070B230A34 11088
LX3070B230A35 14388


Kg. 0,50


LX3 110 B

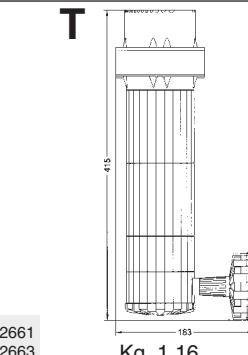
LX3110B24DA34 12151
LX3110B230A34 12153
LX3110B230A51 14392


Kg. 0,59


IP 30


Kg. 1,07

LX3081B24DA34 11656
LX3081B230A34 11658

IP 30


Kg. 1,16

LX3121B24DA34 12661
LX3121B230A34 12663

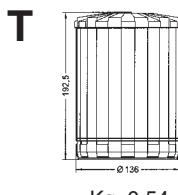
LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

 BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE /
 BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)		Ba15d 40W	Ba15d LD¹⁰⁵	---		50/60 Hz
Flash/min. 0 - 110±20	IP 30 54				°C -30 +40	On ∞
			1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

V ===	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

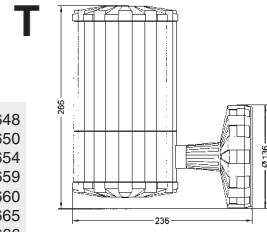
V === ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	-	-	-
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850


LX4 010 C


LX4010C12DA1	10090	LX4010C24DA5	10100	LX4010C230A3	10110
LX4010C12DA2	10091	LX4010C24DA6	10101	LX4010C230A4	10111
LX4010C12DA3	10092	LX4010C110A1	10102	LX4010C230A5	10112
LX4010C12DA4	10093	LX4010C110A2	10103	LX4010C230A6	10113
LX4010C12DA5	10094	LX4010C110A3	10104	LX4010C240A1	10114
LX4010C12DA6	10095	LX4010C110A4	10105	LX4010C240A2	10115
LX4010C24DA1	10096	LX4010C110A5	10106	LX4010C240A3	10116
LX4010C24DA2	10097	LX4010C110A6	10107	LX4010C240A4	10117
LX4010C24DA3	10098	LX4010C230A1	10108	LX4010C240A5	10118
LX4010C24DA4	10099	LX4010C230A2	10109	LX4010C240A6	10119

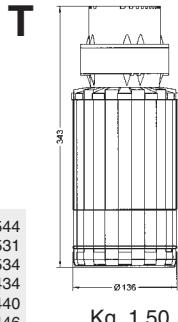
LX4060C110A22	10972
LX4060C110A35	14958
LX4060C230A43	10975
LX4060C240A34	14658

Kg. 1,72


LX4 040 C


LX4040C24DA3	10648
LX4040C24DA5	10650
LX4040C110A3	10654
LX4040C230A2	10659
LX4040C230A3	10660
LX4040C240A2	10665
LX4040C240A3	10666
LX4040C240A4	10667

LX4080C24A5	13544
LX4080C24D2	13531
LX4080C24D5	13534
LX4080C110A3	11434
LX4080C230A3	11440
LX4080C240A3	11446



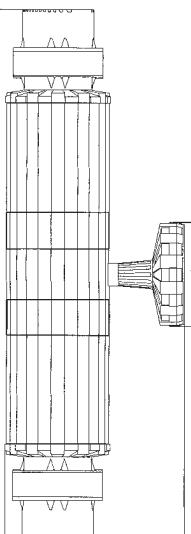
IP 30



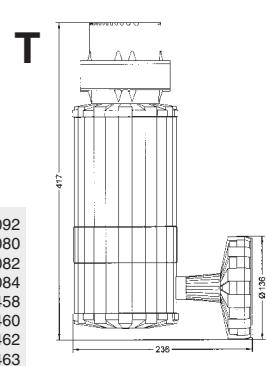
IP 30



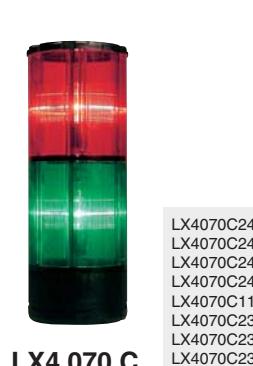
LX4150C24A22	12876
LX4150C24D34	16272
LX4150C230A22	12878
LX4150C230A34	16273



Kg. 3,59


LX4 120 C


IP 30



LX4070C24D32	14990
LX4070C24D34	11100
LX4070C24A34	11101
LX4070C24A35	16226
LX4070C110A23	16289
LX4070C230A13	14713
LX4070C230A34	11093
LX4070C230A61	14714
LX4070C240A34	11094



Kg. 0,98



LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
------------------------------------	-----------	--	-----	------------

Flash/min. 0 - 110±20	IP 30 54		— / ---	°C -30 +40	On ∞
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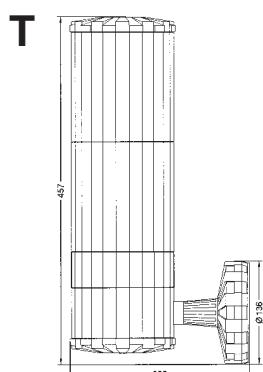
1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
----------------	--

V ===	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21



LX4 110 C

LX4110C110A23 16293
LX4110C230A34 12163



Kg. 1,34

V === ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	—	—	—
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850



LX4 071 C

LX4071C24D156 14851
LX4071C24D324 11162
LX4071C24D354 14168
LX4071C24D654 14916
LX4071C24A324 11163
LX4071C24A354 16259
LX4071C110A324 11164
LX4071C110A532 14897
LX4071C230A324 11165
LX4071C230A345 14231
LX4071C240A324 11166

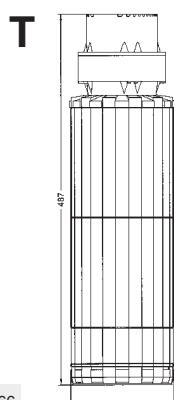


Kg. 1,30



IP 30

LX4081C24A34 11666
LX4081C110A34 11662
LX4081C230A34 11663

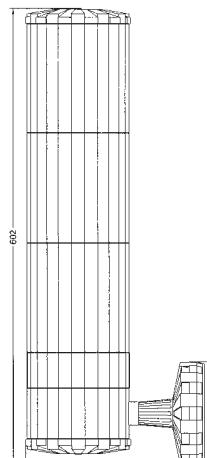


Kg. 1,76



LX4 111 C

LX4111C24D324 12250
LX4111C24A321 14821
LX4111C24A324 12251
LX4111C110A324 12252
LX4111C230A153 14777
LX4111C230A324 12253

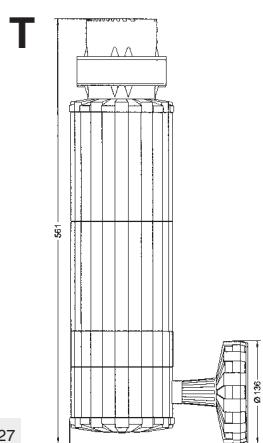


Kg. 1,66



IP 30

LX4121C24D15 16227
LX4121C24D34 12677
LX4121C24D51 16239
LX4121C24A34 12678

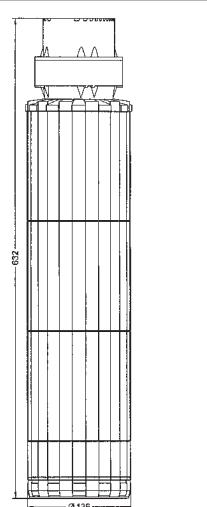


Kg. 2,08



IP 30

LX4082C230A354 14950
LX4082C230A364 16258
LX4082C230DA134 16223
LX4082C240A324 11739



Kg. 2,08

LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

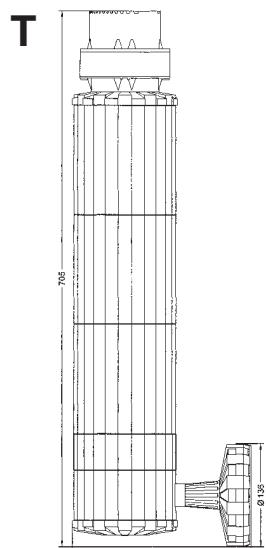
 BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE /
 BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 ($\pm 10\%$)	 Ba15d 40W	Ba15d LD₂₀₅¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54		 /---	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On 

V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

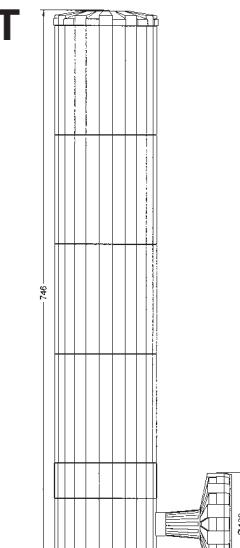
V == ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	-	-	-
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850


IP 30
LX4 122 C

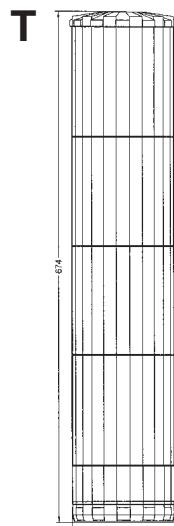
 LX4122C24D314 14865
 LX4122C230A453 16237


Kg. 2,40


LX4 112 C

 LX4112C110A3541 14991
 LX4112C230A3264 12313


Kg. 1,98


LX4 072 C

Kg. 1,62

 LX4072C24D4153 16220 LX4072C24D5324 14288 LX4072C110A3264 11207
 LX4072C24D3241 14511 LX4072C24A4231 16248 LX4072C230A3264 11208

LX4 083 C

LX4083C230A3264 11783



Kg. 2,40

LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

LX4 B - LUCE A BALLOTTAGGIO

ALTERNATING LIGHT / LUMIERE EN ALTERNANCE / WECHSELBLINKLICHT / LUZ ALTERNADA

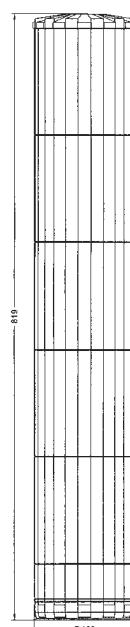
V 12-24-110-230-240 ($\pm 10\%$)	 Ba15d 40W	Ba15d LD 105 205	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54		 ---	°C -30 +40 On ∞



V ---	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

V --- ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	-	-	-
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850


LX4 073 C

 LX4073C24A12345 14728
LX4073C230A35614 14619


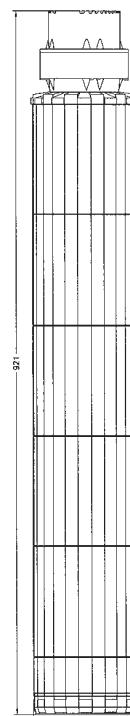
Kg. 1,95


LX4 074 C

 LX4074C110A326154 11287
LX4074C230A326154 11288

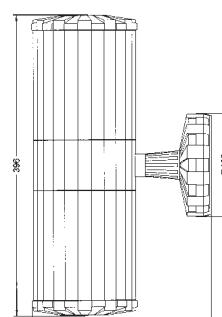
LX4 084 C

LX4084C24A32614 11831



Kg. 2,72


LX4 060 B

 LX4060B24DA22 10981
LX4060B230A22 10983
LX4060B230A36 14669


Kg. 1,72



LUXOR

LX4 B - LUCE A BALLOTTAGGIO

ALTERNATING LIGHT / LUMIERE EN ALTERNANCE / WECHSELBLINKLICHT / LUZ ALTERNADA

V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54	□	— / ---	°C -30 +40
	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	On ∞

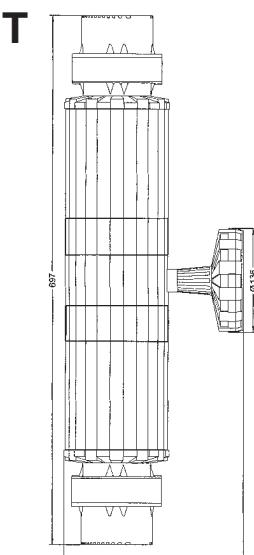
V ===	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

V === ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / MA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / MA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	-	-	-
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850

IP 30



LX4 150 B

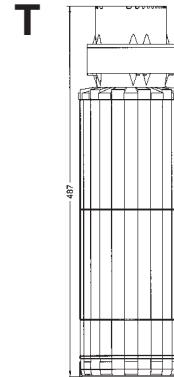
LX4150B24DA22 12881
LX4150B230A22 12883

Kg. 3,59

IP 30



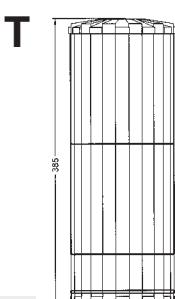
LX4 081 B

LX4081B24DA22 16278
LX4081B24DA34 11671
LX4081B230A22 16279
LX4081B230A34 11673

Kg. 1,76



LX4 070 B

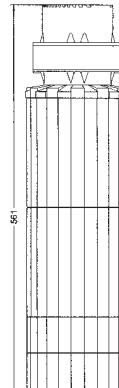
LX4070B24DA22 16274
LX4070B24DA34 11096
LX4070B230A22 16275
LX4070B230A34 11098

Kg. 0,98

IP 30

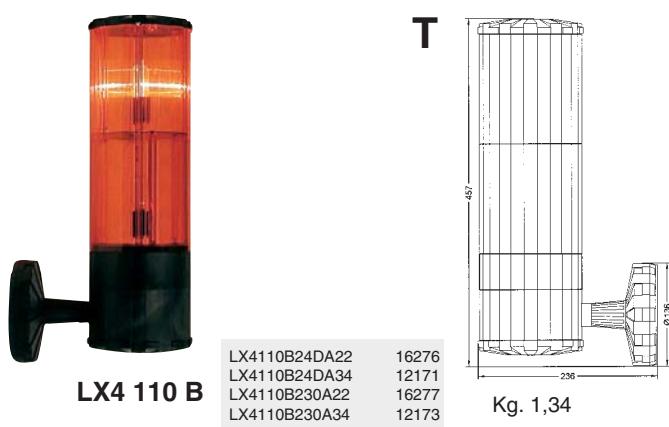


LX4 121 B

LX4121B24DA22 16280
LX4121B24DA32 12671
LX4121B230A22 16281
LX4121B230A33 14749

Kg. 2,08

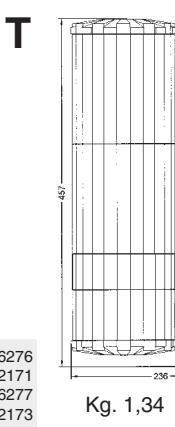
T



LX4 110 B

LX4110B24DA22 16276
LX4110B24DA34 12171
LX4110B230A22 16277
LX4110B230A34 12173

Kg. 1,34



LX1 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

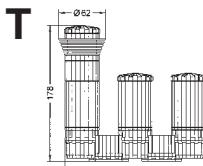
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	 Ba9s 4W	 Ba9s LD 103	---	~ 50/60 Hz			
Flash/min. 0	IP 40 54		 —	°C -30 +40 On ∞			
		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			
V ---		12	24	48	110	230	240
V ~		12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	330	130	95	35	25	20	
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	3	2	2	2	
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	18	16	17	17	
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	10	14	6	5	5	5	
dB(A) 1m	70	70	70	70	70	70	
Hz				3200			



IP 40

LX1 161 F

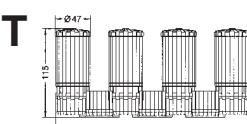


Kg. 0,41

LX1161F24DA324 13031



LX1 032 F

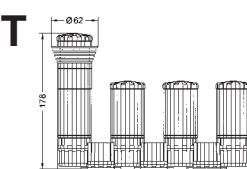
LX1032F24DA3214 10476
LX1032F48DA3214 10477

Kg. 0,44



LX1 162 F

IP 40

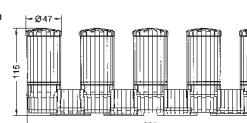
LX1162F24DA3214 13091
LX1162F230DA3214 13094

Kg. 0,53



LX1 033 F

LX1033F24DA32154 10521



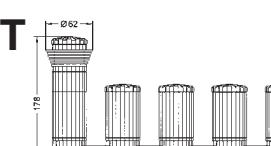
Kg. 0,57



LX1 163 F

IP 40

LX1163F110DA32154 13153

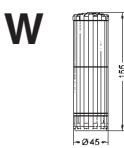


Kg. 0,66



LX1 070 F

LX1070F12DA34	11110	LX1070F24DA64	16253
LX1070F24DA16	14412	LX1070F48DA34	11112
LX1070F24DA32	14138	LX1070F110DA34	11113
LX1070F24DA34	11111	LX1070F230DA34	11114
LX1070F24DA35	14116	LX1070F230DA62	16234
LX1070F24DA42	11116	LX1070F230DA63	16283
LX1070F24DA54	14741	LX1070F230DA64	14984
LX1070F24DA63	14907	LX1070F240DA34	11115



Kg. 0,14



LX1 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

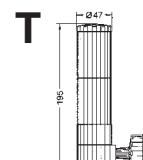
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba9s 4W	Ba9s LD 103	---	~ 50/60 Hz	
Flash/min. 0	IP 40 54			°C -30 +40	
V ---	12	24	48	110 230 240	
V ~	12	24	48	110 230 240	
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	330	130	95	35 25 20	
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3	3	2 2 2	
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	18	16 17 17	
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	10	14	6	5 5 5	
dB(A) 1m	70	70	70	70 70 70	
Hz	3200				



LX1 110 F

LX1110F12DA34	12180	LX1110F110DA34	12183
LX1110F24DA32	14730	LX1110F230DA34	12184
LX1110F24DA34	12181	LX1110F240DA34	12185



Kg. 0,19



LX1 081 F

IP 40

LX1081F24DA34	11681	LX1081F110DA55	14898
LX1081F110DA34	11683	LX1081F240DA34	11685



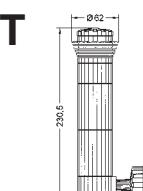
Kg. 0,22



LX1 121 F

IP 40

LX1121F12DA34	12680
LX1121F24DA12	16232
LX1121F24DA32	14873
LX1121F24DA34	12681



Kg. 0,21



LX1 071 F

LX1071F12DA346	14377	LX1071F24DA354	14770
LX1071F24DA163	14760	LX1071F24DA543	14296
LX1071F24DA321	14789	LX1071F110DA324	11170
LX1071F24DA324	11168	LX1071F230DA324	11171
LX1071F24DA332	14886	LX1071F230DA634	14904
LX1071F24DA346	14414	LX1071F240DA324	11172
LX1071F24DA351	14894	LX1071F240DA354	14715

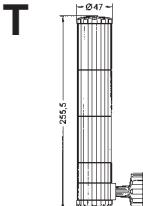


Kg. 0,22



LX1 111 F

LX1111F24DA324	12261
LX1111F110DA324	12263
LX1111F230DA324	12264
LX1111F240DA324	12265



Kg. 0,27



LUXOR

LX2 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE / DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V 12-24-48-110-230-240 ($\pm 10\%$)	Ba9s 10W	Ba9s LD 103	---	~ 50/60 Hz
Flash/min. 0	IP 40 54		—	°C -30 +40 On ∞
		PC	AUTO-EXTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGÜBLE	

V ---	12	24	48	110	230	240
V ~	12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	210	90	50	45
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3	8	2	2	2
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	18	16	17	17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14	6	5	5	5
dB(A) 1m	80	80	80	80	80	80
Hz	2600					

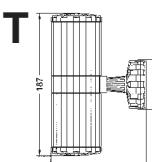


LX2 010 F

Kg. 0,13

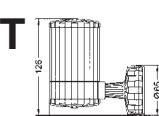
LX2010F12DA1	10156	LX2010F48DA1	10168	LX2010F230DA1	10180
LX2010F12DA2	10157	LX2010F48DA2	10169	LX2010F230DA2	10181
LX2010F12DA3	10158	LX2010F48DA3	10170	LX2010F230DA3	10182
LX2010F12DA4	10159	LX2010F48DA4	10171	LX2010F230DA4	10183
LX2010F12DA5	10160	LX2010F48DA5	10172	LX2010F230DA5	10184
LX2010F12DA6	10161	LX2010F48DA6	10173	LX2010F230DA6	10185
LX2010F24DA1	10162	LX2010F110DA1	10174	LX2010F240DA1	10186
LX2010F24DA2	10163	LX2010F110DA2	10175	LX2010F240DA2	10187
LX2010F24DA3	10164	LX2010F110DA3	10176	LX2010F240DA3	10188
LX2010F24DA4	10165	LX2010F110DA4	10177	LX2010F240DA4	10189
LX2010F24DA5	10166	LX2010F110DA5	10178	LX2010F240DA5	10190
LX2010F24DA6	10167	LX2010F110DA6	10179	LX2010F240DA6	10191

LX2060F12DA34	14860
LX2060F24DA22	11001
LX2060F24DA34	14889
LX2060F24DA43	14848
LX2060F230DA13	16260
LX2060F230DA22	11004
LX2060F230DA34	14202
LX2060F240DA22	11005
LX2060F240DA34	14862



Kg. 0,27

LX2 060 F

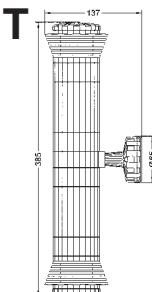


LX2 040 F

Kg. 0,16

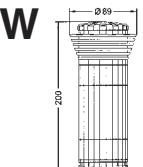
LX2040F24DA2	10713	LX2040F110DA3	10726	LX2040F240DA5	10740
LX2040F24DA4	10715	LX2040F230DA3	10732		
LX2040F24DA5	10716	LX2040F230DA6	10735		

LX2150F24DA22	12901
LX2150F230DA22	12904



Kg. 0,44

LX2 150 F

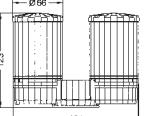


LX2 080 F

Kg. 0,31

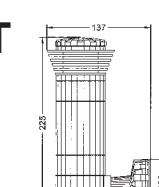
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LX2080F24DA2	11497	LX2080F110DA3	11510	LX2080F240DA3	11522
LX2080F24DA3	11498	LX2080F110DA5	11512		
LX2080F24DA5	11500	LX2080F230DA2	11515		

LX2030F24DA34	10411
LX2030F24DA42	14556
LX2030F230DA34	10414
LX2030F240DA34	10415



Kg. 0,33

LX2 030 F

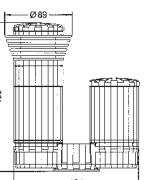


LX2 120 F

Kg. 0,26

LX2120F24DA3	12523
LX2120F230DA3	12541

LX2160F24DA34	12987
LX2160F230DA34	12990



Kg. 0,49

LX2 160 F



LX2 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba9s 10W	Ba9s LD 103	---	~ 50/60 Hz
Flash/min. 0	IP 40 54			°C -30 +40 On ∞

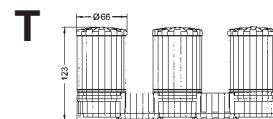


V ---	12	24	48	110	230	240
V ~	12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	210	90	50	45
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3	8	2	2	2
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	18	16	17	17
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14	6	5	5	5
dB(A) 1m	80	80	80	80	80	80
Hz	2600					



LX2 031 F

LX2031F24DA324 10447
LX2031F230DA324 10450



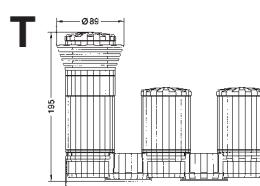
Kg. 0,54



IP 40

LX2 161 F

LX2161F230DA324 13044

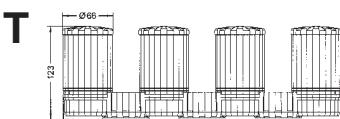


Kg. 0,74



LX2 032 F

LX2032F24DA3214 10482
LX2032F230DA3215 14808
LX2032F240DA3214 10486



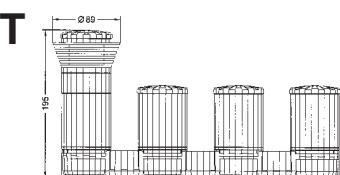
Kg. 0,75



IP 40

LX2 162 F

LX2162F24DA3214 13101
LX2162F230DA3214 13104

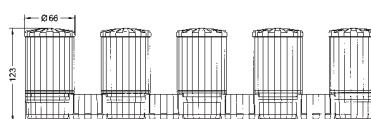


Kg. 0,91



LX2 033 F

LX2033F24DA32154 10531



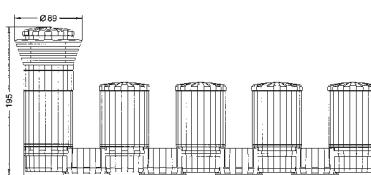
Kg. 0,96



IP 40

LX2 163 F

LX2163F23DA32154 13161
LX2163F230DA32154 13164



Kg. 1,12



LUXOR

LX2 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE / DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba9s 10W	Ba9s LD 103	---	~ 50/60 Hz
Flash/min. 0	IP 40 54		—	°C -30 +40 On ∞
		1 2 3 4 5 6	PC	AUTOEXTINGUIENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUILBLE
V ---		12 24 48	110 230 240	
V ~		12 24 48	110 230 240	
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410 210	90 50 45	
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux	3	3 8	2 2 2	
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43 18	16 17 17	
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14 6	5 5 5	
dB(A) 1m	80	80 80	80 80 80	
Hz				2600



LX2 070 F

W

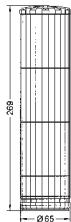


Kg. 0,28



LX2 071 F

W



Kg. 0,35

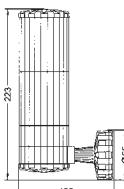
LX2070F12DA34	11120	LX2070F24DA36	14852	LX2070F230DA33	14908
LX2070F24DA12	14161	LX2070F24DA42	14106	LX2070F230DA34	11124
LX2070F24DA23	14109	LX2070F24DA56	14921	LX2070F240DA32	14117
LX2070F24DA31	14183	LX2070F110DA34	11123	LX2070F240DA34	11125
LX2070F24DA34	11121	LX2070F230DA22	14884		
LX2070F24DA35	14111	LX2070F230DA32	14115		

LX2071F24DA321	14227	LX2071F24DA461	14735	LX2071F110DA453	14273
LX2071F24DA324	11174	LX2071F24DA513	14722	LX2071F110DA564	16206
LX2071F24DA333	14985	LX2071F48DA324	11175	LX2071F230DA324	11177
LX2071F24DA341	14300	LX2071F110DA261	14222	LX2071F230DA354	14315
LX2071F24DA354	14302	LX2071F110DA324	11176	LX2071F240DA324	11178
LX2071F24DA362	14479	LX2071F110DA354	14316	LX2071F240DA354	14263
LX2071F24DA364	14270	LX2071F110DA364	14878		



LX2 110 F

T



Kg. 0,26

LX2110F12DA34	12190
LX2110F24DA32	14406
LX2110F24DA34	12191
LX2110F24DA41	14775
LX2110F230DA34	12194
LX2110F230DA35	16218
LX2110F230DA42	14405
LX2110F240DA34	12195
LX2110F240DA42	16265

LX2 081 F

W



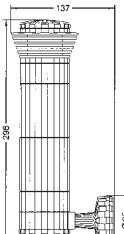
Kg. 0,37

LX2081F24DA23	14368
LX2081F24DA24	14708
LX2081F24DA34	11691
LX2081F24DA35	14434
LX2081F24DA36	14864
LX2081F48DA32	14934
LX2081F110DA34	11693
LX2081F110DA55	14899
LX2081F230DA34	11694
LX2081F240DA34	11695



IP 40

T



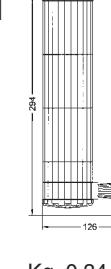
Kg. 0,47

LX2121F24DA34 12687



LX2 111 F

LX2111F12DA146	14971
LX2111F12DA354	14854
LX2111F24DA324	12267
LX2111F24DA452	16267
LX2111F110DA312	16222
LX2111F110DA324	12269
LX2111F110DA345	14706
LX2111F230DA324	12270
LX2111F230DA345	14869



Kg. 0,34



IP 40

W



Kg. 0,42

LX2082F24DA314	14670
LX2082F24DA324	11741
LX2082F24DA351	14724
LX2082F24DA354	14533
LX2082F110DA324	11743
LX2082F230DA324	11744
LX2082F230DA354	14856

LX2 082 F



LX2 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

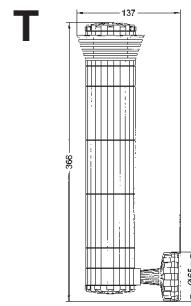
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V 12-24-48-110-230-240 ($\pm 10\%$)	Ba9s 10W	Ba9s LD 103	---	~ 50/60 Hz			
Flash/min. 0	IP 40 54			°C -30 +40 On ∞			
		1 2 3 4 5 6	PC	AUTOEXTINGUENTE SELF-EXTINCTION AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			
V ---		12	24	48	110	230	240
V ~		12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	210	90	50	45	
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	8	2	2	2	
mA lampada LED / LED bulb mA / mA ampoule à LED / mA LED-Leuchtmittel / mA lámpara de LED's	82	43	18	16	17	17	
mA acustica / Acoustics mA / mA acoustique / mA Akustik / mA acústica	14	14	6	5	5	5	
dB(A) 1m	80	80	80	80	80	80	
Hz				2600			



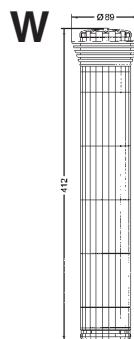
LX2 122 F

IP 40



Kg. 0,54

IP 40



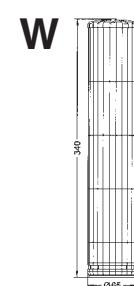
Kg. 0,47

LX2083F24DA1623 14794
 LX2083F24DA3214 14601
 LX2083F24DA3264 11786
 LX2083F24DA3416 14738
 LX2083F48DA1423 14449
 LX2083F110DA2564 14736
 LX2083F110DA4123 16243



LX2 072 F

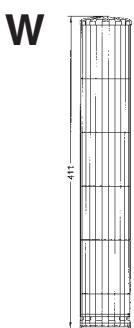
LX2072F24DA2145 14877
 LX2072F24DA2334 14922
 LX2072F24DA3214 14497
 LX2072F24DA3264 11211
 LX2072F24DA3461 14320
 LX2072F24DA3514 14535
 LX2072F24DA4352 14147
 LX2072F24DA6354 14491
 LX2072F110DA2666 14429
 LX2072F110DA3264 11213
 LX2072F110DA3514 14245
 LX2072F230DA3241 14260
 LX2072F230DA3264 11214
 LX2072F240DA3264 11215



Kg. 0,41



LX2 073 F

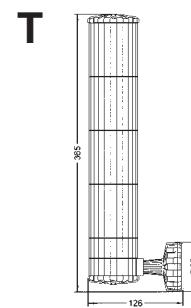


Kg. 0,48



LX2 112 F

LX2112F24DA3546 14620
 LX2112F230DA3215 14942



Kg. 0,41



LUXOR

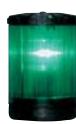
LX3 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE / DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

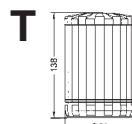
V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 25W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	♪ —	°C -30 +40
	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGÜBLE	On ∞

V ===	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.5	0.23	0.11	0.10
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20	20	20
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21

V === ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



LX3 010 F

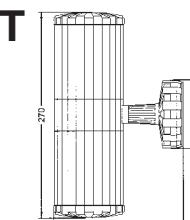


Kg. 0,23

LX3010F24DA1	10200	LX3010F48DA6	10211	LX3010F230DA5	10222
LX3010F24DA2	10201	LX3010F110DA1	10212	LX3010F230DA6	10223
LX3010F24DA3	10202	LX3010F110DA2	10213	LX3010F240DA1	10224
LX3010F24DA4	10203	LX3010F110DA3	10214	LX3010F240DA2	10225
LX3010F24DA5	10204	LX3010F110DA4	10215	LX3010F240DA3	10226
LX3010F24DA6	10205	LX3010F110DA5	10216	LX3010F240DA4	10227
LX3010F48DA1	10206	LX3010F110DA6	10217	LX3010F240DA5	10228
LX3010F48DA2	10207	LX3010F230DA1	10218	LX3010F240DA6	10229
LX3010F48DA3	10208	LX3010F230DA2	10219		
LX3010F48DA4	10209	LX3010F230DA3	10220		
LX3010F48DA5	10210	LX3010F230DA4	10221		



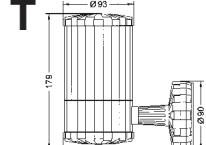
LX3 060 F

LX3060F12DA34 16287
LX3060F24DA34 14348
LX3060F24DA35 16246
LX3060F230DA34 14201
LX3060F240DA22 11015
LX3060F240DA34 14311

Kg. 0,61



LX3 040 F

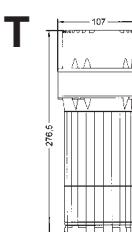


Kg. 0,36

LX3040F12DA3	10752	LX3040F230DA5	10778	LX3040F48DA2	10763
LX3040F24DA4	10759	LX3040F240DA4	10783		
LX3040F230DA3	10776	LX3040F240DA6	10785		



IP 30

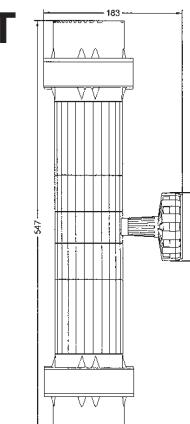


Kg. 0,92

LX3080F24DA2	11537	LX3080F110A2	11549	LX3080F230A3	11556
LX3080F24DA3	11538	LX3080F110A3	11550	LX3080F240A2	11561



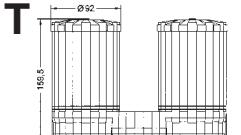
LX3 150 F

LX3150F24DA22 12907
LX3150F230A22 11910

Kg. 2,00



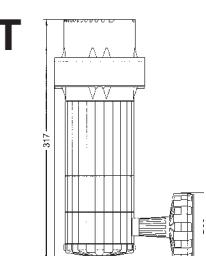
LX3 030 F

LX3030F230DA33 14616
LX3030F230DA34 10420

Kg. 0,65



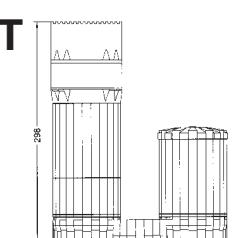
IP 30



Kg. 1,00

LX3120F24DA2 12562
LX3120F24DA3 12563
LX3120F230A2 12580
LX3120F230A3 12581

LX3 160 F



LX3160F24DA32 14747

Kg. 1,22



LX3 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

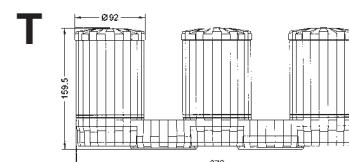
V 12-24-48-110-230-240 ($\pm 10\%$)		Ba15d 25W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	▀ / ---	°C -30 +40	On ∞
		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

V ===	12	24	48	110	230	240	
V ~	12	24	48	110	230	240	
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.5	0.23	0.11	0.10	
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20	20	20	
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17	
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21	



LX3 031 F

LX3031F24DA324 10453
LX3031F24DA354 14621
LX3031F110DA315 16202
LX3031F110DA324 10455



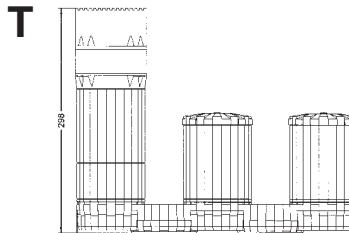
Kg. 1,07



IP 30

LX3 161 F

LX3161F24DA324 13051
LX3161F230DA324 13054

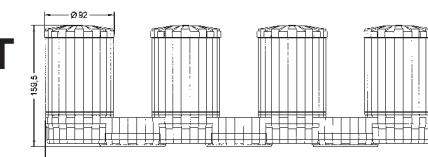


Kg. 1,64



LX3 032 F

LX3032F12DA3214 10487
LX3032F24DA3214 10488
LX3032F110DA3214 10490



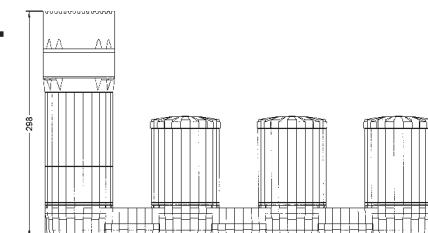
Kg. 1,48



IP 30

LX3 162 F

LX3162F24DA3214 13111
LX3162F230DA3214 13114

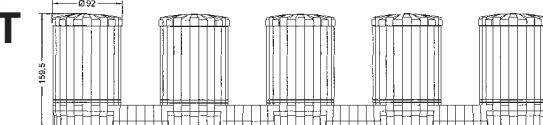


Kg. 2,05



LX3 033 F

LX3033F24DA32154 10537
LX3033F230DA32154 10540



Kg. 1,74



LUXOR

LX3 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE / DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V 12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 25W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	♪ —	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On ∞

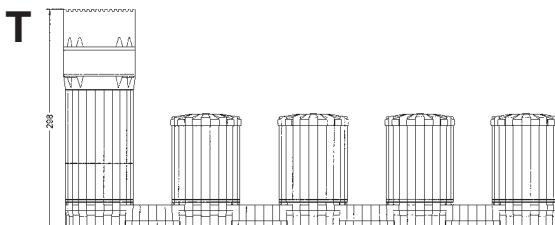
V ===	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.5	0.23	0.11	0.10
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20	20	20
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21

V === ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



IP 30

LX3 163 F



Kg. 2,31



LX3 070 F

LX3070F12DA44	16249	LX3070F110DA34	11129
LX3070F24DA32	14098	LX3070F110DA36	14742
LX3070F24DA34	11127	LX3070F110DA42	16230
LX3070F24DA35	14399	LX3070F230DA32	14426
LX3070F24DA54	14954	LX3070F230DA34	11130
LX3070F24DA65	14914	LX3070F230DA35	14767
LX3070F48DA34	11128	LX3070F230DA61	14905
LX3070F110DA14	16244	LX3070F240DA34	11131
LX3070F110DA32	14123	LX3070F240DA35	16256

Kg. 0,48



LX3 110 F

LX3110F24DA34	12197	LX3110F230DA35	14812
LX3110F110DA23	16210	LX3110F240DA34	12201
LX3110F110DA34	12199	LX3110F240DA53	14824
LX3110F230DA34	12200	LX3110F240DA56	14912

Kg. 0,57

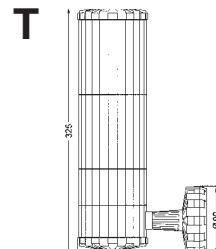


LX3 081 F

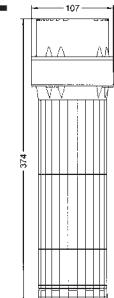
IP 30

LX3081F24DA34	11701
LX3081F110A32	16291
LX3081F110A34	11703
LX3081F240A34	11705
LX3081F240A35	14928

Kg. 1,05



Kg. 0,48



Kg. 1,05



LX3 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

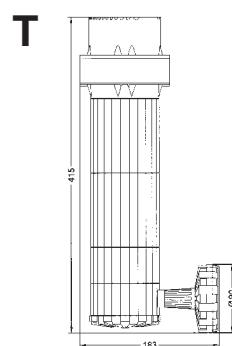
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 25W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	—	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On ∞

V ===	12	24	48	110	230	240	
V ~	12	24	48	110	230	240	
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.5	0.23	0.11	0.10	
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichthelement / Cd(p) elemento luminoso	35	25	20	20	20	20	
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17	
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21	



IP 30



LX3 121 F

LX3121F230A34 12696

Kg. 1,14

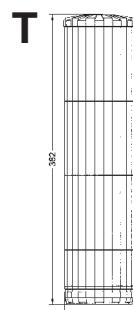
IP 30



LX3 082 F

LX3082F24DA324 11751
LX3082F110A324 11753

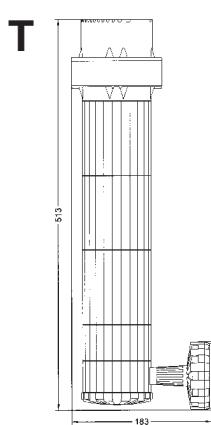
Kg. 1,20



LX3 071 F

Kg. 0,63

IP 30



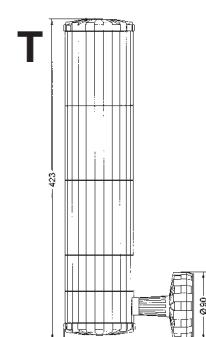
LX3 122 F

LX3122F230A425 16219

Kg. 1,33



LX3111F24DA324 12273
LX3111F24DA354 14956
LX3111F24DA413 14528
LX3111F110DA324 12275
LX3111F110DA354 16235
LX3111F230DA324 12276
LX3111F230DA354 14893
LX3111F240DA324 12277
LX3111F240DA354 16236



LX3 111 F

Kg. 0,76



LX3 072 F

LX3072F24DA3214 14510
LX3072F24DA3264 11221
LX3072F24DA3514 14136
LX3072F24DA6543 14496
LX3072F110DA3514 14499
LX3072F110DA3561 14795
LX3072F230DA3214 14988
LX3072F230DA3264 11224
LX3072F230DA3334 16282
LX3072F230DA6543 14992
LX3072F240DA6435 14833

Kg. 0,79



LUXOR

LX3 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE / DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

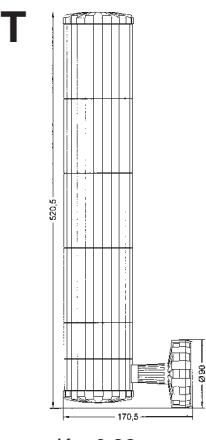
V 12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 25W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	♪ —	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	On ∞

V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.5	0.23	0.11	0.10
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20	20	20
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21

V == ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA acustica [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



LX3112F24DA3264 12327
LX3112F48DA3261 14463
LX3112F230DA1623 14967
LX3112F230DA3264 12330
LX3112F240DA3264 12331



Kg. 0,92



LX3083F24DA1234 14382
LX3083F24DA3264 11801
LX3083F24DA3514 14838

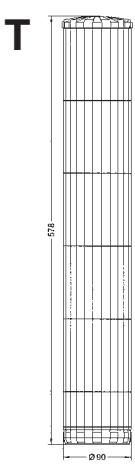
IP 30



Kg. 1,36



LX3073F24DA32614 11267
LX3073F24DA35541 14933
LX3073F230DA32614 11270
LX3073F230DA53535 14772
LX3073F240DA62626 14779
LX3073F240DA65656 14776



Kg. 0,94



LX3084F24DA32614 11836
LX3084F230DA32614 11839

IP 30



Kg. 1,51

LX3 084 F



LX3074F24DA32615 11291
LX3074F48DA32615 11292
LX3074F110DA32615 11293
LX3074F230DA32615 11294
LX3074F240DA32615 11295



Kg. 1,10

LX3 074 F



LX4 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

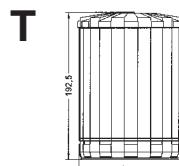
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	—	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On ∞

V ===	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21



LX4 010 F



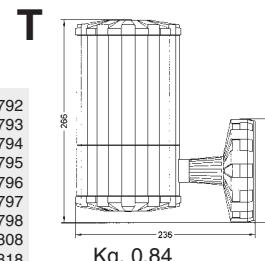
Kg. 0,51

LX4010F12DA1	10230	LX4010F48DA2	10243	LX4010F230DA3	10256
LX4010F12DA2	10231	LX4010F48DA3	10244	LX4010F230DA4	10257
LX4010F12DA3	10232	LX4010F48DA4	10245	LX4010F230DA5	10258
LX4010F12DA4	10233	LX4010F48DA5	10246	LX4010F230DA6	10259
LX4010F12DA5	10234	LX4010F48DA6	10247	LX4010F240DA1	10260
LX4010F12DA6	10235	LX4010F110DA1	10248	LX4010F240DA2	10261
LX4010F24DA1	10236	LX4010F110DA2	10249	LX4010F240DA3	10262
LX4010F24DA2	10237	LX4010F110DA3	10250	LX4010F240DA4	10263
LX4010F24DA3	10238	LX4010F110DA4	10251	LX4010F240DA5	10265
LX4010F24DA4	10239	LX4010F110DA5	10252	LX4010F240DA6	10264
LX4010F24DA5	10240	LX4010F110DA6	10253		
LX4010F24DA6	10241	LX4010F230DA1	10254		
LX4010F48DA1	10242	LX4010F230DA2	10255		

LX4040F24DA1	10792	LX4040F24DA2	10793		
LX4040F24DA3	10794	LX4040F24DA4	10795		
LX4040F24DA5	10796	LX4040F24DA6	10797		
LX4040F24DA7	10798	LX4040F48DA1	10798		
LX4040F110DA5	10808	LX4040F110DA6	10808		
LX4040F240DA3	10818	LX4040F240DA3	10818		

LX4080F24DA1	11576	LX4080F24DA2	11577		
LX4080F230A3	11596	LX4080F230A3	11596		
LX4080F240A3	11602	LX4080F240A3	11602		

IP 30

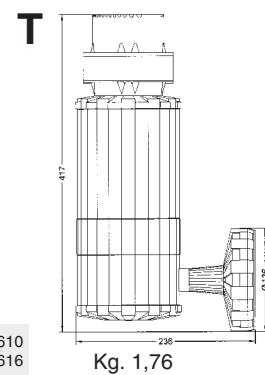


Kg. 0,84

LX4 040 F

LX4120F110A2	12610	LX4120F230A2	12616

IP 30



LX4 120 F

V === ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850

LX4 060 F

T	IP 30	T	IP 30
LX4060F12DA34	14839	LX4060F24DA22	11021
LX4060F24DA34	14664	LX4060F24DA34	11022
LX4060F48DA22	14902	LX4060F110A31	14970
LX4060F48DA66	14902	LX4060F230DA22	11024
LX4060F230DA34	14310	LX4060F230DA34	14310

Kg. 1,67

T	IP 30	T	IP 30
LX4150F24DA22	12913	LX4150F24DA34	16271
LX4150F230A22	12916	LX4150F230A34	16270
LX4150F230A34	16270	LX4150F230A34	16270

Kg. 3,52

LX4 080 F

Kg. 1,48

T	IP 30	T	IP 30
LX4070F24DA34	11133	LX4070F24DA36	14806
LX4070F24DA55	14194	LX4070F48DA34	11134
LX4070F110DA34	11135	LX4070F230DA34	11136
LX4070F230DA35	14614	LX4070F230DA35	14923
LX4070F230DA54	14923	LX4070F230DA56	14791
LX4070F240DA34	11137	LX4070F240DA34	11137

Kg. 1,76

LX4 070 F

Kg. 0,95



LUXOR

LX4 F - LUCE FISSA SENZA ELETTRONICA

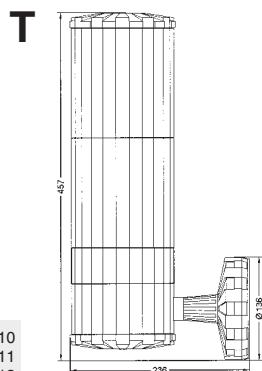
CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE / DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0	IP 30 54			°C -30 +40 On ∞
1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTOLOSCHEND SESTOGLIENDO AUTOEXTINGUIBLE			
V ===	12 24 48 110 230 240			
V ~	12 24 48 110 230 240			
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3 0.92 0.36 0.17 0.16		
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40 60 60 30 30		
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40 20 16 17 17		
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74 40 24 21 21		



LX4 110 F

LX4110F12DA34 12210
LX4110F24DA34 12211
LX4110F110DA34 12213
LX4110F230DA34 12214
LX4110F240DA34 12215



Kg. 1,31



LX4 071 F

LX4071F24DA324 11187
LX4071F24DA354 14542
LX4071F24DA413 14527
LX4071F48DA324 11188
LX4071F48DA354 14267
LX4071F110DA321 14295
LX4071F110DA324 11189
LX4071F230DA235 14615
LX4071F230DA324 11190
LX4071F230DA333 14628
LX4071F230DA346 16204
LX4071F230DA435 14948
LX4071F230DA462 14913
LX4071F240DA153 16290
LX4071F240DA324 11191
LX4071F240DA354 14720

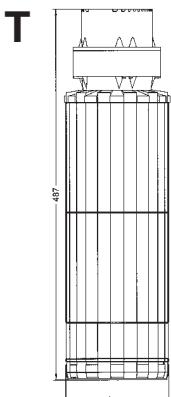


Kg. 1,27



LX4 081 F

IP 30



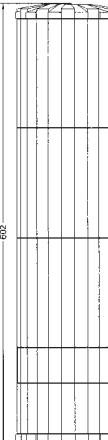
LX4081F240A34 11715

Kg. 1,73



LX4 111 F

LX4111F24DA324 12281
LX4111F24DA354 14999
LX4111F110DA324 12283
LX4111F230DA324 12284
LX4111F230DA354 14455
LX4111F240DA143 16229
LX4111F240DA543 16225

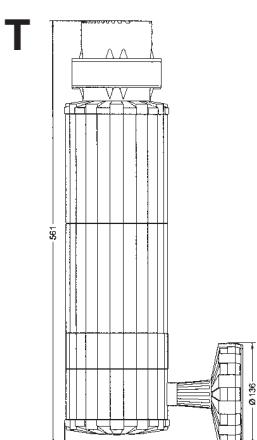


Kg. 1,63



LX4 121 F

IP 30

LX4121F24DA34 12701
LX4121F230A34 12704

Kg. 2,05



LX4 082 F

LX4082F24DA324 11761
LX4082F230A324 11764



Kg. 2,05



LX4 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

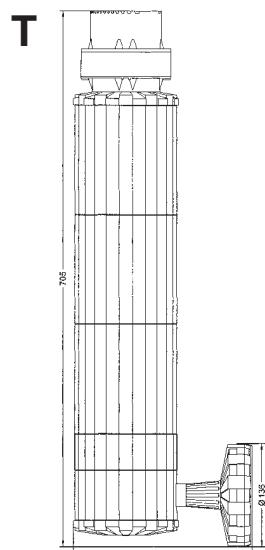
V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	♪ —	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On ∞

V ===	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichlelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21



LX4 122 F

LX4122F230A324 12764
LX4122F230A345 16284

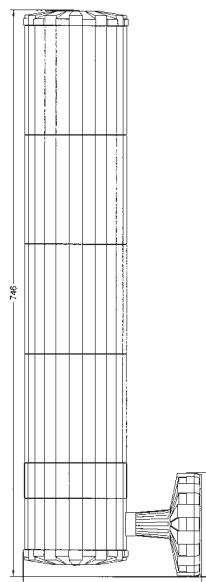


Kg. 2,57

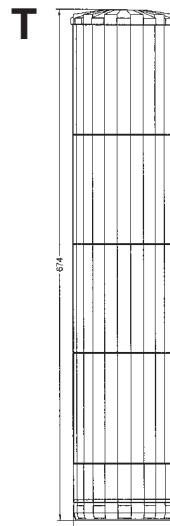


LX4 112 F

LX4112F230DA3355 14813
LX4112F240DA3241 14989



Kg. 1,95



LX4 072 F

Kg. 1,59

LX4072F24DA1234 14879 LX4072F110DA3264 11229 LX4072F230DA3514 16213
LX4072F24DA2145 14936 LX4072F230DA3241 14830 LX4072F230DA3546 14790
LX4072F24DA3264 11227 LX4072F230DA3264 11230 LX4072F240DA3264 11231
LX4072F24DA4531 14855 LX4072F230DA3334 16266



LX4 083 F

LX4083F24DA3241 14949
LX4083F24DA3264 11811
LX4083F240DA3461 16240



Kg. 2,37



LUXOR

LX4 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE / DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	□	♪ —	°C -30 +40
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	On ∞

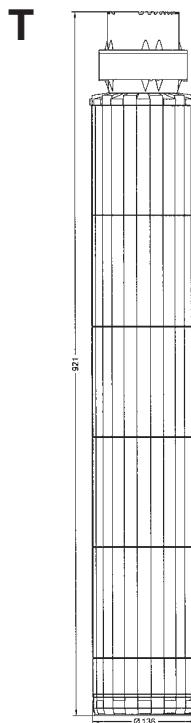
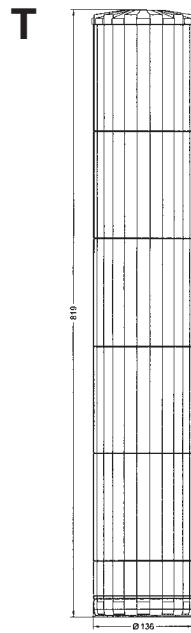
V ===	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21

V === ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



LX4 073 F

LX4073F24DA32614	11273
LX4073F24DA64153	14269
LX4073F110DA32614	11275
LX4073F230DA33333	14881
LX4073F230DA44444	14882
LX4073F230DA63514	14358



LX4 074 F

LX4074F24DA32615	11301
LX4074F110DA32615	11303
LX4074F230DA32615	11304



Kg. 2,24



LX4 084 F

LX4084F230A32614 11833

Kg. 2,69



LX4 R - LUCE ROTANTE

ROTATING BEACON / FEU TOURNANT / DREHSPIEGELLEUCHTE / LUZ ROTATIVA

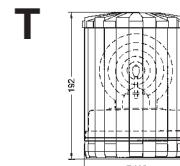
V 12-24-48-110-230-240 ($\pm 10\%$)	Ba15s 45W	Ba15d 40W	H1 55W - 70W	---
\sim 50/60 Hz	r.p.m. 65±10	IP 30 54	—	°C -30 +40
		1 2 3 4 5 6	PC	AUTO-ESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

V ===	12	24	48	-	-	-	-
\sim	12	24	-	48	110	230	240
A [Ba15s 45W] LX4 201 R	4	2.1	1	-	-	-	-
Cd(p) LX4 201 R	4000	4000	4000	-	-	-	-
A [Ba15d 40W] LX4 200 R - LX4 201 R	3.3	1.6	-	1	0.4	0.2	0.2
Cd(p) LX4 200 R - LX4 201 R	1500	1000	-	1400	800	250	250
A [H1 55-70W] LX4 201 R	4.8	3.1	-	-	-	-	-
Cd(p) LX4 201 R	6000	6000	-	-	-	-	-
mA acustica [DC]	Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-	-
mA acustica [AC]	Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	-	-	80	40
dB(A) 1m [DC]	83	82	-	-	-	-	-
dB(A) 1m [AC]	86	85	-	-	88	88	88
Hz	1000	850	-	-	850	850	850



LX4 200 R

LX4200R12D2	15002	LX4200R24A3	15033	LX4200R230A4	15064
LX4200R24D2	15022	LX4200R24A5	15035	LX4200R230A5	15065
LX4200R24D3	15023	LX4200R110A2	15052	LX4200R240A1	15071
LX4200R24D5	15025	LX4200R110A3	15053	LX4200R240A2	15072
LX4200R48A2	15042	LX4200R110A5	15055	LX4200R240A3	15073
LX4200R24A1	15031	LX4200R230A2	15062		
LX4200R24A2	15032	LX4200R230A3	15063		

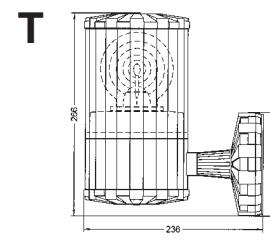


Kg. 0,82



LX4 210 R

LX4210R24D2	15522	LX4210R230A2	15562	LX4210R240A2	15572
LX4210R24D3	15523	LX4210R230A3	15563	LX4210R240A3	15573
LX4210R110A5	15555	LX4210R240A1	15571		

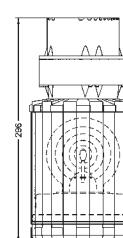


Kg. 1,20



LX4 220 R

IP 30					
LX4220R24A5	15903	LX4220R110A5	15915	LX4220R230A5	15921

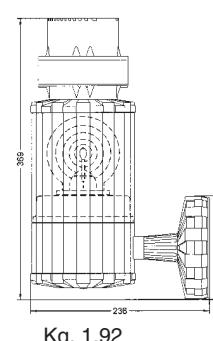


Kg. 1,61



LX4 230 R

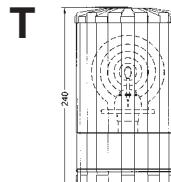
IP 30					
LX4230R230A5	16103				



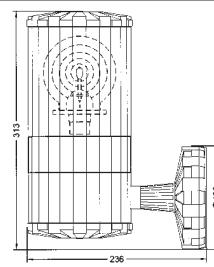
Kg. 1,92

V 12-24-48-110-230-240 ($\pm 10\%$)	 Ba15s 45W	 Ba15d 40W	 H1 55W - 70W	---
\sim 50/60 Hz	r.p.m. 65±10	IP 30 54	 —	°C -30 +40
		 1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING SELFT-LOSCHEND AUTOEXTINGUIBLE

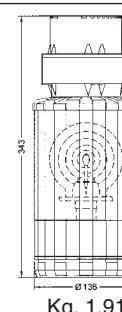
V =	12	24	48	—	—	—	—
V \sim	12	24	—	48	110	230	240
A [Ba15s 45W] LX4 201 R	4	2.1	1	—	—	—	—
Cd(p) LX4 201 R	4000	4000	4000	—	—	—	—
A [Ba15d 40W] LX4 200 R - LX4 201 R	3.3	1.6	—	1	0.4	0.2	0.2
Cd(p) LX4 200 R - LX4 201 R	1500	1000	—	1400	800	250	250
A [H1 55-70W] LX4 201 R	4.8	3.1	—	—	—	—	—
Cd(p) LX4 201 R	6000	6000	—	—	—	—	—
mA acustica [DC] Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—	—
mA acustica [AC] Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—	—
dB(A) 1m [AC]	86	85	—	—	88	88	88
Hz	1000	850	—	—	850	850	850

**LX4 201 R**

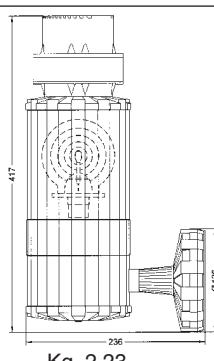
Kg. 1,09

**LX4 211 R**

Kg. 1,39

**LX4 221 R****IP 30**

Kg. 1,91

**LX4 231 R****IP 30**

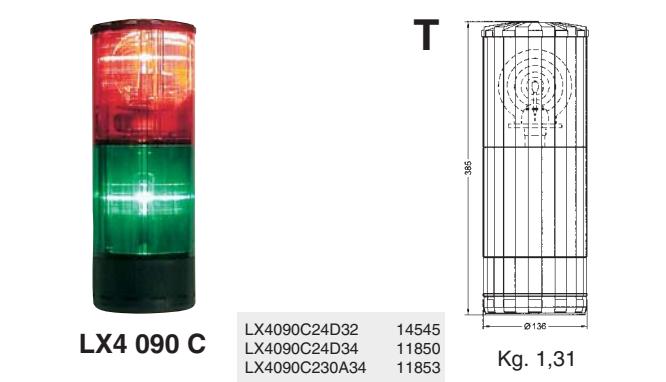
Kg. 2,23



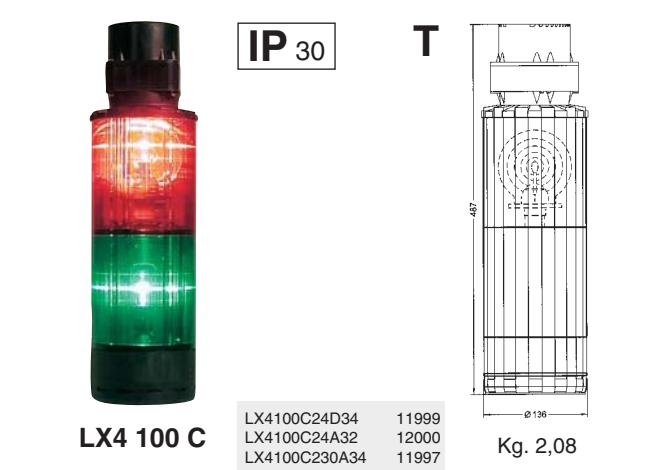
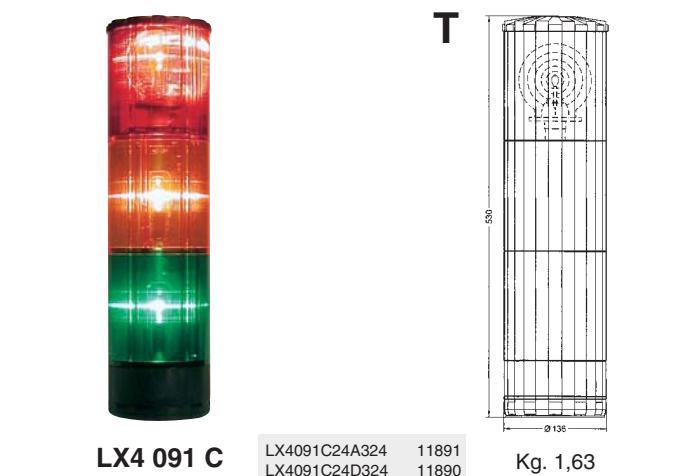
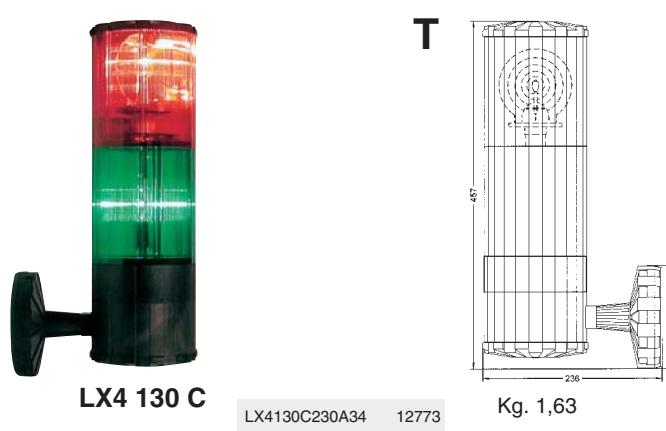
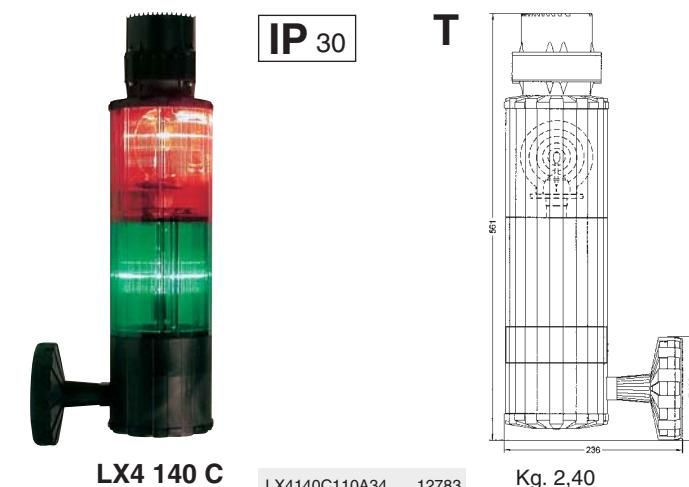
LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE + LUCE ROTANTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS + ROTATING BEACON / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE + FEU TOURNANT / BLINK- ODER DAUERLICHT MIT ELEKTRONIK + DREHSPIEGELLEUCHTE / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA + LUZ ROTATIVA

V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54	— / ---	°C -30 +40	On ∞
1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINQUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			
V ===	12 24 110 230 240			
V ~	12 24 110 230 240			
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8 1.3 0.36 0.17 0.16			
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichlelement / Cd(p) elemento luminoso	60 40 60 30 30			
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80 40 16 17 17			
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140 74 24 21 21			



V === ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	—	—	—
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850





LUXOR

LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE + LUCE ROTANTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS + ROTATING BEACON / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE + FEU TOURNANT /

BLINK-ODER DAUERLICHT MIT ELEKTRONIK + DREHSPIEGELLEUCHTE / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA + LUZ ROTATIVA

V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0 - 110±20	IP 30 54	— / ---	°C -30 +40	On ∞
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

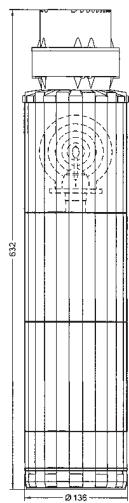
V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

V == ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	-	-	-
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850



IP 30

T



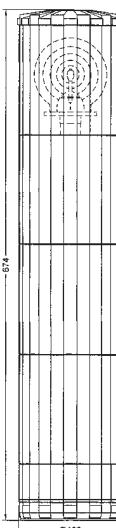
LX4 101 C

Kg. 2,86

LX4101C12D324 12018 LX4101C24D364 14748 LX4101C24A324 12021



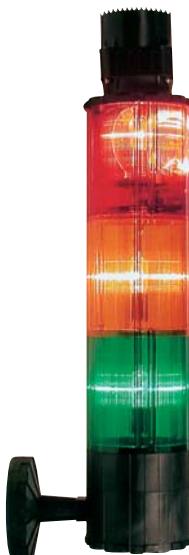
T



LX4 092 C

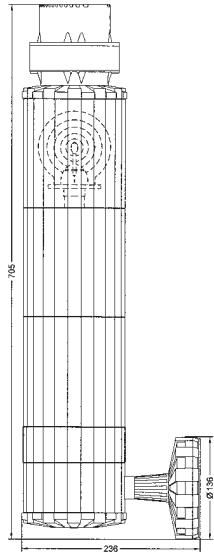
Kg. 1,95

LX4092C24A3564 14847



IP 30

T



LX4 141 C

Kg. 3,18

LX4141C24A323 14743 LX4141C24A453 15000 LX4141C110A324 12792
LX4141C24A324 12791 LX4141C24D324 12790 LX4141C230A324 12793

IP 30

T



LX4 102 C

Kg. 2,72

LX4102C24D3264 12050 LX4102C24A3264 12051 LX4102C230A3264 12053



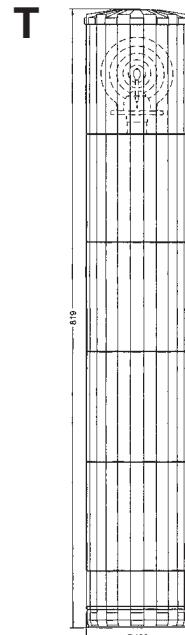
LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE + LUCE ROTANTE

BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS + ROTATING BEACON / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE + FEU TOURNANT / BLINK- ODER DAUERLICHT MIT ELEKTRONIK + DREHSPIEGELLEUCHTE / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA + LUZ ROTATIVA

V 12-24-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD 205 ¹⁰⁵	---	50/60 Hz
Flash/min. 0 - 110±20	IP 30 54	— / ---	°C -30 +40	On ∞
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

V ===	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	24	21	21

V === ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	—	—	—
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850



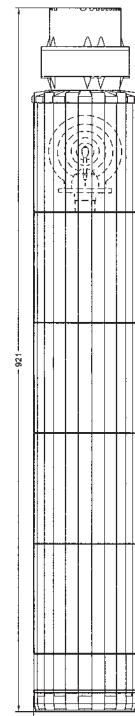
LX4 093 C

LX4093C24D12432 14515

Kg. 2,25



IP 30



LX4 103 C

LX4103C110A53264 14875

Kg. 3,05



LUXOR

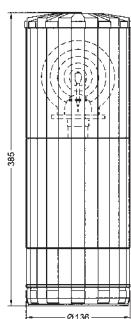
LX4 F - LUCE FISSA SENZA ELETTRONICA + LUCE ROTANTE

CONTINUOUS LIGHT WITHOUT ELECTRONICS + ROTATING BEACON / LUMIERE FIXE SANS ELECTRONIQUE + FEU TOURNANT / DAUERLICHT OHNE ELEKTRONIK + DREHSPIEGELLEUCHTE / LUZ FIJA SIN ELECTRÓNICA + LUZ ROTATIVA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	—	°C -30 +40	On ∞
1 2 3 4 5 6 / PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			
V ===	12 24 48 110 230 240			
V ~	12 24 48 110 230 240			
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3 0.92 0.36 0.17 0.16		
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40 60 60 30 30		
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40 20 16 17 17		
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74 40 24 21 21		



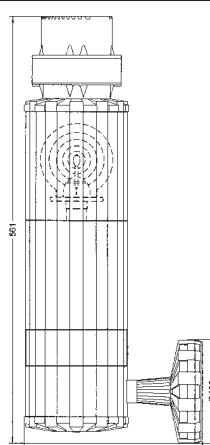
LX4 090 F

LX4090F24D34 11926
LX4090F24D54 16211

Kg. 1,28



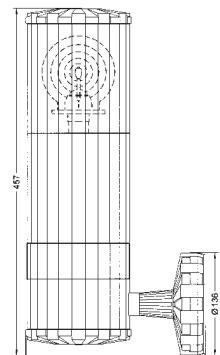
LX4 140 F

LX4140F24A15 14800
LX4140F110A34 12815

Kg. 2,38



LX4 130 F

LX4130F24A34 12796
LX4130F24D34 12801

Kg. 1,60



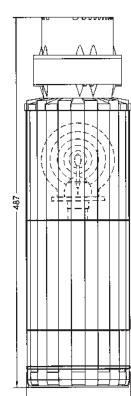
LX4 091 F

LX4091F24A324 11934
LX4091F24D324 11971
LX4091F230A324 11974

Kg. 1,60



IP 30

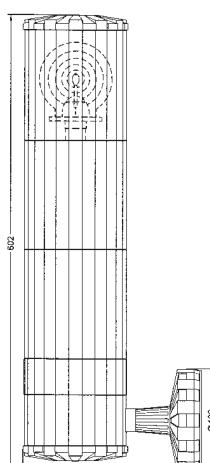


Kg. 2,05



LX4 131 F

LX4131F24A324 12798



Kg. 1,92



LX4 F - LUCE FISSA SENZA ELETTRONICA + LUCE ROTANTE

CONTINUOUS LIGHT WITHOUT ELECTRONICS + ROTATING BEACON / LUMIERE FIXE SANS ELECTRONIQUE + FEU TOURNANT / DAUERLICHT OHNE ELEKTRONIK + DREHSPIEGELLEUCHTE / LUZ FIJA SIN ELECTRÓNICA + LUZ ROTATIVA

V12-24-48-110-230-240 ($\pm 10\%$)	Ba15d 40W	Ba15d LD ₂₀₅ ¹⁰⁵	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	—	°C -30 +40	On ∞
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	

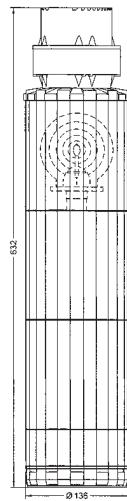
V ===	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichlelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21

V === ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



IP 30

T



LX4 101 F

Kg. 2,37

LX4101F230A324 12094



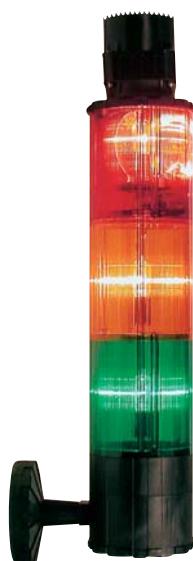
T



LX4 092 F

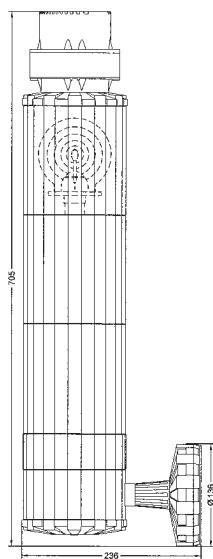
Kg. 1,92

LX4092F24A3264 11936
LX4092F24D1423 16288



IP 30

T



LX4 141 F

Kg. 2,70

LX4141F24D541 14955
LX4141F110A354 14525



IP 30

T



LX4 102 F

Kg. 2,69

LX4102F24D3264 12101 LX4102F24A3264 12107 LX4102F230A3264 12104

LUXOR

LX4 F - LUCE FISSA SENZA ELETTRONICA + LUCE ROTANTE

CONTINUOUS LIGHT WITHOUT ELECTRONICS + ROTATING BEACON / LUMIERE FIXE SANS ELECTRONIQUE + FEU TOURNANT / DAUERLICHT OHNE ELEKTRONIK + DREHSPIEGELLEUCHTE / LUZ FIJA SIN ELECTRÓNICA + LUZ ROTATIVA

V12-24-48-110-230-240 ($\pm 10\%$)		Ba15d 40W	Ba15d LD ¹⁰⁵ ₂₀₅	---	~ 50/60 Hz
Flash/min. 0	IP 30 54	—	—	°C -30 +40	On ∞
		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	

V ===	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / mA LD 105 - Leuchtmittel / mA lámpara LD 105	80	40	20	16	17	17
mA lampada LD 205 / LD 205 bulb mA / mA ampoule LD 205 / mA LD 205 - Leuchtmittel / mA lámpara LD 205	140	74	40	24	21	21

V === ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



LX4 093 F

LX4093F24A51616 14353

Kg. 2,24



IP 30

LX4 103 F

LX4103F24D32614 12111
LX4103F24A32614 12109
LX4103F230A32614 12114

Kg. 3,02





LX2 X - LX3 X - LX4 X - LUCE A FLASH
XENON FLASHING BEACON / FEU A ECLATS / BLITZLEUCHTE / LUZ DE DESTELLOS

V 12-24-110-230-240 ($\pm 10\%$)	---	~ 50/60 Hz	J2	J6	1F																																														
Flash/min. 65±10	IP 54	□	°C	-30 +40	On ∞																																														
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE																																																
<table border="1"> <tr> <td>V =</td> <td colspan="2" rowspan="2">12/24</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>V ~</td> <td>110</td> <td>230</td> <td>240</td> </tr> <tr> <td>J2</td> <td>mA LX2</td> <td>240</td> <td>120</td> <td>70</td> <td>50</td> </tr> <tr> <td></td> <td>Cd(p) LX2</td> <td>500</td> <td>500</td> <td>600</td> <td>600</td> </tr> <tr> <td></td> <td>mA LX3</td> <td>500</td> <td>250</td> <td>80</td> <td>70</td> </tr> <tr> <td></td> <td>Cd(p) LX3</td> <td>1500</td> <td>1500</td> <td>1500</td> <td>1500</td> </tr> <tr> <td>J6</td> <td>mA LX4</td> <td>900</td> <td>450</td> <td>80</td> <td>120</td> </tr> <tr> <td></td> <td>Cd(p) LX4</td> <td>3200</td> <td>3200</td> <td>2400</td> <td>2400</td> </tr> </table>						V =	12/24		-	-	-	V ~	110	230	240	J2	mA LX2	240	120	70	50		Cd(p) LX2	500	500	600	600		mA LX3	500	250	80	70		Cd(p) LX3	1500	1500	1500	1500	J6	mA LX4	900	450	80	120		Cd(p) LX4	3200	3200	2400	2400
V =	12/24		-	-	-																																														
V ~			110	230	240																																														
J2	mA LX2	240	120	70	50																																														
	Cd(p) LX2	500	500	600	600																																														
	mA LX3	500	250	80	70																																														
	Cd(p) LX3	1500	1500	1500	1500																																														
J6	mA LX4	900	450	80	120																																														
	Cd(p) LX4	3200	3200	2400	2400																																														



LX2 020 X

LX2020X1224DA2	10271	LX2020X110A3	10284	LX2020X230A5	10292
LX2020X1224DA1	10276	LX2020X110A4	10285	LX2020X230A6	10293
LX2020X1224DA3	10278	LX2020X110A5	10286	LX2020X240A2	10295
LX2020X1224DA4	10279	LX2020X110A6	10287	LX2020X240A3	10296
LX2020X1224DA5	10280	LX2020X230A2	10289	LX2020X240A5	10298
LX2020X1224DA6	10281	LX2020X230A3	10290		
LX2020X110A2	10283	LX2020X230A4	10291		



Kg. 0,19



LX2 050 X

LX2050X1224DA1	10828	LX2050X110A2	10835	LX2050X240A2	10847
LX2050X1224DA2	10829	LX2050X110A5	10838	LX2050X240A3	10848
LX2050X1224DA3	10830	LX2050X230A3	10842		

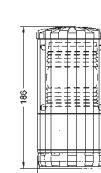


Kg. 0,26



LX3 020 X

LX3020X1224DA1	10306	LX3020X230A1	10318	LX3020X240A2	10325
LX3020X1224DA2	10307	LX3020X230A2	10319	LX3020X240A3	10326
LX3020X1224DA3	10308	LX3020X230A3	10320	LX3020X240A5	10328
LX3020X1224DA5	10310	LX3020X230A4	10321	LX3020X240A6	10329
LX3020X110A2	10313	LX3020X230A5	10322		
LX3020X110A3	10314	LX3020X230A6	10323		
LX3020X110A5	10316	LX3020X240A1	10324		

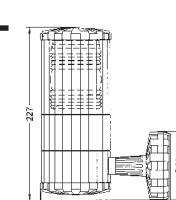


Kg. 0,36



LX3 050 X

LX3050X1224DA3	10860	LX3050X110A3	10866	LX3050X230A3	10872
LX3050X1224DA6	10863	LX3050X110A4	10867	LX3050X240A2	10877
LX3050X110A2	10865	LX3050X230A1	10870	LX3050X240A5	10880

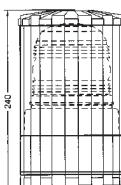


Kg. 0,44

V 12-24-110-230-240 ($\pm 10\%$)	---	~ 50/60 Hz	J2	J6	1F
Flash/min. 65±10	IP 30 54	□	♪ —	°C -30 +40	On ∞
				AUTOESTINGUENTE SELF-EXTINGUISHING SELBSTLÖSCHEND AUTOEXTINGUIBLE	
V ===			12/24	-	-
V ~				110	230
J2	mA LX2	240	120	70	50
	Cd(p) LX2	500	500	600	600
J2	mA LX3	500	250	80	70
	Cd(p) LX3	1500	1500	1500	1500
J6	mA LX4	900	450	80	120
	Cd(p) LX4	3200	3200	2400	2400
	mA acustica [DC] Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	-	-
	mA acustica [AC] Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40
	dB(A) 1m [DC]	83	82	-	-
	dB(A) 1m [AC]	86	85	88	88
	Hz	1000	850	850	850


LX4 020 X

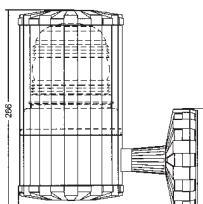
LX4020X1224DA2	10337	LX4020X110A5	10346	LX4020X240A1	10354
LX4020X1224DA3	10338	LX4020X230A1	10348	LX4020X240A2	10355
LX4020X1224DA4	10339	LX4020X230A2	10349	LX4020X240A3	10356
LX4020X1224DA5	10340	LX4020X230A3	10350		
LX4020X110A2	10343	LX4020X230A4	10351		
LX4020X110A3	10344	LX4020X230A5	10352		



Kg. 0,84


LX4 050 X

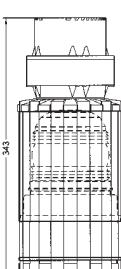
LX4050X1224DA1	10888	LX4050X230A3	10902	LX4050X240A3	10908
LX4050X1224DA3	10890	LX4050X230A6	10905		
LX4050X230A2	10901	LX4050X240A2	10907		



Kg. 1,25


LX4 021 X

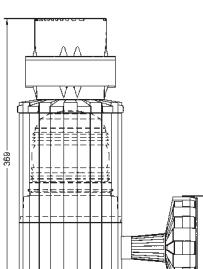
LX4021X1224DA3	15829	LX4021X110A3	15835
LX4021X1224DA5	15831	LX4021X230A4	15842



Kg. 1,38


LX4 051 X

LX4051X1224DA1	15851	LX4051X1224DA4	15854
LX4051X1224DA2	15852	LX4051X1224DA5	15855
LX4051X1224DA3	15853	LX4051X1224DA6	15856



Kg. 1,73



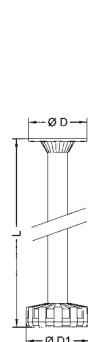
LUXOR

ACCESSORI / ACCESSORIES / ACCESSOIRES / ZUBEHÖR / ACCESORIOS

Prolunga rigida / Rigid extension / Tige rigide /
Standrohr / Prolongador rígido



PR1A	72670	PR4A	72673
PR2A	72671	PR1B	72674
PR3A	72672	PR2B	72675



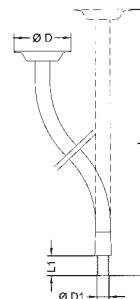
LUXOR 1 **LUXOR 2** **LUXOR 3** **LUXOR 4**

PR1 A	PR2 A	PR3 A	PR4 A
Ø D 38 mm	Ø D 58 mm	Ø D 81 mm	Ø D 127 mm
Ø D1 50 mm	Ø D1 65 mm	Ø D1 90 mm	Ø D1 136 mm
L 180 mm	L 230 mm	L 235 mm	L 450 mm
Kg. 0,10	Kg. 0,14	Kg. 0,23	Kg. 0,57
PR1 B	PR2 B	PR3 B	
Ø D 38 mm	Ø D 58 mm	Ø D 81 mm	
Ø D1 50 mm	Ø D1 65 mm	Ø D1 90 mm	
L 480 mm	L 630 mm	L 635 mm	
Kg. 0,19	Kg. 0,33	Kg. 0,45	

Prolunga flessibile / Flexible extension / Rallonge flexible / Flexibles Rohr / Prolongador flexible



PF1	72677
PF2	72678
PF3	72679

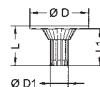


PF1	PF2	PF3
Ø D 38 mm	Ø D 58 mm	Ø D 81 mm
Ø D1 M12x1,5	Ø D1 M12x1,5	Ø D1 M14x1,5
L1 20 mm	L1 20 mm	L1 20 mm
L 260 mm	L 370 mm	L 470 mm
Kg. 0,19	Kg. 0,26	Kg. 0,61

Base per tubo / Base for tube / Base pour tige /
Gestell für Rohr / Base para soporte tubular



BT1	72680	BT3	72682
BT2	72681	BT4	72683



BT1	BT2	BT3	BT4
Ø D 38 mm	Ø D 58 mm	Ø D 81 mm	Ø D 127 mm
Ø D1 14 mm	Ø D1 18 mm	Ø D1 23 mm	Ø D1 33 mm
L1 20 mm	L1 27 mm	L1 40 mm	L1 42 mm
L 30 mm	L 40 mm	L 55 mm	L 60 mm
Kg. 0,01	Kg. 0,015	Kg. 0,04	Kg. 0,07

Base multipla componibile / Multiple combinable base / Base multiple modulaire /
Zusammenstellbarer Mehrfachsockel / Base múltipla componible



BMC1	72684
BMC2	72685
BMC3	72686

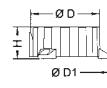


BMC1	BMC2	BMC3
H1 21 mm	H1 21 mm	H1 21 mm
H 32 mm	H 34 mm	H 36 mm
R 21 mm	R 31 mm	R 43 mm
L 70 mm	L 100 mm	L 158 mm
Kg. 0,05	Kg. 0,10	Kg. 0,16

Box di giunzione / Junction box / Boîte de jonction / Klemmkasten / Caja de conexión



BC1/BC2INC.	72689
BC1/BC2SEP.	72688



BC1-BC2

Ø D 70 mm
Ø D1 90 mm
H 32 mm
Kg. 0,035

**LUXOR**

RICAMBI / SPARE PARTS / PIECES DE RECHANGE / ERSATZTEILE / REPUESTOS

**LAMPADA A FILAMENTO per: LX1**

FILAMENT BULB for: LX1 / AMPOULE A FILAMENT pour: LX1 / GLÜHGLAMPE für: LX1 / LÁMPARA DE FILAMENTO para: LX1

**Ba9s
4W**

LRBA9S4W12	72750
LRBA9S4W24	72751
LRBA9S4W48	72752
LRBA9S4W110	72753
LRBA9S4W230	72755
LRBA9S4W240	72756

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**LAMPADA A FILAMENTO per: LX2**

FILAMENT BULB for: LX2 / AMPOULE A FILAMENT pour: LX2 / GLÜHGLAMPE für: LX2 / LÁMPARA DE FILAMENTO para: LX2

**Ba9s
10W**

LRBA9S10W12	72761
LRBA9S10W24	72762
LRBA9S10W48	72763
LRBA9S10W110	72764
LRBA9S10W230	72765
LRBA9S10W240	72766

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**LAMPADA A FILAMENTO per: LX3**

FILAMENT BULB for: LX3 / AMPOULE A FILAMENT pour: LX3 / GLÜHGLAMPE für: LX3 / LÁMPARA DE FILAMENTO para: LX3

**Ba15d
T 25W**

LRBA15DT25W12	72767
LRBA15DT25W24	72768
LRBA15DT25W48	72769
LRBA15DT25W110	72770
LRBA15DT25W230	72771
LRBA15DT25W240	72772

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**LAMPADA A FILAMENTO per: LX4 200 R - LX4 220 R**

FILAMENT BULB for: LX4 200 R - LX4 220 R / AMPOULE A FILAMENT pour: LX4 200 R - LX4 220 R / GLÜHGLAMPE für: LX4 200 R - LX4 220 R / LÁMPARA DE FILAMENTO para: LX4 200 R - LX4 220 R

**Ba15d
T 40W**

LRBA15DT40W12	72780
LRBA15DT40W24	72781
LRBA15DT40W48	72782
LRBA15DT40W110	72783
LRBA15DT40W230	72784
LRBA15DT40W240	72785

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**LAMPADA A FILAMENTO per: LX4 201 R - LX4 221 R**

HALOGEN BULB for: LX4 201 R - LX4 221 R / AMPOULE HALOGENE pour: LX4 201 R - LX4 221 R / HALOGENLAMPE für: LX4 201 R - LX4 221 R / LÁMPARA HALÓGENA para: LX4 201 R - LX4 221 R

**Ba15s
45W**

LRBA15S45W12	71600
LRBA15S45W24	71601
LRBA15S45W48	71606

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
2.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**TUBO ALLO XENO per: LX2 - LX3**

XENON TUBE for: LX2 - LX3 / TUBE AU XENON pour: LX2 - LX3 / ENTLADUNGSRÖHRE für: LX2 - LX3 / TUBO DE XENÓN para: LX2 - LX3

H1

LRH155W12	71602
LRH170W24	71603

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
1.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**LRX 2J**

LRX2J	71634
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DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
4.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**TUBO ALLO XENO per: LX4**

XENON TUBE for: LX4 / TUBE AU XENON pour: LX4 / ENTLADUNGSRÖHRE für: LX4 / TUBO DE XENÓN para: LX4

LRX 6J

LRX6J1F	71639
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DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
4.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

**LAMPADA A LED per: LX1 - LX2**

LED BULB for: LX1 - LX2 / AMPOULE A LED pour: LX1 - LX2 / LED-LEUCHTMITTEL für: LX1 - LX2 / LÁMPARA DE LED's para: LX1 - LX2

**Ba9s
LD 103**

LD103BA9S12DA2	28932	LD103EXLBA9S24DA8	27858	LD103BA9S110A6	28956
LD103BA9S12DA3	28933	LD103BA9S48DA2	28942	LD103EXLBA9S110A8	28958
LD103BA9S12DA5	28935	LD103BA9S48DA3	28943	LD103BA9S230240A2	28962
LD103BA9S12DA6	28936	LD103BA9S48DA5	28945	LD103BA9S230240A3	28963
LD103EXLBA9S12DA8	28938	LD103BA9S48DA6	28946	LD103BA9S230240A5	28965
LD103BA9S24DA2	27852	LD103EXLBA9S48DA8	28948	LD103BA9S230240A6	28966
LD103BA9S24DA3	27853	LD103BA9S110A2	28952	LD103EXLBA9S230240A8	28968
LD103BA9S24DA5	27855	LD103BA9S110A3	28953		
LD103BA9S24DA6	27856	LD103BA9S110A5	28955		

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL



LUXOR

RICAMBI / SPARE PARTS / PIECES DE RECHANGE / ERSATZTEILE / REPUESTOS
LAMPADA A LED per: LX3 - LX4

LED BULB for: LX3 - LX4 / AMPOULE A LED pour: LX3 - LX4 / LED-LEUCHTMITTEL für: LX3 - LX4 / LÁMPARA DE LED's para: LX3 - LX4


**Ba15d
LD 105**

LD105EXLBA15D12DA1	29571	LD105BA15D24DA6	27886	LD105BA15D110A3	29593
LD105BA15D12DA2	29572	LD105EXLBA15D24DA8	27888	LD105BA15D110A5	29595
LD105BA15D12DA3	29573	LD105EXLBA15D48DA1	29581	LD105BA15D110A6	29596
LD105BA15D12DA5	29575	LD105BA15D48DA2	29582	LD105EXLBA15D110A8	29598
LD105BA15D12DA6	29576	LD105BA15D48DA3	29583	LD105EXLBA15D230A1	29601
LD105EXLBA15D12DA8	29578	LD105BA15D48DA5	29585	LD105BA15D230A2	29602
LD105EXLBA15D24DA1	27881	LD105BA15D48DA6	29586	LD105BA15D230A3	29603
LD105BA15D24DA2	27882	LD105EXLBA15D48DA8	29588	LD105BA15D230A5	29605
LD105BA15D24DA3	27883	LD105EXLBA15D110A1	29591	LD105BA15D230A6	29606
LD105BA15D24DA5	27885	LD105BA15D110A2	29592	LD105EXLBA15D230A8	29608

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

LAMPADA A LED per: LX3 - LX4

LED BULB for: LX3 - LX4 / AMPOULE A LED pour: LX3 - LX4 / LED-LEUCHTMITTEL für: LX3 - LX4 / LÁMPARA DE LED's para: LX3 - LX4


**Ba15d
LD 205**

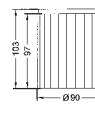
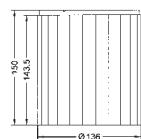
LD205EXLBA15D12DA1	29691	LD205BA15D24DA6	27996	LD205BA15D110A3	29713
LD205BA15D12DA2	29692	LD205EXLBA15D24DA8	27998	LD205BA15D110A5	29715
LD205BA15D12DA3	29693	LD205EXLBA15D48DA1	29701	LD205BA15D110A6	29716
LD205BA15D12DA5	29695	LD205BA15D48DA2	29702	LD205EXLBA15D110A8	29718
LD205BA15D12DA6	29696	LD205BA15D48DA3	29703	LD205EXLBA15D230A1	29721
LD205EXLBA15D12DA8	29698	LD205BA15D48DA5	29705	LD205BA15D230A2	29722
LD205EXLBA15D24DA1	27991	LD205BA15D48DA6	29706	LD205BA15D230A3	29723
LD205BA15D24DA2	27992	LD205EXLBA15D48DA8	29708	LD205BA15D230A5	29725
LD205BA15D24DA3	27993	LD205EXLBA15D110A1	29711	LD205BA15D230A6	29726
LD205BA15D24DA5	27995	LD205BA15D110A2	29712	LD205EXLBA15D230A8	29728

DURATA	TIPO D'IMBALLO
DURATION DUREE LEBENSDAUER DURACIÓN	TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

DIFFUSORI PC / PC DIFFUSERS / DIFFUSEURS PC / PC HAUBEN / DIFUSORES DE PC

Kg. 0,03

Kg. 0,05

Kg. 0,10

Kg. 0,22


DIFFUSORE
DIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX1

DP11	72700
DP12	72701
DP13	72702
DP14	72703
DP15	72704
DP16	72705

DIFFUSORE
DIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX2

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DP26	72715

DIFFUSORE
DIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX3

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DIFFUSORE
DIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX4

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LEGENDA LEGEND LEGENDE LEYENDA

LD =

LAMPADE A LED
LED BULBS
AMPOULES A LED
LED-LEUCHTMITTEL
LÁMPARAS DE LED's

N. LED	Ø LED
LDES -	1 5
LD - 01	5 F
LD - 02	4 F
LD - 03	4 F
LD - 04	4 F
LD - 06	3 F
LD - 10	3
LD - 10	5
LD - 10	5 ELLISSE x TWS
LD - 11	3
LD - 11	5
LD - 14	3 F
LD - 14	5 F
LD - 20	5
LD - 29	5 F
LD - 30	5
LD - 34	5
LD - 37	Q F (Ø 3mm)
LD - 40	5

F = solo luce frontale
frontal light only
lumière frontale seulement
nur vorderes Licht
sólo luz frontal

Q = LED quadrato
Square LED
LED carrée
Viereckige LED
LED cuadrada

N. LED	Ø LED	N. CHIP/LED
LD - 44	5	
LD - 49	5 F	
LD - 51	Q F (Ø 5mm)	
LD - 54	5	
LD - 60	5	
LD - 100	Q F (Ø 5mm)	
LD - 108	5	
LD SO -	54 5	
LD SO -	90 5	
LD SO -	150 5	
LD SO -	210 5	
LD SA -	83 5	
LD SA -	119 5	
LD SA -	139 5	
LD SA -	199 5	
LD SA -	318 5	
LDV - 02	5	
LDV - 03	5	
LDV - 2.5		

BLU EXL - blue - bleu - Blau - azul	1	
ARANCIO - amber - orange - Orange - ámbar	2	
ROSSO - red - rouge - Rot - rojo	3	
GIALLO - yellow - jaune - Gelb - amarillo	5	
BIANCO - white - blanc - Weiß - blanco	6	
VERDE EXL - green - vert - Grün - verde	8	
LD 3.5.4 C - LD 4.5.4 C - LD 3.5.4 SF		
LD 4.5.4 SF - LD 4.5.4 WO	4	



Ba9s

LDE S	LD - 4.5.4 SF
LD - 015 F	LD - 103
LD - 024 F	LD - 113
LD - 034 F	LD - 145 F
LD - 044 F	LD - 145 F
LD - 3.5.4 SF	



Ba15s

LD - 063 F	LD - 115
LD - 103	LD - 145 F
LD - 105	LD - 205
LD - 113	LD - 305



Ba15d

LD - 063 F	LD - 113
LD - 3.5.4 C	LD - 115
LD - 4.5.4 C	LD - 143 F
LD - 3.5.4 SF	LD - 145 F
LD - 4.5.4 SF	LD - 205
LD - 103	LD - 295 F
LD - 4.5.4 WO	LD - 305
LD - 105	
LD - 105 ELLISSE x TWS	



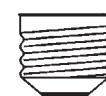
E 10

LD - 3.5.4 SF		
LD - 4.5.4 SF		
LDE S	LD - 103	
LD - 015 F	LD - 113	
LD - 024 F	LD - 143 F	
LD - 034 F	LD - 145 F	
LD - 044 F	LDV - 2.5	



E 14

LD - 105		
LD - 113		
LD - 115		
LD - 063 F	LD - 145 F	
LD - 3.5.4 C	LD - 205	
LD - 4.5.4 C	LD - 305	
LD - 3.5.4 SF	LDV - 025	
LD - 4.5.4 SF	LDV - 035	
LD - 103	LDV - 2.5	



E 27

LD - 37Q F	LD - 605	
LD - 51Q F	LD - 1085 F	
LD - 100Q F	LD SO - 545	
LD - 145 F	LD SO - 905	
LD - 205	LD SO - 1505	
LD - 295 F	LD SO - 2105	
LD - 305	LD SA - 835	
LD - 345	LD SA - 1195	
LD - 405	LD SA - 1395	
LD - 445	LD SA - 1995	
LD - 495 F	LD SA - 3185	
LD - 545		



Felice trinomio tra:

1. **BASSISSIMO CONSUMO DI ENERGIA**
2. **DURATA ILLIMITATA**
3. **DEFINIZIONE OTTICA ECCELLENTE**

es. LD 015 F 0,3W

100.000 ore

LED selezionati tra i prodotti di primarie aziende fornitrice e perfetto pilotaggio elettronico.

Le lampadine LED SIRENA si contraddistinguono inoltre per le seguenti caratteristiche:

- **I circuiti per pilotare le LD sono di avanzatissima tecnologia elettronica e miniaturizzati** per accoglierli nelle sedi degli attacchi delle lampade.
- Sono garantite secondo norme internazionali CE (compatibilità elettromagnetica e sicurezza elettrica).
- **Circuiti incapsulati in resina epossidica** ad alto isolamento per una totale garanzia elettrica e meccanica, in particolare alle vibrazioni secondo la norma DIN 40046.
- **Temperature di esercizio molto contenute** anche con alimentazione in alta tensione (230V servizio continuo, max 30°C).
- Importante: la cupola e/o lo schermo dell'apparecchio deve avere lo stesso colore della LD.

Excellent trinomial between:

1. **VERY LOW POWER CONSUMPTION**
2. **UNLIMITED LIFE**
3. **EXCELLENT OPTICAL OUTPUT**

eg. LD 015 F 0,3W

100.000 hours

LEDS selected from first class suppliers' products and perfect electronic operation.

Furthermore, SIRENA's LED bulbs are distinguished by the following characteristics:

- **The circuits operating the LD have advanced electronic technology. They are miniaturized** to be fitted into the sockets of the bulbs.
- They are guaranteed according to CE international norms (electro-magnetic compatibility and electrical safety).
- **Circuits plunged in epoxy resin** highly insulated for complete electrical and mechanical guarantee, particularly against vibrations, according to DIN norms no. 40046.
- **Low working temperatures** even at high voltages (max. 30°C at 230V continuous operation).
- Important: the dome and/or the shield of the unit must have the same colour as the LD.

Excellent trinôme entre:

1. **TRES BASSE CONSOMMATION**
2. **DUREE ILLIMITEE**
3. **EXCELLENTE DEFINITION OPTIQUE**

ex. LD 015 F 0,3W

100.000 heures

LED selectionnés parmi les produits fournis par des sociétés importantes et parfait pilotage électronique.

Les ampoules à LED SIRENA se distinguent en plus pour les caractéristiques suivantes:

- **Les circuits, pour piloter les LD, sont d'une technologie électronique très avancée et miniaturisés** pour les placer dans les culots des ampoules.
- Elles sont garanties selon les normes internationales CE (compatibilité électromagnétique et sécurité électrique).
- **Circuits noyés dans une résine époxy**, à haute isolation, pour assurer une garantie électrique et mécanique, en particulier contre les vibrations (normes DIN 40046).
- **Températures de fonctionnement très basses** même avec une alimentation à haute tension (230V service continu à 30°C max).
- Important: le dôme et/ou l'écran du dispositif doit avoir la même couleur de la LD.

Vortreffliches Trinom:

1. **NIEDRIGER STROMVERBRAUCH**
2. **UNBEGRENZTE LEBENSDAUER**
3. **SEHR GUTE OPTISCHE SCHÄRFE**

z. B. LD 015 F 0,3W

100.000 Stunden

ausgewählte LED's unter den Produkten von wichtigen Lieferfirmen und perfekte elektronische Steuerung.

Außerdem unterscheiden sich die SIRENA LED-Leuchtmittel für folgende Eigenschaften:

- **Die miniaturisierten Schaltkreise, um diese LED-Leuchtmittel zu steuern, sind das Ergebnis einer fortschrittlichen elektronischen Technologie,** um diese in den Sockeln der Leuchtmittel einzusetzen.
- Die Leuchtmittel sind nach internationalen EG-Normen garantiert (EMV-Norm und elektrische Sicherheit).
- **Schaltkreise in epoxydischen Harz vergossen**, (hohe Isolation), um eine elektrische und mechanische Garantie, besonders gegen Vibrationen gemäß DIN-Norm 40046, zu gewährleisten.
- **Niedrige Betriebstemperaturen** auch mit Hochspannung (230V Dauerbetrieb max 30°C).
- Wichtig: die Haube und/oder die Abdeckung des Gerätes muß die selbe Farbe des LD haben.

Perfecto trinomio entre:

1. **CONSUMO BAJISIMO DE ENERGIA**
2. **DURACIÓN ILIMITADA**
3. **EXCELENTE DEFINICIÓN ÓPTICA**

ej. LD 015 F 0,3W

100.000 horas

LED's seleccionados entre los productos de primarias compañías abastecedoras y pilotaje electrónico perfecto.

Además, las lámparas de LED's de SIRENA presentan las peculiaridades siguientes:

- **Para pilotar las LD, se emplean circuitos de tecnología electrónica muy avanzada, miniaturizados** para acogerlos en los asientos de los zócalos de las lámparas.
- Se garantizan de conformidad con normas internacionales CE (compatibilidad electromagnética y seguridad eléctrica).
- **Circuitos encapsulados en resina epoxídica** de alto aislamiento para una garantía eléctrica y mecánica global, sobre todo con respecto a las vibraciones de conformidad con normas DIN 40046.
- **Temperaturas de trabajo cuidadosamente comprobadas** también con alimentación en alta tensión (230V servicio continuo a max 30°C).
- Importante: la cúpula y/o la pantalla del aparato debe ser del mismo color de la LD.

Comparazione tecnica fra lampadine a filamento e lampadine a LED SIRENA

Caratteristica	Lampadine a filamento garanzia di 2.000 ore nelle seguenti condizioni:	Lampadine LED SIRENA Garanzia 100.000 ore nelle seguenti condizioni:
Installazione	lampadina in posizione verticale	qualsiasi posizione
Temperatura	T = +20 °C	T = -30 °C ÷ +50 °C Luce emessa e consumo sono invariati nel range di temperatura indicato
Alimentazione	tensione nominale deve essere scrupolosamente rispettata	Tolleranza -10% +15% rispetto alla tensione nominale
Resistenza alle vibrazioni	in assenza di vibrazioni	Resistenza alle vibrazioni secondo DIN 40046
Accensione / spegnimento	1 sola accensione - una sequenza di accensioni/ spegnimenti riduce la vita della lampadina	Stessa durata anche se sottoposta a fasi di accensione/spegnimento
Risparmio energetico	es. a 25 ore di funzionamento una lampada a 40W 12V - 230V consuma 1kW	es. a 1110 ore di funzionamento la LD 145 12V consuma 1kW a 270 ore di funzionamento la LD 145 230 V consuma 1kW
Mantenzione	costo per sostituzione frequente lampada bruciata	nessuna manutenzione per sostituzione lampada

Comparison between filament bulbs and SIRENA LED bulbs

Characteristics	Filament bulbs guarantee 2.000 hours under the following conditions:	SIRENA LED bulbs guarantee 100.000 hours under the following conditions:
Installation	bulb placed vertically	in any position
Temperature	T = +20 °C	T = -30 °C ÷ +50 °C Light output and power consumption remain unchanged in the temperature range indicated
Power Supply	nominal voltage must be scrupulously respected	Tolerances -10% +15% in respect of the nominal voltage
Vibration resistance	without vibrations	Vibration tests according to norms DIN 40046
ON / OFF Cycles	1 ON cycle - a series of ON / OFF cycles reduces the life of the bulb	Life unchanged even when subject to a series of ON/OFF cycles.
Energy Saving	e.g. after 25 hours working at 40W 12V - 230V filament bulb uses 1kW	e.g. after 1110 hours working the LD 145 12V uses 1kW after 270 hours working the LD 145 230V uses 1kW
Maintenance	costs for replacement of burnt bulb	No maintenance required for bulb replacement

Comparaison technique entre ampoules à filament et ampoules à LED SIRENA

Caractéristique	Ampoules à filament garantie de 2.000 heures dans les conditions suivantes:	Ampoules à LED SIRENA Garantie 100.000 heures dans les conditions suivantes:
Installation	ampoule en position verticale	toute position
Température	T = +20 °C	T = -30 °C ÷ +50 °C Lumière émise et consommation restent inchangées dans l'intervalle de température indiqué
Alimentation	la tension nominale doit être scrupuleusement respectée	Tolérance -10% +15% par rapport à la tension nominale
Résistance aux vibrations	en absence de vibrations	Résistance aux vibrations selon la norme DIN 40046
Allumage / Extinction	un seul allumage - une séquence de allumages / extinctions réduit la durée de vie de l'ampoule	Même durée même si soumises à des phases de allumage/extinction
Epargne énergétique	ex. à 25 heures de fonctionnement une ampoule à 40W 12V - 230V absorbe 1kW	ex. à 1110 heures de fonctionnement la LD 145 12V absorbe 1kW à 270 heures de fonctionnement la LD 145 230 V absorbe 1kW
Entretien	coût pour remplacement fréquent de l'ampoule brûlée	pas d'entretien pour remplacement ampoule

Technischer Vergleich zwischen Glühlampen und SIRENA LED-Leuchtmittel

Eigenschaft	Glühlampen 2.000 std. unter folgenden Bedingungen garantiert:	SIRENA LED-Leuchtmittel 100.000 std. unter folgenden Bedingungen garantiert:
Installation	Glühlampe in senkrechter Position	beliebige Montageposition
Temperatur	T = +20 °C	T = -30 °C ÷ +50 °C Die Lichtintensität und der Stromverbrauch bleiben in diesem Temperaturbereich konstant
Spannung	die Nennspannung muß eingehalten werden	Toleranz -10% +15% der Nennspannung
Vibrationsfestigkeit	vibrationsfrei	Auch bei Vibrat. Die Leuchtmittel wurden getestet nach der DIN 40046
Ein/Ausschaltungszyklen	1 einziges Einschalten- ein häufiges Ein-und Ausschalten reduziert die Lebensdauer des Leuchtmittels	das LED-Leuchtmittel bleibt unverändert auch bei häufigen Ein/Ausschaltungszyklen
Energiesparen	z.B. Bei 25 Betriebsstunden liegt der Verbrauch eines 40W 12V - 230V Leuchtmittels bei 1kW	z.B. Bei 1110 Betriebsstunden liegt der Verbrauch einer LD 145 12V bei 1kW Bei 270 Betriebsstunden liegt der Verbrauch einer LD 145 230V bei 1kW
Wartung	Es entstehen Kosten durch häufigen Ersatz von defekten Leuchtmitteln	So gut wie keine Wartungskosten durch hohe Lebensdauer des Leuchtmittels

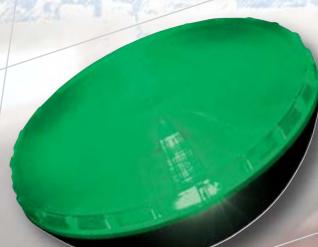
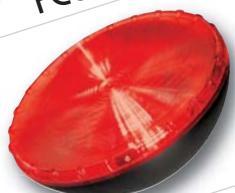
Comparación técnica entre lámparas incandescentes y lámparas de LED's SIRENA

Característica	Lámparas incandescentes garantía de 2.000 horas en las siguientes condiciones:	Lámparas de LED's SIRENA garantía de 100.000 horas en las siguientes condiciones:
Instalación	Lámpara en posición vertical	cualquier posición
Temperatura	T = +20 °C	T = -30 °C ÷ +50 °C Luz emitida y consumo no cambian en el intervalo de temperatura indicado
Alimentación	el voltaje nominal debe siempre respetarse	Tolerancia -10% +15% con respecto al voltaje nominal
Resistencia a las vibraciones	en ausencia de vibraciones	Ensaya de resistencia a las vibraciones según DIN 40046
Encendido / apagado	1 solo encendido (muchos encendidos/apagados disminuyen la duración de la lámpara)	Misma duración aunque sujeta a fases de encendido/apagado
Ahorro energético	ejemplo: tras 25 horas de empleo una lámpara de 40W 12V - 230V consume 1kW	ejemplo: tras 1110 horas de empleo la LD 145 12V consume 1kW tras 270 horas de empleo la LD 145 230V consume 1kW
Mantenimiento	Costes por muchos remplazos de la lámpara fundida	no mantenimiento necesario para remplazo de la lámpara



FEU LED 300

FEU LED 200



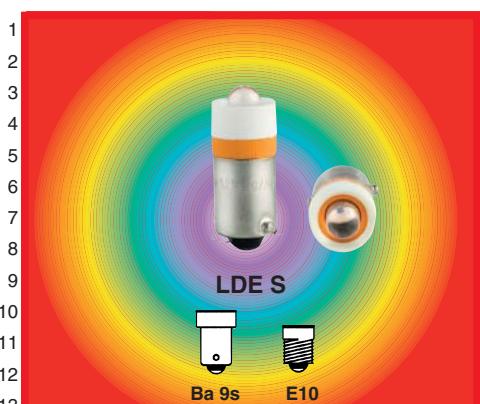
NUOVA LINEA LAMPADE A LED SEMAFORICHE FEU LED 200 - FEU LED 300

NEW RANGE
OF LED LAMPS FOR TRAFFIC LIGHTS
FEU LED 200 - FEU LED 300

NOUVELLE LIGNE
D'AMPOULES A LED'S POUR FEUX ROUTIERS
FEU LED 200 - FEU LED 300

NEUE LINIE
VON LED LAMPEN FÜR VERKEHRSAMPTELN
FEU LED 200 - FEU LED 300

NUEVA LÍNEA
DE LÁMPARAS DE LED'S PARA SEMÁFOROS
FEU LED 200 - FEU LED 300


LD

Codice Code Kode Código	Zoccolo Socket Culot Sokkel Záclapa	Confezione 10 pz. 10 pc. box Boîte de 10 pièces 10 stückiger Schachtel Caja de 10 unidades
----------------------------------	---	--

32701	LDE S EXL BA9S V6	---~	1	
32702	LDE S EXL BA9S V6	---~	2	
32703	LDE S EXL BA9S V6	---~	3	
32705	LDE S EXL BA9S V6	---~	5	
32706	LDE S EXL BA9S V6	---~	6	
32708	LDE S EXL BA9S V6	---~	8	
32711	LDE S EXL BA9S V12	---~	1	
32712	LDE S EXL BA9S V12	---~	2	
32713	LDE S EXL BA9S V12	---~	3	
32715	LDE S EXL BA9S V12	---~	5	
32716	LDE S EXL BA9S V12	---~	6	
32718	LDE S EXL BA9S V12	---~	8	
32721	LDE S EXL BA9S V24	---~	1	
32722	LDE S EXL BA9S V24	---~	2	
32723	LDE S EXL BA9S V24	---~	3	
32725	LDE S EXL BA9S V24	---~	5	
32726	LDE S EXL BA9S V24	---~	6	
32728	LDE S EXL BA9S V24	---~	8	
32731	LDE S EXL BA9S V48	---~	1	
32732	LDE S EXL BA9S V48	---~	2	
32733	LDE S EXL BA9S V48	---~	3	
32735	LDE S EXL BA9S V48	---~	5	
32736	LDE S EXL BA9S V48	---~	6	
32738	LDE S EXL BA9S V48	---~	8	
32741	LDE S EXL BA9S V110	---~	1	
32742	LDE S EXL BA9S V110	---~	2	
32743	LDE S EXL BA9S V110	---~	3	
32745	LDE S EXL BA9S V110	---~	5	
32746	LDE S EXL BA9S V110	---~	6	
32748	LDE S EXL BA9S V110	---~	8	
32751	LDE S EXL BA9S V230/240	~	1	
32752	LDE S EXL BA9S V230/240	~	2	
32753	LDE S EXL BA9S V230/240	~	3	
32755	LDE S EXL BA9S V230/240	~	5	
32756	LDE S EXL BA9S V230/240	~	6	
32758	LDE S EXL BA9S V230/240	~	8	
32761	LDE S EXL E10 V6	---~	1	
32762	LDE S EXL E10 V6	---~	2	
32763	LDE S EXL E10 V6	---~	3	
32765	LDE S EXL E10 V6	---~	5	
32766	LDE S EXL E10 V6	---~	6	
32768	LDE S EXL E10 V6	---~	8	
32771	LDE S EXL E10 V12	---~	1	
32772	LDE S EXL E10 V12	---~	2	
32773	LDE S EXL E10 V12	---~	3	
32775	LDE S EXL E10 V12	---~	5	
32776	LDE S EXL E10 V12	---~	6	
32778	LDE S EXL E10 V12	---~	8	
32781	LDE S EXL E10 V24	---~	1	
32782	LDE S EXL E10 V24	---~	2	

32783	LDE S EXL E10 V24	---~	3	
32785	LDE S EXL E10 V24	---~	5	
32786	LDE S EXL E10 V24	---~	6	
32788	LDE S EXL E10 V24	---~	8	
32791	LDE S EXL E10 V48	---~	1	
32792	LDE S EXL E10 V48	---~	2	
32793	LDE S EXL E10 V48	---~	3	
32795	LDE S EXL E10 V48	---~	5	
32796	LDE S EXL E10 V48	---~	6	
32798	LDE S EXL E10 V48	---~	8	
32801	LDE S EXL E10 V110	---~	1	
32802	LDE S EXL E10 V110	---~	2	
32803	LDE S EXL E10 V110	---~	3	
32805	LDE S EXL E10 V110	---~	5	
32806	LDE S EXL E10 V110	---~	6	
32808	LDE S EXL E10 V110	---~	8	
32811	LDE S EXL E10 V230/240	~	1	
32812	LDE S EXL E10 V230/240	~	2	
32813	LDE S EXL E10 V230/240	~	3	
32815	LDE S EXL E10 V230/240	~	5	
32816	LDE S EXL E10 V230/240	~	6	
32818	LDE S EXL E10 V230/240	~	8	

28626	LD 015 FEXL BA9S V110	~	6	1
28628	LD 015 FEXL BA9S V110	~	8	2
28631	LD 015 FEXL BA9S V230/240	~	1	3
28632	LD 015 FEXL BA9S V230/240	~	2	4
28633	LD 015 FEXL BA9S V230/240	~	3	5
28635	LD 015 FEXL BA9S V230/240	~	5	6
28636	LD 015 FEXL BA9S V230/240	~	6	7
28638	LD 015 FEXL BA9S V230/240	~	8	8
28641	LD 015 FEXL E10 V6	---~	1	9
28642	LD 015 FEXL E10 V6	---~	2	10
28643	LD 015 FEXL E10 V6	---~	3	11
28645	LD 015 FEXL E10 V6	---~	5	12
28646	LD 015 FEXL E10 V6	---~	6	13
28648	LD 015 FEXL E10 V6	---~	8	14
28651	LD 015 FEXL E10 V12	---~	1	15
28652	LD 015 FEXL E10 V12	---~	2	16
28653	LD 015 FEXL E10 V12	---~	3	17
28655	LD 015 FEXL E10 V12	---~	5	18
28656	LD 015 FEXL E10 V12	---~	6	19
28658	LD 015 FEXL E10 V12	---~	8	20
28661	LD 015 FEXL E10 V24	---~	1	21
28662	LD 015 FEXL E10 V24	---~	2	22
28663	LD 015 FEXL E10 V24	---~	3	23
28665	LD 015 FEXL E10 V24	---~	5	24
28666	LD 015 FEXL E10 V24	---~	6	25
28668	LD 015 FEXL E10 V24	---~	8	26
28671	LD 015 FEXL E10 V48	---~	1	27
28672	LD 015 FEXL E10 V48	---~	2	28
28673	LD 015 FEXL E10 V48	---~	3	29
28675	LD 015 FEXL E10 V48	---~	5	30
28676	LD 015 FEXL E10 V48	---~	6	31
28678	LD 015 FEXL E10 V48	---~	8	32
28511	LD 015 FEXL E10 V110	~	1	33
28512	LD 015 FEXL E10 V110	~	2	34
28513	LD 015 FEXL E10 V110	~	3	35
28515	LD 015 FEXL E10 V110	~	5	36
28516	LD 015 FEXL E10 V110	~	6	37
28518	LD 015 FEXL E10 V110	~	8	38
28521	LD 015 FEXL E10 V230/240	~	1	39
28522	LD 015 FEXL E10 V230/240	~	2	40
28523	LD 015 FEXL E10 V230/240	~	3	41
28525	LD 015 FEXL E10 V230/240	~	5	42
28526	LD 015 FEXL E10 V230/240	~	6	43
28528	LD 015 FEXL E10 V230/240	~	8	44



Codice Code Kode Código	Zoccolo Socket Culot Sokkel Záclapa	Confezione 10 pz. 10 pc. box Boîte de 10 pièces 10 stückiger Schachtel Caja de 10 unidades
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28581	LD 015 FEXL BA9S V6	---~	1	
28582	LD 015 FEXL BA9S V6	---~	2	
28583	LD 015 FEXL BA9S V6	---~	3	
28585	LD 015 FEXL BA9S V6	---~	5	
28586	LD 015 FEXL BA9S V6	---~	6	
28588	LD 015 FEXL BA9S V6	---~	8	
28591	LD 015 FEXL BA9S V12	---~	1	
28592	LD 015 FEXL BA9S V12	---~	2	
28593	LD 015 FEXL BA9S V12	---~	3	
28595	LD 015 FEXL BA9S V12	---~	5	
28596	LD 015 FEXL BA9S V12	---~	6	
28598	LD 015 FEXL BA9S V12	---~	8	
28601	LD 015 FEXL BA9S V24	---~	1	
28602	LD 015 FEXL BA9S V24	---~	2	
28603	LD 015 FEXL BA9S V24	---~	3	
28605	LD 015 FEXL BA9S V24	---~	5	
28606	LD 015 FEXL BA9S V24	---~	6	
28608	LD 015 FEXL BA9S V24	---~	8	
28611	LD 015 FEXL BA9S V48	---~	1	
28612	LD 015 FEXL BA9S V48	---~	2	
28613	LD 015 FEXL BA9S V48	---~	3	
28615	LD 015 FEXL BA9S V48	---~	5	
28616	LD 015 FEXL BA9S V48	---~	6	
28618	LD 015 FEXL BA9S V48	---~	8	
28621	LD 015 FEXL BA9S V110	~	1	
28622	LD 015 FEXL BA9S V110	~	2	
28623	LD 015 FEXL BA9S V110	~	3	
28625	LD 015 FEXL BA9S V110	~	5	

37561	LD 024 FEXL BA9S V12	---~	1	60
37673	LD 024 F BA9S V12	---~	3	61
37675	LD 024 F BA9S V12	---~	5	62
37566	LD 024 F BA9S V12	---~	6	63
37678	LD 024 FEXL BA9S V12	---~	8	64
37571	LD 024 FEXL BA9S V24	---~	1	65

LD 024 F
LD

Codice Code Kode Código	Zoccolo Socket Culot Sokkel Záclapa
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1	37573	LD 024 F	BA9S	V24	---~	3
2	37575	LD 024 F	BA9S	V24	---~	5
3	37576	LD 024 F	BA9S	V24	---~	6
4	37578	LD 024 FEXL	BA9S	V24	---~	8
5	37581	LD 024 FEXL	BA9S	V48	---~	1
6	37583	LD 024 F	BA9S	V48	---~	3
7	37585	LD 024 F	BA9S	V48	---~	5
8	37586	LD 024 F	BA9S	V48	---~	6
9	37588	LD 024 FEXL	BA9S	V48	---~	8
10	37591	LD 024 FEXL	BA9S	V110	~	1
11	37593	LD 024 F	BA9S	V110	~	3
12	37595	LD 024 F	BA9S	V110	~	5
13	37596	LD 024 F	BA9S	V110	~	6
14	37598	LD 024 FEXL	BA9S	V110	~	8
15	37601	LD 024 FEXL	BA9S	V230/240	~	1
16	37603	LD 024 F	BA9S	V230/240	~	3
17	37605	LD 024 F	BA9S	V230/240	~	5
18	37606	LD 024 F	BA9S	V230/240	~	6
19	37608	LD 024 FEXL	BA9S	V230/240	~	8
20	37621	LD 024 FEXL	E10	V12	---~	1
21	37623	LD 024 F	E10	V12	---~	3
22	37625	LD 024 F	E10	V12	---~	5
23	37626	LD 024 F	E10	V12	---~	6
24	37628	LD 024 FEXL	E10	V12	---~	8
25	37631	LD 024 FEXL	E10	V24	---~	1
26	37633	LD 024 F	E10	V24	---~	3
27	37635	LD 024 F	E10	V24	---~	5
28	37636	LD 024 F	E10	V24	---~	6
29	37638	LD 024 FEXL	E10	V24	---~	8
30	37641	LD 024 FEXL	E10	V48	---~	1
31	37643	LD 024 F	E10	V48	---~	3
32	37645	LD 024 F	E10	V48	---~	5
33	37646	LD 024 F	E10	V48	---~	6
34	37648	LD 024 FEXL	E10	V48	---~	8
35	37651	LD 024 FEXL	E10	V110	~	1
36	37653	LD 024 F	E10	V110	~	3
37	37655	LD 024 F	E10	V110	~	5
38	37656	LD 024 F	E10	V110	~	6
39	37658	LD 024 FEXL	E10	V110	~	8
40	37661	LD 024 FEXL	E10	V230/240	~	1
41	37663	LD 024 F	E10	V230/240	~	3
42	37665	LD 024 F	E10	V230/240	~	5
43	37666	LD 024 F	E10	V230/240	~	6
44	37668	LD 024 FEXL	E10	V230/240	~	8
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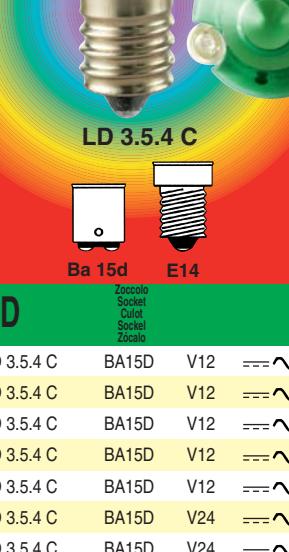
Codice	Code	Kode	Código	Zoccolo	Socket	Culot	Sokkel	Zoccolo
37441	LD 034 FEXL	BA9S	V12	---~	1	1	1	1
37443	LD 034 F	BA9S	V12	---~	3	3	3	3
37445	LD 034 F	BA9S	V12	---~	5	5	5	5
37446	LD 034 F	BA9S	V12	---~	6	6	6	6
37448	LD 034 FEXL	BA9S	V12	---~	8	8	8	8
37451	LD 034 FEXL	BA9S	V24	---~	1	1	1	1
37453	LD 034 F	BA9S	V24	---~	3	3	3	3
37455	LD 034 F	BA9S	V24	---~	5	5	5	5
37456	LD 034 F	BA9S	V24	---~	6	6	6	6
37458	LD 034 FEXL	BA9S	V24	---~	8	8	8	8
37461	LD 034 FEXL	BA9S	V48	---~	1	1	1	1
37463	LD 034 F	BA9S	V48	---~	3	3	3	3
37465	LD 034 F	BA9S	V48	---~	5	5	5	5
37466	LD 034 F	BA9S	V48	---~	6	6	6	6
37468	LD 034 FEXL	BA9S	V48	---~	8	8	8	8
37471	LD 034 FEXL	BA9S	V110	~	1	1	1	1
37473	LD 034 F	BA9S	V110	~	3	3	3	3
37475	LD 034 F	BA9S	V110	~	5	5	5	5
37476	LD 034 F	BA9S	V110	~	6	6	6	6
37478	LD 034 FEXL	BA9S	V110	~	8	8	8	8
37481	LD 034 FEXL	BA9S	V230/240	~	1	1	1	1
37483	LD 034 F	BA9S	V230/240	~	3	3	3	3
37485	LD 034 F	BA9S	V230/240	~	5	5	5	5
37486	LD 034 F	BA9S	V230/240	~	6	6	6	6
37488	LD 034 FEXL	BA9S	V230/240	~	8	8	8	8
37501	LD 034 FEXL	E10	V12	---~	1	1	1	1
37503	LD 034 F	E10	V12	---~	3	3	3	3
37505	LD 034 F	E10	V12	---~	5	5	5	5
37506	LD 034 F	E10	V12	---~	6	6	6	6
37508	LD 034 FEXL	E10	V12	---~	8	8	8	8
37511	LD 034 FEXL	E10	V24	---~	1	1	1	1
37513	LD 034 F	E10	V24	---~	3	3	3	3
37515	LD 034 F	E10	V24	---~	5	5	5	5
37516	LD 034 F	E10	V24	---~	6	6	6	6
37518	LD 034 FEXL	E10	V24	---~	8	8	8	8
37521	LD 034 FEXL	E10	V48	---~	1	1	1	1
37523	LD 034 F	E10	V48	---~	3	3	3	3
37525	LD 034 F	E10	V48	---~	5	5	5	5
37526	LD 034 F	E10	V48	---~	6	6	6	6
37528	LD 034 FEXL	E10	V48	---~	8	8	8	8
37531	LD 034 FEXL	E10	V110	~	1	1	1	1
37533	LD 034 F	E10	V110	~	3	3	3	3
37535	LD 034 F	E10	V110	~	5	5	5	5
37536	LD 034 F	E10	V110	~	6	6	6	6
37538	LD 034 FEXL	E10	V110	~	8	8	8	8
37541	LD 034 FEXL	E10	V230/240	~	1	1	1	1
37543	LD 034 F	E10	V230/240	~	3	3	3	3
37545	LD 034 F	E10	V230/240	~	5	5	5	5
37546	LD 034 F	E10	V230/240	~	6	6	6	6
37548	LD 034 FEXL	E10	V230/240	~	8	8	8	8

Codice	Code	Kode	Código	Zoccolo	Socket	Culot	Sokkel	Zoccolo
29461	LD 044 FEXL	BA9S	V12	---~	1	1	1	1
29463	LD 044 F	BA9S	V12	---~	3	3	3	3
29465	LD 044 F	BA9S	V12	---~	5	5	5	5
29466	LD 044 F	BA9S	V12	---~	6	6	6	6
29468	LD 044 FEXL	BA9S	V12	---~	8	8	8	8
29471	LD 044 FEXL	BA9S	V24	---~	1	1	1	1
29473	LD 044 F	BA9S	V24	---~	3	3	3	3
29475	LD 044 F	BA9S	V24	---~	5	5	5	5
29476	LD 044 F	BA9S	V24	---~	6	6	6	6
29478	LD 044 FEXL	BA9S	V24	---~	8	8	8	8
29481	LD 044 FEXL	BA9S	V48	---~	1	1	1	1
29483	LD 044 F	BA9S	V48	---~	3	3	3	3
29485	LD 044 F	BA9S	V48	---~	5	5	5	5
29486	LD 044 F	BA9S	V48	---~	6	6	6	6
29488	LD 044 FEXL	BA9S	V48	---~	8	8	8	8
29491	LD 044 FEXL	E10	V12	---~	1	1	1	1
29493	LD 044 F	E10	V12	---~	3	3	3	3
29495	LD 044 F	E10	V12	---~	5	5	5	5
29496	LD 044 F	E10	V12	---~	6	6	6	6
29498	LD 044 FEXL	E10	V12	---~	8	8	8	8
294911	LD 044 FEXL	E10	V24	---~	1	1	1	1
294913	LD 044 F	E10	V24	---~	3	3	3	3
294915	LD 044 F	E10	V24	---~	5	5	5	5
294916	LD 044 F	E10	V24	---~	6	6	6	6
294918	LD 044 FEXL	E10	V24	---~	8	8	8	8
294921	LD 044 FEXL	E10	V48	---~	1	1	1	1
294923	LD 044 F	E10	V48	---~	3	3	3	3
294925	LD 044 F	E10	V48	---~	5	5	5	5
294926	LD 044 F	E10	V48	---~	6	6	6	6
294928	LD 044 FEXL	E10	V48	---~	8	8	8	8
294931	LD 044 FEXL	E10	V110	~	1	1	1	1
294933	LD 044 F	E10	V110	~	3	3	3	3
294935	LD 044 F	E10	V110	~	5	5	5	5
294936	LD 044 F	E10	V110	~	6	6	6	6
294938	LD 044 FEXL	E10	V110	~	8	8	8	8
294941	LD 044 FEXL	E10	V230/240	~	1	1	1	1
294943	LD 044 F	E10	V230/240	~	3	3	3	3
294945	LD 044 F	E10	V230/240	~	5	5	5	5
294946	LD 044 F	E10	V230/240	~	6	6	6	6
294948	LD 044 FEXL	E10	V230/240	~	8	8	8	8

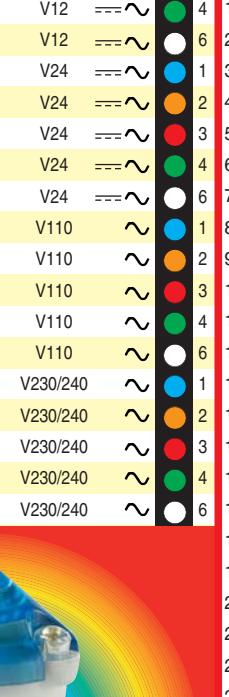


34861	LD 063 FEXL	E14	V24	---~	1
34862	LD 063 F	E14	V24	---~	2
34863	LD 063 F	E14	V24	---~	3
34865	LD 063 F	E14	V24	---~	5
34866	LD 063 F	E14	V24	---~	6
34868	LD 063 FEXL	E14	V24	---~	8
34871	LD 063 FEXL	E14	V48	---~	1
34872	LD 063 F	E14	V48	---~	2
34873	LD 063 F	E14	V48	---~	3
34875	LD 063 F	E14	V48	---~	5
34876	LD 063 F	E14	V48	---~	6
34878	LD 063 FEXL	E14	V48	---~	8
34881	LD 063 FEXL	E14	V110	~	1
34882	LD 063 F	E14	V110	~	2
34883	LD 063 F	E14	V110	~	3
34885	LD 063 F	E14	V110	~	5
34886	LD 063 F	E14	V110	~	6
34888	LD 063 FEXL	E14	V110	~	8
34891	LD 063 FEXL	E14	V230/240	~	1
34892	LD 063 F	E14	V230/240	~	2
34893	LD 063 F	E14	V230/240	~	3
34895	LD 063 F	E14	V230/240	~	5
34896	LD 063 F	E14	V230/240	~	6
34898	LD 063 FEXL	E14	V230/240	~	8

LD 3.5.4 C



Codice	Code	Kode	Código	LD	Zoccolo	Socket	Culot	Socket	Zádačka	
40771	LD 3.5.4 C			BA15D	V12	---~				1
40772	LD 3.5.4 C			BA15D	V12	---~				2
40773	LD 3.5.4 C			BA15D	V12	---~				3
40774	LD 3.5.4 C			BA15D	V12	---~				4
40776	LD 3.5.4 C			BA15D	V12	---~				6
40781	LD 3.5.4 C			BA15D	V24	---~				1
40782	LD 3.5.4 C			BA15D	V24	---~				2
40783	LD 3.5.4 C			BA15D	V24	---~				3
40784	LD 3.5.4 C			BA15D	V24	---~				4
40786	LD 3.5.4 C			BA15D	V24	---~				6
40791	LD 3.5.4 C			BA15D	V110	~				1
40792	LD 3.5.4 C			BA15D	V110	~				2
40793	LD 3.5.4 C			BA15D	V110	~				3
40794	LD 3.5.4 C			BA15D	V110	~				4
40796	LD 3.5.4 C			BA15D	V110	~				6
40801	LD 3.5.4 C			BA15D	V230/240	~				1
40802	LD 3.5.4 C			BA15D	V230/240	~				2
40803	LD 3.5.4 C			BA15D	V230/240	~				3
40804	LD 3.5.4 C			BA15D	V230/240	~				4
40806	LD 3.5.4 C			BA15D	V230/240	~				6
40811	LD 3.5.4 C			E14	V12	---~				1
40812	LD 3.5.4 C			E14	V12	---~				2
40813	LD 3.5.4 C			E14	V12	---~				3

Codice Code Kode Código	LD 3.5.4 C	E14	V12	---~		4	1
40814	LD 3.5.4 C	E14	V12	---~		6	2
40816	LD 3.5.4 C	E14	V12	---~		1	3
40821	LD 3.5.4 C	E14	V24	---~		2	4
40822	LD 3.5.4 C	E14	V24	---~		3	5
40823	LD 3.5.4 C	E14	V24	---~		4	6
40824	LD 3.5.4 C	E14	V24	---~		6	7
40826	LD 3.5.4 C	E14	V24	---~		1	8
40831	LD 3.5.4 C	E14	V110	~		2	9
40832	LD 3.5.4 C	E14	V110	~		3	10
40833	LD 3.5.4 C	E14	V110	~		4	11
40834	LD 3.5.4 C	E14	V110	~		6	12
40836	LD 3.5.4 C	E14	V110	~		1	13
40841	LD 3.5.4 C	E14	V230/240	~		2	14
40842	LD 3.5.4 C	E14	V230/240	~		3	15
40843	LD 3.5.4 C	E14	V230/240	~		4	16
40844	LD 3.5.4 C	E14	V230/240	~		6	17
40846	LD 3.5.4 C	E14	V230/240	~		1	18
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LD 4.5.4 C
 
BA 15d **E14**



LD 4.5.4 C



LD 3.5.4 C



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Code Code Kode Código	LD	Zoccolo Socket Culot Socket Zócalo					
40771	LD 3.5.4 C	BA15D	V12	---~			1
40772	LD 3.5.4 C	BA15D	V12	---~			2
40773	LD 3.5.4 C	BA15D	V12	---~			3
40774	LD 3.5.4 C	BA15D	V12	---~			4
40776	LD 3.5.4 C	BA15D	V12	---~			6
40781	LD 3.5.4 C	BA15D	V24	---~			1
40782	LD 3.5.4 C	BA15D	V24	---~			2
40783	LD 3.5.4 C	BA15D	V24	---~			3
40784	LD 3.5.4 C	BA15D	V24	---~			4
40786	LD 3.5.4 C	BA15D	V24	---~			6
40791	LD 3.5.4 C	BA15D	V110	~			1
40792	LD 3.5.4 C	BA15D	V110	~			2
40793	LD 3.5.4 C	BA15D	V110	~			3
40794	LD 3.5.4 C	BA15D	V110	~			4
40796	LD 3.5.4 C	BA15D	V110	~			6
40801	LD 3.5.4 C	BA15D	V230/240	~			1
40802	LD 3.5.4 C	BA15D	V230/240	~			2
40803	LD 3.5.4 C	BA15D	V230/240	~			3
40804	LD 3.5.4 C	BA15D	V230/240	~			4
40806	LD 3.5.4 C	BA15D	V230/240	~			6
40811	LD 3.5.4 C	E14	V12	---~			1
40812	LD 3.5.4 C	E14	V12	---~			2
40813	LD 3.5.4 C	E14	V12	---~			3

40856	LD 4.5.4 C	BA15D	V12	---~	6
40861	LD 4.5.4 C	BA15D	V24	---~	1
40862	LD 4.5.4 C	BA15D	V24	---~	2
40863	LD 4.5.4 C	BA15D	V24	---~	3
40864	LD 4.5.4 C	BA15D	V24	---~	4
40866	LD 4.5.4 C	BA15D	V24	---~	6
40871	LD 4.5.4 C	BA15D	V110	~	1
40872	LD 4.5.4 C	BA15D	V110	~	2
40873	LD 4.5.4 C	BA15D	V110	~	3
40874	LD 4.5.4 C	BA15D	V110	~	4
40876	LD 4.5.4 C	BA15D	V110	~	6
40881	LD 4.5.4 C	BA15D	V230/240	~	1
40882	LD 4.5.4 C	BA15D	V230/240	~	2
40883	LD 4.5.4 C	BA15D	V230/240	~	3
40884	LD 4.5.4 C	BA15D	V230/240	~	4
40886	LD 4.5.4 C	BA15D	V230/240	~	6
40891	LD 4.5.4 C	E14	V12	---~	1
40892	LD 4.5.4 C	E14	V12	---~	2
40893	LD 4.5.4 C	E14	V12	---~	3
40894	LD 4.5.4 C	E14	V12	---~	4
40896	LD 4.5.4 C	E14	V12	---~	6
40901	LD 4.5.4 C	E14	V24	---~	1
40902	LD 4.5.4 C	E14	V24	---~	2
40903	LD 4.5.4 C	E14	V24	---~	3
40904	LD 4.5.4 C	E14	V24	---~	4



1	40906	LD 4.5.4 C	E14	V24	---~	● 6
2	40911	LD 4.5.4 C	E14	V110	~	● 1
3	40912	LD 4.5.4 C	E14	V110	~	● 2
4	40913	LD 4.5.4 C	E14	V110	~	● 3
5	40914	LD 4.5.4 C	E14	V110	~	● 4
6	40916	LD 4.5.4 C	E14	V110	~	● 6
7	40921	LD 4.5.4 C	E14	V230/240	~	● 1
8	40922	LD 4.5.4 C	E14	V230/240	~	● 2
9	40923	LD 4.5.4 C	E14	V230/240	~	● 3
10	40924	LD 4.5.4 C	E14	V230/240	~	● 4
11	40926	LD 4.5.4 C	E14	V230/240	~	● 6

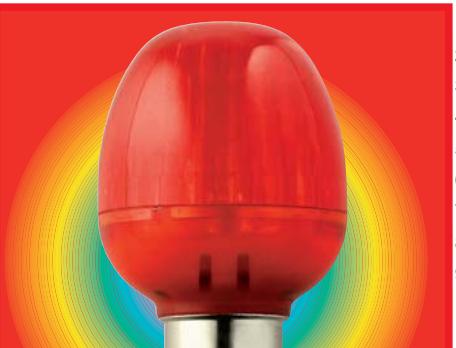


LD 3.5.4 SF



Ba 9s Ba 15d E10 E14

40992	LD 3.5.4 SF	BA15D	V110	~	● 2
40993	LD 3.5.4 SF	BA15D	V110	~	● 3
40994	LD 3.5.4 SF	BA15D	V110	~	● 4
40996	LD 3.5.4 SF	BA15D	V110	~	● 6
41011	LD 3.5.4 SF	BA15D	V230/240	~	● 1
41012	LD 3.5.4 SF	BA15D	V230/240	~	● 2
41013	LD 3.5.4 SF	BA15D	V230/240	~	● 3
41014	LD 3.5.4 SF	BA15D	V230/240	~	● 4
41016	LD 3.5.4 SF	BA15D	V230/240	~	● 6
41061	LD 3.5.4 SF	E10	V12	---~	● 1
41062	LD 3.5.4 SF	E10	V12	---~	● 2
41063	LD 3.5.4 SF	E10	V12	---~	● 3
41064	LD 3.5.4 SF	E10	V12	---~	● 4
41066	LD 3.5.4 SF	E10	V12	---~	● 6
41071	LD 3.5.4 SF	E10	V24	---~	● 1
41072	LD 3.5.4 SF	E10	V24	---~	● 2
41073	LD 3.5.4 SF	E10	V24	---~	● 3
41074	LD 3.5.4 SF	E10	V24	---~	● 4
41076	LD 3.5.4 SF	E10	V24	---~	● 6
41081	LD 3.5.4 SF	E10	V110	~	● 1
41082	LD 3.5.4 SF	E10	V110	~	● 2
41083	LD 3.5.4 SF	E10	V110	~	● 3
41084	LD 3.5.4 SF	E10	V110	~	● 4
41086	LD 3.5.4 SF	E10	V110	~	● 6
41091	LD 3.5.4 SF	E10	V230/240	~	● 1
41092	LD 3.5.4 SF	E10	V230/240	~	● 2
41093	LD 3.5.4 SF	E10	V230/240	~	● 3
41094	LD 3.5.4 SF	E10	V230/240	~	● 4
41096	LD 3.5.4 SF	E10	V230/240	~	● 6
41021	LD 3.5.4 SF	E14	V12	---~	● 1
41022	LD 3.5.4 SF	E14	V12	---~	● 2
41023	LD 3.5.4 SF	E14	V12	---~	● 3
41024	LD 3.5.4 SF	E14	V12	---~	● 4
41026	LD 3.5.4 SF	E14	V12	---~	● 6
41031	LD 3.5.4 SF	E14	V24	---~	● 1
41032	LD 3.5.4 SF	E14	V24	---~	● 2
41033	LD 3.5.4 SF	E14	V24	---~	● 3
41034	LD 3.5.4 SF	E14	V24	---~	● 4
41036	LD 3.5.4 SF	E14	V24	---~	● 6
41041	LD 3.5.4 SF	E14	V110	~	● 1
41042	LD 3.5.4 SF	E14	V110	~	● 2
41043	LD 3.5.4 SF	E14	V110	~	● 3
41044	LD 3.5.4 SF	E14	V110	~	● 4
41046	LD 3.5.4 SF	E14	V110	~	● 6
41051	LD 3.5.4 SF	E14	V230/240	~	● 1
41052	LD 3.5.4 SF	E14	V230/240	~	● 2
41053	LD 3.5.4 SF	E14	V230/240	~	● 3
41054	LD 3.5.4 SF	E14	V230/240	~	● 4
41056	LD 3.5.4 SF	E14	V230/240	~	● 6



LD 4.5.4 SF



Codice Code Kode Código	Zoccolo Socket Culot Socket Zocalo	LD	Zoccolo Socket Culot Socket Zocalo	Codice Code Kode Código
41721	LD 4.5.4 SF	BA9S	V12	---~
41722	LD 4.5.4 SF	BA9S	V12	---~
41723	LD 4.5.4 SF	BA9S	V12	---~
41724	LD 4.5.4 SF	BA9S	V12	---~
41726	LD 4.5.4 SF	BA9S	V12	---~
41731	LD 4.5.4 SF	BA9S	V24	---~
41732	LD 4.5.4 SF	BA9S	V24	---~
41733	LD 4.5.4 SF	BA9S	V24	---~
41734	LD 4.5.4 SF	BA9S	V24	---~
41736	LD 4.5.4 SF	BA9S	V24	---~
41741	LD 4.5.4 SF	BA9S	V110	~
41742	LD 4.5.4 SF	BA9S	V110	~
41743	LD 4.5.4 SF	BA9S	V110	~
41744	LD 4.5.4 SF	BA9S	V110	~
41746	LD 4.5.4 SF	BA9S	V110	~
41751	LD 4.5.4 SF	BA9S	V230/240	~
41752	LD 4.5.4 SF	BA9S	V230/240	~
41753	LD 4.5.4 SF	BA9S	V230/240	~
41754	LD 4.5.4 SF	BA9S	V230/240	~
41756	LD 4.5.4 SF	BA9S	V230/240	~
41601	LD 4.5.4 SF	BA15D	V12	---~
41602	LD 4.5.4 SF	BA15D	V12	---~
41603	LD 4.5.4 SF	BA15D	V12	---~
41604	LD 4.5.4 SF	BA15D	V12	---~
41606	LD 4.5.4 SF	BA15D	V12	---~
41611	LD 4.5.4 SF	BA15D	V24	---~
41612	LD 4.5.4 SF	BA15D	V24	---~
41613	LD 4.5.4 SF	BA15D	V24	---~
41614	LD 4.5.4 SF	BA15D	V24	---~
41616	LD 4.5.4 SF	BA15D	V24	---~
41621	LD 4.5.4 SF	BA15D	V110	~
41622	LD 4.5.4 SF	BA15D	V110	~
41623	LD 4.5.4 SF	BA15D	V110	~
41624	LD 4.5.4 SF	BA15D	V110	~
41626	LD 4.5.4 SF	BA15D	V110	~
41631	LD 4.5.4 SF	BA15D	V230/240	~
41632	LD 4.5.4 SF	BA15D	V230/240	~
41633	LD 4.5.4 SF	BA15D	V230/240	~
41634	LD 4.5.4 SF	BA15D	V230/240	~
41636	LD 4.5.4 SF	BA15D	V230/240	~
41681	LD 4.5.4 SF	E10	V12	---~
41682	LD 4.5.4 SF	E10	V12	---~



1	41683	LD 4.5.4 SF	E10	V12	---~	● 3
2	41684	LD 4.5.4 SF	E10	V12	---~	● 4
3	41686	LD 4.5.4 SF	E10	V12	---~	● 6
4	41691	LD 4.5.4 SF	E10	V24	---~	● 1
5	41692	LD 4.5.4 SF	E10	V24	---~	● 2
6	41693	LD 4.5.4 SF	E10	V24	---~	● 3
7	41694	LD 4.5.4 SF	E10	V24	---~	● 4
8	41696	LD 4.5.4 SF	E10	V24	---~	● 6
9	41701	LD 4.5.4 SF	E10	V110	~	● 1
10	41702	LD 4.5.4 SF	E10	V110	~	● 2
11	41703	LD 4.5.4 SF	E10	V110	~	● 3
12	41704	LD 4.5.4 SF	E10	V110	~	● 4
13	41706	LD 4.5.4 SF	E10	V110	~	● 6
14	41711	LD 4.5.4 SF	E10	V230/240	~	● 1
15	41712	LD 4.5.4 SF	E10	V230/240	~	● 2
16	41713	LD 4.5.4 SF	E10	V230/240	~	● 3
17	41714	LD 4.5.4 SF	E10	V230/240	~	● 4
18	41716	LD 4.5.4 SF	E10	V230/240	~	● 6
19	41641	LD 4.5.4 SF	E14	V12	---~	● 1
20	41642	LD 4.5.4 SF	E14	V12	---~	● 2
21	41643	LD 4.5.4 SF	E14	V12	---~	● 3
22	41644	LD 4.5.4 SF	E14	V12	---~	● 4
23	41646	LD 4.5.4 SF	E14	V12	---~	● 6
24	41651	LD 4.5.4 SF	E14	V24	---~	● 1
25	41652	LD 4.5.4 SF	E14	V24	---~	● 2
26	41653	LD 4.5.4 SF	E14	V24	---~	● 3
27	41654	LD 4.5.4 SF	E14	V24	---~	● 4
28	41656	LD 4.5.4 SF	E14	V24	---~	● 6
29	41661	LD 4.5.4 SF	E14	V110	~	● 1
30	41662	LD 4.5.4 SF	E14	V110	~	● 2
31	41663	LD 4.5.4 SF	E14	V110	~	● 3
32	41664	LD 4.5.4 SF	E14	V110	~	● 4
33	41666	LD 4.5.4 SF	E14	V110	~	● 6
34	41671	LD 4.5.4 SF	E14	V230/240	~	● 1
35	41672	LD 4.5.4 SF	E14	V230/240	~	● 2
36	41673	LD 4.5.4 SF	E14	V230/240	~	● 3
37	41674	LD 4.5.4 SF	E14	V230/240	~	● 4
38	41676	LD 4.5.4 SF	E14	V230/240	~	● 6

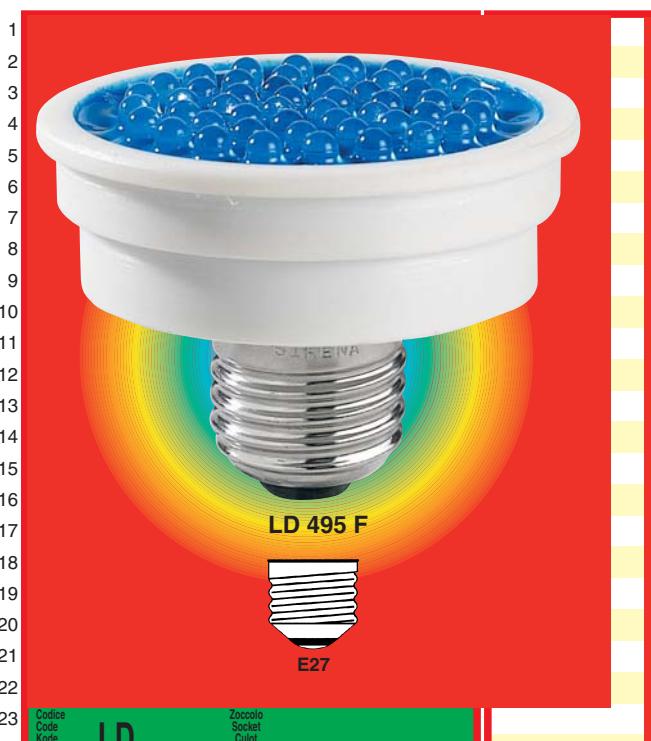
39	37281	LD 143 FEXL	BA15D	V48	---~	● 1
40	37282	LD 143 F	BA15D	V48	---~	● 2
41	37283	LD 143 F	BA15D	V48	---~	● 3
42	37285	LD 143 F	BA15D	V48	---~	● 5
43	37286	LD 143 F	BA15D	V48	---~	● 6
44	37288	LD 143 FEXL	BA15D	V48	---~	● 8
45	37291	LD 143 FEXL	BA15D	V110	~	● 1
46	37292	LD 143 F	BA15D	V110	~	● 2
47	37293	LD 143 F	BA15D	V110	~	● 3
48	37295	LD 143 F	BA15D	V110	~	● 5
49	37296	LD 143 F	BA15D	V110	~	● 6
50	37298	LD 143 FEXL	BA15D	V110	~	● 8
51	37301	LD 143 FEXL	BA15D	V230/240	~	● 1
52	37302	LD 143 F	BA15D	V230/240	~	● 2
53	37303	LD 143 F	BA15D	V230/240	~	● 3
54	37305	LD 143 F	BA15D	V230/240	~	● 5
55	37306	LD 143 F	BA15D	V230/240	~	● 6
56	37308	LD 143 FEXL	BA15D	V230/240	~	● 8
57	29901	LD 143 FEXL	E10	V12	---~	● 1
58	29902	LD 143 F	E10	V12	---~	● 2
59	29903	LD 143 F	E10	V12	---~	● 3
60	29905	LD 143 F	E10	V12	---~	● 5
61	29906	LD 143 F	E10	V12	---~	● 6
62	29908	LD 143 FEXL	E10	V12	---~	● 8
63	29911	LD 143 FEXL	E10	V24	---~	● 1
64	29912	LD 143 F	E10	V24	---~	● 2
65	29913	LD 143 F	E10	V24	---~	● 3
66	29915	LD 143 F	E10	V24	---~	● 5
67	29916	LD 143 F	E10	V24	---~	● 6
68	29918	LD 143 FEXL	E10	V24	---~	● 8
69	29921	LD 143 FEXL	E10	V48	---~	● 1
70	29922	LD 143 F	E10	V48	---~	● 2
71	29923	LD 143 F	E10	V48	---~	● 3
72	29925	LD 143 F	E10	V48	---~	● 5
73	29926	LD 143 F	E10	V48	---~	● 6
74	29928	LD 143 FEXL	E10	V48	---~	● 8
75	29931	LD 143 FEXL	E10	V110	~	● 1
76	29932	LD 143 F	E10	V110	~	● 2
77	29933	LD 143 F	E10	V110	~	● 3
78	29935	LD 143 F	E10	V110	~	● 5
79	29936	LD 143 F	E10	V110	~	● 6
80	29938	LD 143 FEXL	E10	V110	~	● 8
81	29941	LD 143 FEXL	E10	V230/240	~	● 1
82	29942	LD 143 F	E10	V230/240	~	● 2
83	29943	LD 143 F	E10	V230/240	~	● 3
84	29945	LD 143 F	E10	V230/240	~	● 5
85	29946	LD 143 F	E10	V230/240	~	● 6
86	29948	LD 143 FEXL	E10	V230/240	~	● 8

1	37261	LD 143 FEXL	BA15D	V12	---~	● 1
2	37262	LD 143 F	BA15D	V12	---~	● 2
3	37263	LD 143 F	BA15D	V12	---~	● 3
4	37265	LD 143 F	BA15D	V12	---~	● 5
5	37266	LD 143 F	BA15D	V12	---~	● 6
6	37268	LD 143 FEXL	BA15D	V12	---~	● 8
7	37271	LD 143 FEXL	BA15D	V24	---~	● 1
8	37272	LD 143 F	BA15D	V24	---~	● 2
9	37273	LD 143 F	BA15D	V24	---~	● 3
10	37275	LD 143 F	BA15D	V24	---~	● 5
11	37276	LD 143 F	BA15D	V24	---~	● 6
12	37278	LD 143 FEXL	BA15D	V24	---~	● 8
13	29341	LD 145 FEXL	BA15S	V12	---~	● 1
14	29342	LD 145 FEXL	BA15S	V12	---~	● 2
15	29343	LD 145 FEXL	BA15S	V12	---~	● 3
16	29344	LD 145 FEXL	BA15S	V12	---~	● 5
17	29345	LD 145 FEXL	BA15S	V12	---~	● 6
18	29346	LD 145 FEXL	BA15S	V12	---~	● 8
19	29348	LD 145 FEXL	BA15S	V12	---~	● 1
20	29351	LD 145 FEXL	BA15S	V24	---~	● 2
21	29352	LD 145 FEXL	BA15S	V24	---~	● 3
22	29353	LD 145 FEXL	BA15S	V24	---~	● 5
23	29355	LD 145 FEXL	BA15S	V24	---~	● 6
24	29356	LD 145 FEXL	BA15S	V230/240	~	● 1
25	29358	LD 145 FEXL	BA15S	V230/240	~	● 2
26	29361	LD 145 FEXL	BA15S	V48	---~	● 3
27	29362	LD 145 FEXL	BA15S	V48	---~	● 5
28	29363	LD 145 FEXL	BA15S	V48	---~	● 6
29	29365	LD 145 FEXL	BA15S	V48	---~	● 8
30	29366	LD 145 FEXL	BA15S	V48	---~	● 1



1	29368	LD 145 FEXL	BA15S	V48	---~	8
2	29371	LD 145 FEXL	BA15S	V110	~	1
3	29372	LD 145 FEXL	BA15S	V110	~	2
4	29373	LD 145 FEXL	BA15S	V110	~	3
5	29375	LD 145 FEXL	BA15S	V110	~	5
6	29376	LD 145 FEXL	BA15S	V110	~	6
7	29378	LD 145 FEXL	BA15S	V110	~	8
8	29381	LD 145 FEXL	BA15S	V230/240	~	1
9	29382	LD 145 FEXL	BA15S	V230/240	~	2
10	29383	LD 145 FEXL	BA15S	V230/240	~	3
11	29385	LD 145 FEXL	BA15S	V230/240	~	5
12	29386	LD 145 FEXL	BA15S	V230/240	~	6
13	29388	LD 145 FEXL	BA15S	V230/240	~	8
14	29781	LD 145 FEXL	BA15D	V12	---~	1
15	29782	LD 145 FEXL	BA15D	V12	---~	2
16	29783	LD 145 FEXL	BA15D	V12	---~	3
17	29785	LD 145 FEXL	BA15D	V12	---~	5
18	29786	LD 145 FEXL	BA15D	V12	---~	6
19	29788	LD 145 FEXL	BA15D	V12	---~	8
20	29791	LD 145 FEXL	BA15D	V24	---~	1
21	29792	LD 145 FEXL	BA15D	V24	---~	2
22	29793	LD 145 FEXL	BA15D	V24	---~	3
23	29795	LD 145 FEXL	BA15D	V24	---~	5
24	29796	LD 145 FEXL	BA15D	V24	---~	6
25	29798	LD 145 FEXL	BA15D	V24	---~	8
26	29801	LD 145 FEXL	BA15D	V48	---~	1
27	29802	LD 145 FEXL	BA15D	V48	---~	2
28	29803	LD 145 FEXL	BA15D	V48	---~	3
29	29805	LD 145 FEXL	BA15D	V48	---~	5
30	29806	LD 145 FEXL	BA15D	V48	---~	6
31	29808	LD 145 FEXL	BA15D	V48	---~	8
32	29811	LD 145 FEXL	BA15D	V110	~	1
33	29812	LD 145 FEXL	BA15D	V110	~	2
34	29813	LD 145 FEXL	BA15D	V110	~	3
35	29815	LD 145 FEXL	BA15D	V110	~	5
36	29816	LD 145 FEXL	BA15D	V110	~	6
37	29818	LD 145 FEXL	BA15D	V110	~	8
38	29821	LD 145 FEXL	BA15D	V230/240	~	1
39	29822	LD 145 FEXL	BA15D	V230/240	~	2
40	29823	LD 145 FEXL	BA15D	V230/240	~	3
41	29825	LD 145 FEXL	BA15D	V230/240	~	5
42	29826	LD 145 FEXL	BA15D	V230/240	~	6
43	29828	LD 145 FEXL	BA15D	V230/240	~	8
44	28191	LD 145 FEXL	E10	V12	---~	1
45	28192	LD 145 FEXL	E10	V12	---~	2
46	28193	LD 145 FEXL	E10	V12	---~	3
47	28195	LD 145 FEXL	E10	V12	---~	5
48	28196	LD 145 FEXL	E10	V12	---~	6
49	28198	LD 145 FEXL	E10	V12	---~	8
50	27981	LD 145 FEXL	E10	V24	---~	1
51	27982	LD 145 FEXL	E10	V24	---~	2
52	27983	LD 145 FEXL	E10	V24	---~	3
53	27985	LD 145 FEXL	E10	V24	---~	5
54	27986	LD 145 FEXL	E10	V24	---~	6
55	27988	LD 145 FEXL	E10	V24	---~	8
56	28201	LD 145 FEXL	E10	V48	---~	1
57	28202	LD 145 FEXL	E10	V48	---~	2
58	28203	LD 145 FEXL	E10	V48	---~	3
59	28205	LD 145 FEXL	E10	V48	---~	5
60	28206	LD 145 FEXL	E10	V48	---~	6
61	28208	LD 145 FEXL	E10	V48	---~	8
62	28211	LD 145 FEXL	E10	V110	~	1
63	28212	LD 145 FEXL	E10	V110	~	2
64	28213	LD 145 FEXL	E10	V110	~	3
65	28215	LD 145 FEXL	E10	V110	~	5

28216	LD 145 FEXL	E10	V110	~	6
28218	LD 145 FEXL	E10	V110	~	8
28221	LD 145 FEXL	E10	V230/240	~	1
28222	LD 145 FEXL	E10	V230/240	~	2
28223	LD 145 FEXL	E10	V230/240	~	3
28225	LD 145 FEXL	E10	V230/240	~	5
28226	LD 145 FEXL	E10	V230/240	~	6
28228	LD 145 FEXL	E10	V230/240	~	8
28531	LD 145 FEXL	E14	V12	---~	1
28532	LD 145 FEXL	E14	V12	---~	2
28533	LD 145 FEXL	E14	V12	---~	3
28535	LD 145 FEXL	E14	V12	---~	5
28536	LD 145 FEXL	E14	V12	---~	6
28538	LD 145 FEXL	E14	V12	---~	8
28541	LD 145 FEXL	E14	V24	---~	1
28542	LD 145 FEXL	E14	V24	---~	2
28543	LD 145 FEXL	E14	V24	---~	3
28545	LD 145 FEXL	E14	V24	---~	5
28546	LD 145 FEXL	E14	V24	---~	6
28548	LD 145 FEXL	E14	V24	---~	8
28551	LD 145 FEXL	E14	V48	---~	1
28552	LD 145 FEXL	E14	V48	---~	2
28553	LD 145 FEXL	E14	V48	---~	3
28555	LD 145 FEXL	E14	V48	---~	5
28556	LD 145 FEXL	E14	V48	---~	6
28558	LD 145 FEXL	E14	V48	---~	8
28561	LD 145 FEXL	E14	V110	~	1
28562	LD 145 FEXL	E14	V110	~	2
28563	LD 145 FEXL	E14	V110	~	3
28565	LD 145 FEXL	E14	V110	~	5
28566	LD 145 FEXL	E14	V110	~	6
28568	LD 145 FEXL	E14	V110	~	8
28571	LD 145 FEXL	E14	V230/240	~	1
28572	LD 145 FEXL	E14	V230/240	~	2
28573	LD 145 FEXL	E14	V230/240	~	3
28575	LD 145 FEXL	E14	V230/240	~	5
28576	LD 145 FEXL	E14	V230/240	~	6
28578	LD 145 FEXL	E14	V230/240	~	8
27941	LD 145 FEXL	E27	V12	---~	1
27942	LD 145 FEXL	E27	V12	---~	2
27943	LD 145 FEXL	E27	V12	---~	3
27945	LD 145 FEXL	E27	V12	---~	5
27946	LD 145 FEXL	E27	V12	---~	6
27948	LD 145 FEXL	E27	V12	---~	8
27949	LD 145 FEXL	E27	V24	---~	1
27950	LD 145 FEXL	E27	V24	---~	2
27951	LD 145 FEXL	E27	V24	---~	3
27952	LD 145 FEXL	E27	V24	---~	5
27953	LD 145 FEXL	E27	V24	---~	6
27955	LD 145 FEXL	E27	V24	---~	8
27956	LD 145 FEXL	E27	V24	---~	1
27958	LD 145 FEXL	E27	V24	---~	2
27959	LD 145 FEXL	E27	V24	---~	3
27960	LD 145 FEXL	E27	V24	---~	5
27961	LD 145 FEXL	E27	V24	---~	6
27962	LD 145 FEXL	E27	V24	---~	8
27964	LD 145 FEXL	E27	V24	---~	1
27965	LD 145 FEXL	E27	V24	---~	2
27966	LD 145 FEXL	E27	V24	---~	3
27967	LD 145 FEXL	E27	V24	---~	5
27968	LD 145 FEXL	E27	V24	---~	6
27969	LD 145 FEXL	E27	V24	---~	8
27970	LD 145 FEXL	E27	V48	---~	1
27971	LD 145 FEXL	E27	V48	---~	2
27972	LD 145 FEXL	E27	V48	---~	3
27973	LD 145 FEXL	E27	V48	---~	5
27974	LD 145 FEXL	E27	V48	---~	6
27975	LD 145 FEXL	E27	V48	---~	8
27976	LD 145 FEXL	E27	V48	---~	1
27977	LD 145 FEXL	E27	V48	---~	2
27978	LD 145 FEXL	E27	V48	---~	3
27979	LD 145 FEXL	E27	V48	---~	5
27980	LD 145 FEXL	E27	V48	---~	6
27981	LD 145 FEXL	E27	V48	---~	8
27982	LD 145 FEXL	E27	V110	~	1
27983	LD 145 FEXL	E27	V110	~	2
27984	LD 145 FEXL	E27	V110	~	3
27985	LD 145 FEXL	E27	V110	~	5
27986	LD 145 FEXL	E27	V110	~	6
27987	LD 145 FEXL	E27	V110	~	8
27988	LD 145 FEXL	E27	V110	~	1
27989	LD 145 FEXL	E27	V110	~	2
27990	LD 145 FEXL	E27	V110	~	3
27991	LD 145 FEXL	E27	V110	~	5
27992	LD 145 FEXL	E27	V110	~	6
27993	LD 145 FEXL	E27	V110	~	8
27994	LD 145 FEXL	E27	V110	~	1
27995	LD 145 FEXL	E27	V110	~	2
27996	LD 145 FEXL	E27	V110	~	3
27997	LD 145 FEXL	E27	V110	~	5
27998	LD 145 FEXL	E27	V110	~	6
27999	LD 145 FEXL	E27	V110	~	8
28000	LD 145 FEXL	E27	V110	~	1
28001	LD 145 FEXL	E27	V110	~	2
28002	LD 145 FEXL	E27	V110	~	3
28003	LD 145 FEXL	E27	V110	~	5
28004	LD 145 FEXL	E27	V110	~	6
28005	LD 145 FEXL	E27	V110	~	8
28006	LD 145 FEXL	E27	V110	~	1
28007	LD 145 FEXL	E27	V110	~	2
28008	LD 145 FEXL	E27	V110	~	3
28009	LD 145 FEXL	E27	V110	~	5
28010	LD 145 FEXL	E27	V110	~	6
28011	LD 145 FEXL	E27	V110	~	8
28012	LD 145 FEXL	E27	V110	~	1
28013	LD 145 FEXL	E27	V110	~	2
28014	LD 145 FEXL	E27	V110	~	3
28015	LD 145 FEXL	E27	V110	~	5
28016	LD 145 FEXL	E27	V110	~	6
28017	LD 145 FEXL	E27	V110	~	8
28018	LD 145 FEXL	E27	V110	~	1
28019	LD 145 FEXL	E27	V110	~	2
28020	LD 145 FEXL	E27	V110	~	3
28021	LD 145 FEXL	E27	V110	~	5
28022	LD 145 FEXL	E27	V110	~	6
28023	LD 145 FEXL	E27	V110	~	8
28024	LD 145 FEXL	E27	V110	~	1
28025	LD 145 FEXL	E27	V110	~	2
28026	LD 145 FEXL	E27	V110	~	3
28027	LD 145 FEX				



Codice	Code	Kode	Código	Zoccolo	Socket	Culot	Zócalo	
35601	LD 495 FEXL	E27	V12	---	~			● 1
35602	LD 495 FEXL	E27	V12	---	~			○ 2
35603	LD 495 FEXL	E27	V12	---	~			● 3
35605	LD 495 FEXL	E27	V12	---	~			● 5
35606	LD 495 FEXL	E27	V12	---	~			● 6
35608	LD 495 FEXL	E27	V12	---	~			● 8
35611	LD 495 FEXL	E27	V24	---	~			● 1
35612	LD 495 FEXL	E27	V24	---	~			○ 2
35613	LD 495 FEXL	E27	V24	---	~			● 3
35615	LD 495 FEXL	E27	V24	---	~			● 5
35616	LD 495 FEXL	E27	V24	---	~			● 6
35618	LD 495 FEXL	E27	V24	---	~			● 8
35641	LD 495 FEXL	E27	V230/240	~				● 1
35642	LD 495 FEXL	E27	V230/240	~				○ 2
35643	LD 495 FEXL	E27	V230/240	~				● 3
35645	LD 495 FEXL	E27	V230/240	~				● 5
35646	LD 495 FEXL	E27	V230/240	~				● 6
35648	LD 495 FEXL	E27	V230/240	~				● 8

Codice	Code	Kode	Código	Zoccolo	Socket	Culot	Zócalo	
35032	LD 37Q F	E27	V230	~				○ 2
35033	LD 37Q F	E27	V230	~				● 3
35035	LD 37Q F	E27	V230	~				● 5
35036	LD 37Q F	E27	V230	~				● 6
35038	LD 37Q F	E27	V230	~				● 8



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1	LD	Zoccolo Socket Culot Sockel Zócalo
2	35042	LD 51Q F E27 V230 ~
3	35043	LD 51Q F E27 V230 ~
4	35048	LD 51Q F E27 V230 ~
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Per SEMAFORI Ø 200 mm
 For TRAFFIC LIGHTS Ø 200 mm
 Pour FEUX DE SIGNALISATION Ø 200 mm
 Für SIGNALAMPFELN Ø 200 mm
 Para SEMÁFOROS Ø 200 mm

LD 51Q F



E27



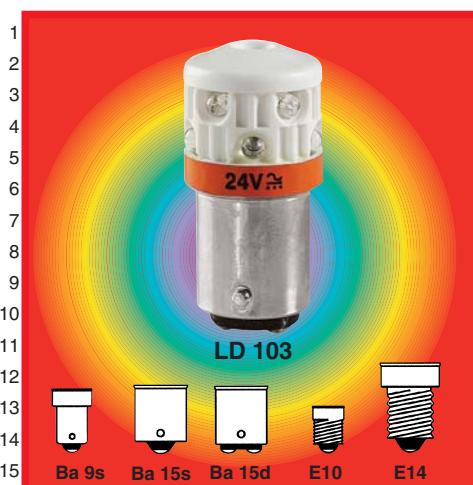
Per SEMAFORI Ø 300 mm
 For TRAFFIC LIGHTS Ø 300 mm
 Pour FEUX DE SIGNALISATION Ø 300 mm
 Für SIGNALAMPFELN Ø 300 mm
 Para SEMÁFOROS Ø 300 mm

LD 100Q F



E27

1	LD	Zoccolo Socket Culot Sockel Zócalo
2	35052	LD 100Q F E27 V230 ~
3	35053	LD 100Q F E27 V230 ~
4	35058	LD 100Q F E27 V230 ~
5		2 3 8
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1	28711	LD 103	EXL	BA15S	V110	~	1	28138
2	28712	LD 103		BA15S	V110	~	2	28141
3	28713	LD 103		BA15S	V110	~	3	28142
4	28715	LD 103		BA15S	V110	~	5	28143
5	28716	LD 103		BA15S	V110	~	6	28145
6	28718	LD 103	EXL	BA15S	V110	~	8	28146
7	28721	LD 103	EXL	BA15S	V230/240	~	1	28148
8	28722	LD 103		BA15S	V230/240	~	2	28781
9	28723	LD 103		BA15S	V230/240	~	3	28782
10	28725	LD 103		BA15S	V230/240	~	5	28783
11	28726	LD 103		BA15S	V230/240	~	6	28785
12	28728	LD 103	EXL	BA15S	V230/240	~	8	28786
13	29491	LD 103	EXL	BA15D	V12	==~	1	28788
14	29492	LD 103		BA15D	V12	==~	2	28791
15	29493	LD 103		BA15D	V12	==~	3	28792
16	29495	LD 103		BA15D	V12	==~	5	28793
17	29496	LD 103		BA15D	V12	==~	6	28795
18	28931	LD 103	EXL	BA9S	V12	==~	8	28796
19	28932	LD 103		BA9S	V12	==~	1	28798
20	28933	LD 103		BA9S	V12	==~	2	28801
21	28935	LD 103		BA9S	V12	==~	3	28802
22	28936	LD 103		BA9S	V12	==~	5	28803
23	28938	LD 103	EXL	BA9S	V12	==~	6	28805
24	27851	LD 103	EXL	BA9S	V24	==~	8	28806
25	27852	LD 103		BA9S	V24	==~	1	28808
26	27853	LD 103		BA9S	V24	==~	2	28811
27	27855	LD 103		BA9S	V24	==~	3	28812
28	27856	LD 103		BA9S	V24	==~	5	28813
29	27858	LD 103	EXL	BA9S	V24	==~	6	28815
30	28941	LD 103	EXL	BA9S	V48	==~	8	28816
31	28942	LD 103		BA9S	V48	==~	1	28818
32	28943	LD 103		BA9S	V48	==~	2	28821
33	28945	LD 103		BA9S	V48	==~	3	28822
34	28946	LD 103		BA9S	V48	==~	5	28823
35	28948	LD 103	EXL	BA9S	V48	==~	6	28825
36	28951	LD 103	EXL	BA9S	V110	~	8	28826
37	28952	LD 103		BA9S	V110	~	1	28828
38	28953	LD 103		BA9S	V110	~	2	
39	28955	LD 103		BA9S	V110	~	3	
40	28956	LD 103		BA9S	V110	~	5	
41	28958	LD 103	EXL	BA9S	V110	~	6	
42	28961	LD 103	EXL	BA9S	V230/240	~	8	
43	28962	LD 103		BA9S	V230/240	~	1	
44	28963	LD 103		BA9S	V230/240	~	2	
45	28965	LD 103		BA9S	V230/240	~	3	
46	28966	LD 103		BA9S	V230/240	~	5	
47	28968	LD 103	EXL	BA9S	V230/240	~	6	
48	28681	LD 103	EXL	BA15S	V12	==~	8	
49	28682	LD 103		BA15S	V12	==~	1	
50	28683	LD 103		BA15S	V12	==~	2	
51	28685	LD 103		BA15S	V12	==~	3	
52	28686	LD 103		BA15S	V12	==~	5	
53	28688	LD 103	EXL	BA15S	V12	==~	6	
54	28691	LD 103	EXL	BA15S	V24	==~	8	
55	28692	LD 103		BA15S	V24	==~	1	
56	28693	LD 103		BA15S	V24	==~	2	
57	28695	LD 103		BA15S	V24	==~	3	
58	28696	LD 103		BA15S	V24	==~	5	
59	28698	LD 103	EXL	BA15S	V24	==~	6	
60	28701	LD 103	EXL	BA15S	V48	==~	8	
61	28702	LD 103		BA15S	V48	==~	1	
62	28703	LD 103		BA15S	V48	==~	2	
63	28705	LD 103		BA15S	V48	==~	3	
64	28706	LD 103	EXL	BA15S	V48	==~	5	
65	28708	LD 103		BA15S	V48	==~	6	

1	28712	LD 103		BA15S	V110	~	2	28141
2	28713	LD 103		BA15S	V110	~	3	28142
3	28715	LD 103		BA15S	V110	~	5	28143
4	28716	LD 103		BA15S	V110	~	6	28145
5	28718	LD 103	EXL	BA15S	V110	~	8	28146
6	28721	LD 103	EXL	BA15S	V230/240	~	1	28148
7	28722	LD 103		BA15S	V230/240	~	2	28781
8	28723	LD 103		BA15S	V230/240	~	3	28782
9	28725	LD 103		BA15S	V230/240	~	5	28783
10	28726	LD 103		BA15S	V230/240	~	6	28785
11	28728	LD 103	EXL	BA15S	V230/240	~	8	28786
12	29491	LD 103	EXL	BA15D	V12	==~	1	28788
13	29492	LD 103		BA15D	V12	==~	2	28791
14	29493	LD 103		BA15D	V12	==~	3	28792
15	29495	LD 103		BA15D	V12	==~	5	28793
16	29496	LD 103		BA15D	V12	==~	6	28795
17	29498	LD 103	EXL	BA15D	V12	==~	8	28796
18	27801	LD 103	EXL	BA15D	V24	==~	1	28798
19	27802	LD 103		BA15D	V24	==~	2	28801
20	27803	LD 103		BA15D	V24	==~	3	28802
21	27805	LD 103		BA15D	V24	==~	5	28803
22	27806	LD 103		BA15D	V24	==~	6	28805
23	27808	LD 103	EXL	BA15D	V24	==~	8	28806
24	29501	LD 103	EXL	BA15D	V48	==~	1	28808
25	29502	LD 103		BA15D	V48	==~	2	28811
26	29503	LD 103		BA15D	V48	==~	3	28812
27	29505	LD 103		BA15D	V48	==~	5	28813
28	29506	LD 103		BA15D	V48	==~	6	28815
29	29508	LD 103	EXL	BA15D	V48	==~	8	28816
30	29511	LD 103	EXL	BA15D	V110	~	1	28818
31	29512	LD 103		BA15D	V110	~	2	28821
32	29513	LD 103		BA15D	V110	~	3	28822
33	29515	LD 103		BA15D	V110	~	5	28823
34	29516	LD 103		BA15D	V110	~	6	28825
35	29518	LD 103	EXL	BA15D	V110	~	8	28826
36	29521	LD 103	EXL	BA15D	V230/240	~	1	28828
37	29522	LD 103		BA15D	V230/240	~	2	
38	29523	LD 103		BA15D	V230/240	~	3	
39	29525	LD 103		BA15D	V230/240	~	5	
40	29526	LD 103		BA15D	V230/240	~	6	
41	29528	LD 103	EXL	BA15D	V230/240	~	8	
42	28101	LD 103	EXL	E10	V12	==~	1	
43	28102	LD 103		E10	V12	==~	2	
44	28103	LD 103		E10	V12	==~	3	
45	28105	LD 103		E10	V12	==~	5	
46	28106	LD 103		E10	V12	==~	6	
47	28108	LD 103	EXL	E10	V12	==~	8	
48	27861	LD 103	EXL	E10	V24	==~	1	
49	27862	LD 103		E10	V24	==~	2	
50	27863	LD 103		E10	V24	==~	3	
51	27865	LD 103		E10	V24	==~	5	
52	27866	LD 103		E10	V24	==~	6	
53	27868	LD 103	EXL	E10	V24	==~	8	
54	28121	LD 103	EXL	E10	V48	==~	1	
55	28122	LD 103		E10	V48	==~	2	
56	28123	LD 103		E10	V48	==~	3	
57	28125	LD 103		E10	V48	==~	5	
58	28126	LD 103		E10	V48	==~	6	
59	28128	LD 103	EXL	E10	V48	==~	8	
60	28131	LD 103	EXL	E10	V110	~	1	
61	28132	LD 103		E10	V110	~	2	
62	28133	LD 103		E10	V110	~	3	
63	28135	LD 103		E10	V110	~	5	
64	28136	LD 103		E10	V110	~	6	

1	28971	LD 113	EXL	BA9S	V12	==~	2	28972
2	28972	LD 113		BA9S	V12	==~	3	28973
3	28973	LD 113		BA9S	V12	==~	5	28975
4	28975	LD 113		BA9S	V12	==~	6	28976
5	28976	LD 113	EXL	BA9S	V12	==~	8	28978
6	27961	LD 113		BA9S	V24	==~	1	27962
7	27962	LD 113		BA9S	V24	==~	2	27963
8	27963	LD 113		BA9S	V24	==~	3	27965
9	27965	LD 113		BA9S	V24	==~	5	27966

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1	27968	LD 113	EXL	BA9S	V24	==~	8
2	28981	LD 113	EXL	BA9S	V48	==~	1
3	28982	LD 113		BA9S	V48	==~	2
4	28983	LD 113		BA9S	V48	==~	3
5	28985	LD 113		BA9S	V48	==~	5
6	28986	LD 113		BA9S	V48	==~	6
7	28988	LD 113	EXL	BA9S	V48	==~	8
8	28991	LD 113	EXL	BA9S	V110	~	1
9	28992	LD 113		BA9S	V110	~	2
10	28993	LD 113		BA9S	V110	~	3
11	28995	LD 113		BA9S	V110	~	5
12	28996	LD 113		BA9S	V110	~	6
13	28998	LD 113	EXL	BA9S	V110	~	8
14	29001	LD 113	EXL	BA9S	V230/240	~	1
15	29002	LD 113		BA9S	V230/240	~	2
16	29003	LD 113		BA9S	V230/240	~	3
17	29005	LD 113		BA9S	V230/240	~	5
18	29006	LD 113		BA9S	V230/240	~	6
19	29008	LD 113	EXL	BA9S	V230/240	~	8
20	28731	LD 113	EXL	BA15S	V12	==~	1
21	28732	LD 113		BA15S	V12	==~	2
22	28733	LD 113		BA15S	V12	==~	3
23	28735	LD 113		BA15S	V12	==~	5
24	28736	LD 113		BA15S	V12	==~	6
25	28738	LD 113	EXL	BA15S	V12	==~	8
26	28741	LD 113	EXL	BA15S	V24	==~	1
27	28742	LD 113		BA15S	V24	==~	2
28	28743	LD 113		BA15S	V24	==~	3
29	28745	LD 113		BA15S	V24	==~	5
30	28746	LD 113		BA15S	V24	==~	6
31	28748	LD 113	EXL	BA15S	V24	==~	8
32	28751	LD 113	EXL	BA15S	V48	==~	1
33	28752	LD 113		BA15S	V48	==~	2
34	28753	LD 113		BA15S	V48	==~	3
35	28755	LD 113		BA15S	V48	==~	5
36	28756	LD 113		BA15S	V48	==~	6
37	28758	LD 113	EXL	BA15S	V48	==~	8
38	28761	LD 113	EXL	BA15S	V110	~	1
39	28762	LD 113		BA15S	V110	~	2
40	28763	LD 113		BA15S	V110	~	3
41	28765	LD 113		BA15S	V110	~	5
42	28766	LD 113		BA15S	V110	~	6
43	28768	LD 113	EXL	BA15S	V110	~	8
44	28771	LD 113	EXL	BA15S	V230/240	~	1
45	28772	LD 113		BA15S	V230/240	~	2
46	28773	LD 113		BA15S	V230/240	~	3
47	28775	LD 113		BA15S	V230/240	~	5
48	28776	LD 113		BA15S	V230/240	~	6
49	28778	LD 113	EXL	BA15S	V230/240	~	8
50	29531	LD 113	EXL	BA15D	V12	==~	1
51	29532	LD 113		BA15D	V12	==~	2
52	29533	LD 113		BA15D	V12	==~	3
53	29535	LD 113		BA15D	V12	==~	5
54	29536	LD 113		BA15D	V12	==~	6
55	29538	LD 113	EXL	BA15D	V12	==~	8
56	27971	LD 113	EXL	BA15D	V24	==~	1
57	27972	LD 113		BA15D	V24	==~	2
58	27973	LD 113		BA15D	V24	==~	3
59	27975	LD 113		BA15D	V24	==~	5
60	27976	LD 113		BA15D	V24	==~	6
61	27978	LD 113	EXL	BA15D	V24	==~	8
62	29541	LD 113	EXL	BA15D	V48	==~	1
63	29542	LD 113		BA15D	V48	==~	2
64	29543	LD 113		BA15D	V48	==~	3
65	29545	LD 113		BA15D	V48	==~	5

2	29546	LD 113		BA15D	V48	==~	6
3	29548	LD 113	EXL	BA15D	V48	==~	8
4	29551	LD 113	EXL	BA15D	V110	~	1
5	29552	LD 113		BA15D	V110	~	2
6	29553	LD 113		BA15D	V110	~	3
7	29555	LD 113		BA15D	V110	~	5
8	29556	LD 113		BA15D	V110	~	6
9	29558	LD 113	EXL	BA15D	V110	~	8
10	29561	LD 113	EXL	BA15D	V230/240	~	1
11	29562	LD 113		BA15D	V230/240	~	2
12	29563	LD 113		BA15D	V230/240	~	3
13	29565	LD 113		BA15D	V230/240	~	5
14	29566	LD 113		BA15D	V230/240	~	6
15	29568	LD 113	EXL	BA15D	V230/240	~	8
16	28151	LD 113	EXL	E10	V12	==~	1
17	28152	LD 113		E10	V12	==~	2
18	28153	LD 113		E10	V12	==~	3
19	28155	LD 113		E10	V12	==~	5
20	28156	LD 113		E10	V12	==~	6
21	28158	LD 113	EXL	E10	V12	==~	8
22	28159	LD 113		E10	V24	==~	1
23	28160	LD 113		E10	V24	==~	2
24	28161	LD 113	EXL	E10	V48	==~	1
25	28162	LD 113		E10	V48	==~	2
26	28163	LD 113		E10	V48	==~	3
27	28165	LD 113		E10	V48	==~	5
28	28166	LD 113		E10	V48	==~	6
29	28168	LD 113	EXL	E10	V48	==~	8
30	28171	LD 113	EXL	E10	V110	~	1
31	28172	LD 113		E10	V110	~	2
32	28173	LD 113		E10	V110	~	3
33	28175	LD 113		E10	V110	~	5
34	28176	LD 113		E10	V110	~	6
35	28178	LD 113	EXL	E10	V110	~	8
36	28181	LD 113	EXL	E10	V230/240	~	1
37	28182	LD 113		E10	V230/240	~	2
38	28183	LD 113		E10	V230/240	~	3
39	28184	LD 113		E10	V230/240	~	5
40	28185	LD 113		E10	V230/240	~	6
41	28186	LD 113		E10	V230/240	~	8
42	28188	LD 113	EXL	E10	V230/240	~	8
43	28831	LD 113	EXL	E14	V12	==~	1
44	28832	LD 113		E14	V12	==~	2
45	28833	LD 113		E14	V12	==~	3
46	28835	LD 113		E14	V12	==~	5
47	28836	LD 113		E14	V12	==~	6
48	28838	LD 113	EXL	E14	V12	==~	8
49	28841	LD 113	EXL	E14	V24	==~	1
50	28842	LD 113		E14	V24	==~	2
51	28843	LD 113		E14	V24	==~	3
52	28845	LD 113		E14	V24	==~	5
53	28846	LD 113		E14	V24	==~	6
54	28848	LD 113	EXL	E14	V24	==~	8
55	28851	LD 113	EXL	E14	V48	==~	1
56	28852	LD 113		E14	V48	==~	2
57	28853	LD 113		E14	V48	==~	3
58	28855	LD 113		E14	V48	==~	5
59	28856	LD 113		E14	V48	==~	6
60	28858	LD 113	EXL	E14	V48	==~	8
61	28861	LD 113	EXL	E14	V110	~	1
62	28862	LD 113		E14	V110	~	2
63	28863	LD 113		E14	V110	~	3

64	28865	LD 113		E14	V110	~	5
65	28866	LD 113		E14	V110	~	6
66	28868	LD 113	EXL	E14	V110	~	8
67	28871	LD 113	EXL	E14	V230/240	~	1
68	28872	LD 113		E14	V230/240	~	2
69	28873	LD 113		E14	V230/240	~	3
70	28875	LD 113		E14	V230/240	~	5
71	28876	LD 113		E14	V230/240	~	6
72	28878	LD 113	EXL	E14	V230/240	~	8

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65



Ba 15d

Codice
Code
Kode
Código
Zoccolo
Socket
Culot
Sokkel
Zoccolo

LD

4.5.4 WO

BA15D V12 ==~

BA15D V110 ~



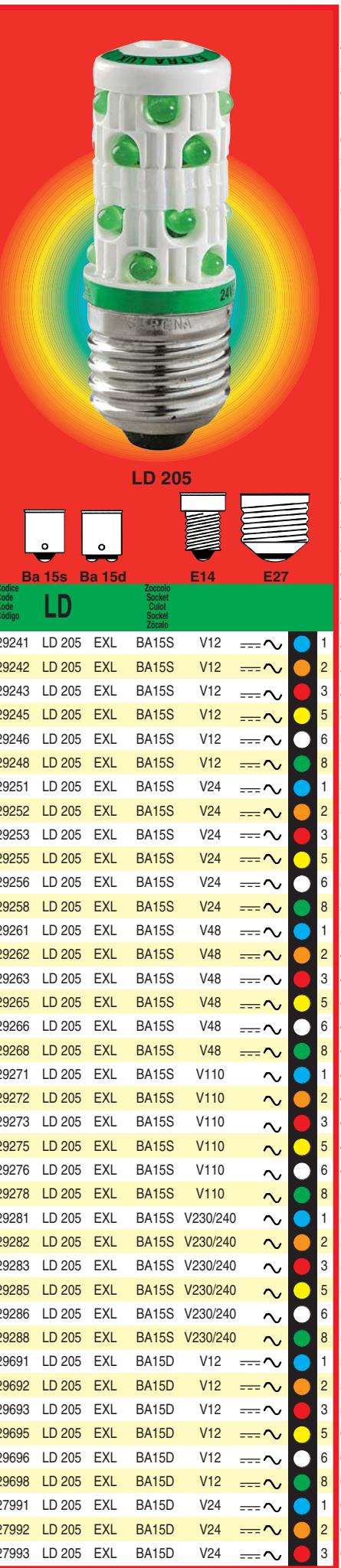
Codice Code Kode Código	LD	Zoccolo Socket Cutlo Sockel Zicalo	BA15S	V12	---~	
29161	LD 105	EXL	BA15S	V12	---~	1
29162	LD 105	EXL	BA15S	V12	---~	2
29163	LD 105	EXL	BA15S	V12	---~	3
29165	LD 105	EXL	BA15S	V12	---~	5
29166	LD 105	EXL	BA15S	V12	---~	6
29168	LD 105	EXL	BA15S	V12	---~	8
27921	LD 105	EXL	BA15S	V24	---~	1
27922	LD 105	EXL	BA15S	V24	---~	2
27923	LD 105	EXL	BA15S	V24	---~	3
27925	LD 105	EXL	BA15S	V24	---~	5
27926	LD 105	EXL	BA15S	V24	---~	6
27928	LD 105	EXL	BA15S	V24	---~	8
29171	LD 105	EXL	BA15S	V48	---~	1
29172	LD 105	EXL	BA15S	V48	---~	2
29173	LD 105	EXL	BA15S	V48	---~	3
29175	LD 105	EXL	BA15S	V48	---~	5
29176	LD 105	EXL	BA15S	V48	---~	6
29178	LD 105	EXL	BA15S	V48	---~	8
29181	LD 105	EXL	BA15S	V110	~	1
29182	LD 105	EXL	BA15S	V110	~	2
29183	LD 105	EXL	BA15S	V110	~	3
29185	LD 105	EXL	BA15S	V110	~	5
29186	LD 105	EXL	BA15S	V110	~	6
29188	LD 105	EXL	BA15S	V110	~	8
29191	LD 105	EXL	BA15S	V230/240	~	1
29192	LD 105	EXL	BA15S	V230/240	~	2
29193	LD 105	EXL	BA15S	V230/240	~	3
29195	LD 105	EXL	BA15S	V230/240	~	5
29196	LD 105	EXL	BA15S	V230/240	~	6
29198	LD 105	EXL	BA15S	V230/240	~	8
29571	LD 105	EXL	BA15D	V12	---~	1
29572	LD 105	EXL	BA15D	V12	---~	2
29573	LD 105	EXL	BA15D	V12	---~	3
29575	LD 105	EXL	BA15D	V12	---~	5
29576	LD 105	EXL	BA15D	V12	---~	6
29578	LD 105	EXL	BA15D	V12	---~	8
27881	LD 105	EXL	BA15D	V24	---~	1
27882	LD 105	EXL	BA15D	V24	---~	2
27883	LD 105	EXL	BA15D	V24	---~	3
27885	LD 105	EXL	BA15D	V24	---~	5
27886	LD 105	EXL	BA15D	V24	---~	6
27888	LD 105	EXL	BA15D	V24	---~	8
29581	LD 105	EXL	BA15D	V48	---~	1
29582	LD 105	EXL	BA15D	V48	---~	2
29583	LD 105	EXL	BA15D	V48	---~	3

29585	LD 105	EXL	BA15D	V48	---~	
29586	LD 105	EXL	BA15D	V48	---~	
29588	LD 105	EXL	BA15D	V48	---~	
29591	LD 105	EXL	BA15D	V110	~	
29592	LD 105	EXL	BA15D	V110	~	
29593	LD 105	EXL	BA15D	V110	~	
29595	LD 105	EXL	BA15D	V110	~	
29596	LD 105	EXL	BA15D	V110	~	
29598	LD 105	EXL	BA15D	V110	~	
29601	LD 105	EXL	BA15D	V230/240	~	
29602	LD 105	EXL	BA15D	V230/240	~	
29603	LD 105	EXL	BA15D	V230/240	~	
29605	LD 105	EXL	BA15D	V230/240	~	
29606	LD 105	EXL	BA15D	V230/240	~	
29608	LD 105	EXL	BA15D	V230/240	~	
28331	LD 105	EXL	E14	V12	---~	
28332	LD 105	EXL	E14	V12	---~	
28333	LD 105	EXL	E14	V12	---~	
28335	LD 105	EXL	E14	V12	---~	
28336	LD 105	EXL	E14	V12	---~	
28338	LD 105	EXL	E14	V12	---~	
28341	LD 105	EXL	E14	V24	---~	
28342	LD 105	EXL	E14	V24	---~	
28343	LD 105	EXL	E14	V24	---~	
28345	LD 105	EXL	E14	V24	---~	
28346	LD 105	EXL	E14	V24	---~	
28348	LD 105	EXL	E14	V24	---~	
28351	LD 105	EXL	E14	V48	---~	
28352	LD 105	EXL	E14	V48	---~	
28353	LD 105	EXL	E14	V48	---~	
28355	LD 105	EXL	E14	V48	---~	
28356	LD 105	EXL	E14	V48	---~	
28358	LD 105	EXL	E14	V48	---~	
28361	LD 105	EXL	E14	V110	~	
28362	LD 105	EXL	E14	V110	~	
28363	LD 105	EXL	E14	V110	~	
28365	LD 105	EXL	E14	V110	~	
28366	LD 105	EXL	E14	V110	~	
28368	LD 105	EXL	E14	V110	~	
28371	LD 105	EXL	E14	V230/240	~	
28372	LD 105	EXL	E14	V230/240	~	
28373	LD 105	EXL	E14	V230/240	~	
28375	LD 105	EXL	E14	V230/240	~	
28376	LD 105	EXL	E14	V230/240	~	
28378	LD 105	EXL	E14	V230/240	~	

	LD 105 ELLISSE		Ba 15d
Codice Code Código	LD	Zoccolo Sockel Cuello Socket Zócalo	
27901	LD 105 EXL BA15D ELL.	V12	---~
27902	LD 105 EXL BA15D ELL.	V12	---~
27903	LD 105 EXL BA15D ELL.	V12	---~
27905	LD 105 EXL BA15D ELL.	V12	---~
27906	LD 105 EXL BA15D ELL.	V12	---~
27908	LD 105 EXL BA15D ELL.	V12	---~
27811	LD 105 EXL BA15D ELL.	V24	---~
27812	LD 105 EXL BA15D ELL.	V24	---~
27813	LD 105 EXL BA15D ELL.	V24	---~
27815	LD 105 EXL BA15D ELL.	V24	---~
27816	LD 105 EXL BA15D ELL.	V24	---~
27818	LD 105 EXL BA15D ELL.	V24	---~
27821	LD 105 EXL BA15D ELL.	V48	---~
27822	LD 105 EXL BA15D ELL.	V48	---~
27823	LD 105 EXL BA15D ELL.	V48	---~
27825	LD 105 EXL BA15D ELL.	V48	---~
27826	LD 105 EXL BA15D ELL.	V48	---~
27828	LD 105 EXL BA15D ELL.	V48	---~
27911	LD 105 EXL BA15D ELL.	V110	~
27912	LD 105 EXL BA15D ELL.	V110	~
27913	LD 105 EXL BA15D ELL.	V110	~
27915	LD 105 EXL BA15D ELL.	V110	~
27916	LD 105 EXL BA15D ELL.	V110	~
27918	LD 105 EXL BA15D ELL.	V110	~
29741	LD 105 EXL BA15D ELL.	V230/240	~
29742	LD 105 EXL BA15D ELL.	V230/240	~
29743	LD 105 EXL BA15D ELL.	V230/240	~
29745	LD 105 EXL BA15D ELL.	V230/240	~
29746	LD 105 EXL BA15D ELL.	V230/240	~
29748	LD 105 EXL BA15D ELL.	V230/240	~



29665	LD 115	EXL	BA15D	V48	==~	5
29666	LD 115	EXL	BA15D	V48	==~	6
29668	LD 115	EXL	BA15D	V48	==~	8
29671	LD 115	EXL	BA15D	V110	~	1
29672	LD 115	EXL	BA15D	V110	~	2
29673	LD 115	EXL	BA15D	V110	~	3
29675	LD 115	EXL	BA15D	V110	~	5
29676	LD 115	EXL	BA15D	V110	~	6
29678	LD 115	EXL	BA15D	V110	~	8
29681	LD 115	EXL	BA15D	V230/240	~	1
29682	LD 115	EXL	BA15D	V230/240	~	2
29683	LD 115	EXL	BA15D	V230/240	~	3
29685	LD 115	EXL	BA15D	V230/240	~	5
29686	LD 115	EXL	BA15D	V230/240	~	6
29688	LD 115	EXL	BA15D	V230/240	~	8
28381	LD 115	EXL	E14	V12	==~	1
28382	LD 115	EXL	E14	V12	==~	2
28383	LD 115	EXL	E14	V12	==~	3
28385	LD 115	EXL	E14	V12	==~	5
28386	LD 115	EXL	E14	V12	==~	6
28388	LD 115	EXL	E14	V12	==~	8
28391	LD 115	EXL	E14	V24	==~	1
28392	LD 115	EXL	E14	V24	==~	2
28393	LD 115	EXL	E14	V24	==~	3
28395	LD 115	EXL	E14	V24	==~	5
28396	LD 115	EXL	E14	V24	==~	6
28398	LD 115	EXL	E14	V24	==~	8
28401	LD 115	EXL	E14	V48	==~	1
28402	LD 115	EXL	E14	V48	==~	2
28403	LD 115	EXL	E14	V48	==~	3
28405	LD 115	EXL	E14	V48	==~	5
28406	LD 115	EXL	E14	V48	==~	6
28408	LD 115	EXL	E14	V48	==~	8
28411	LD 115	EXL	E14	V110	~	1
28412	LD 115	EXL	E14	V110	~	2
28413	LD 115	EXL	E14	V110	~	3
28415	LD 115	EXL	E14	V110	~	5
28416	LD 115	EXL	E14	V110	~	6
28418	LD 115	EXL	E14	V110	~	8
28421	LD 115	EXL	E14	V230/240	~	1
28422	LD 115	EXL	E14	V230/240	~	2
28423	LD 115	EXL	E14	V230/240	~	3
28425	LD 115	EXL	E14	V230/240	~	5
28426	LD 115	EXL	E14	V230/240	~	6
28428	LD 115	EXL	E14	V230/240	~	8





1	27995	LD 205	EXL	BA15D	V24	---~	5	37173	LD 205	EXL	E27	V48	---~	3	34576	LD 305	EXL	BA15S	V48	---~	6	1
2	27996	LD 205	EXL	BA15D	V24	---~	6	37175	LD 205	EXL	E27	V48	---~	5	34578	LD 305	EXL	BA15S	V48	---~	8	2
3	27998	LD 205	EXL	BA15D	V24	---~	8	37176	LD 205	EXL	E27	V48	---~	6	34581	LD 305	EXL	BA15S	V110	~	1	3
4	29701	LD 205	EXL	BA15D	V48	---~	1	37178	LD 205	EXL	E27	V48	---~	8	34582	LD 305	EXL	BA15S	V110	~	2	4
5	29702	LD 205	EXL	BA15D	V48	---~	2	37181	LD 205	EXL	E27	V110	~	1	34583	LD 305	EXL	BA15S	V110	~	3	5
6	29703	LD 205	EXL	BA15D	V48	---~	3	37182	LD 205	EXL	E27	V110	~	2	34585	LD 305	EXL	BA15S	V110	~	5	6
7	29705	LD 205	EXL	BA15D	V48	---~	5	37183	LD 205	EXL	E27	V110	~	3	34586	LD 305	EXL	BA15S	V110	~	6	7
8	29706	LD 205	EXL	BA15D	V48	---~	6	37185	LD 205	EXL	E27	V110	~	5	34588	LD 305	EXL	BA15S	V110	~	8	8
9	29708	LD 205	EXL	BA15D	V48	---~	8	37186	LD 205	EXL	E27	V110	~	6	34591	LD 305	EXL	BA15S	V230/240	~	1	9
10	29711	LD 205	EXL	BA15D	V110	~	1	37188	LD 205	EXL	E27	V110	~	8	34592	LD 305	EXL	BA15S	V230/240	~	2	10
11	29712	LD 205	EXL	BA15D	V110	~	2	37191	LD 205	EXL	E27	V230/240	~	1	34593	LD 305	EXL	BA15S	V230/240	~	3	11
12	29713	LD 205	EXL	BA15D	V110	~	3	37192	LD 205	EXL	E27	V230/240	~	2	34595	LD 305	EXL	BA15S	V230/240	~	5	12
13	29715	LD 205	EXL	BA15D	V110	~	5	37193	LD 205	EXL	E27	V230/240	~	3	34596	LD 305	EXL	BA15S	V230/240	~	6	13
14	29716	LD 205	EXL	BA15D	V110	~	6	37195	LD 205	EXL	E27	V230/240	~	5	34598	LD 305	EXL	BA15S	V230/240	~	8	14
15	29718	LD 205	EXL	BA15D	V110	~	8	37196	LD 205	EXL	E27	V230/240	~	6	34501	LD 305	EXL	BA15D	V12	---~	1	15
16	29721	LD 205	EXL	BA15D	V230/240	~	1	37198	LD 205	EXL	E27	V230/240	~	8	34502	LD 305	EXL	BA15D	V12	---~	2	16
17	29722	LD 205	EXL	BA15D	V230/240	~	2								34503	LD 305	EXL	BA15D	V12	---~	3	17
18	29723	LD 205	EXL	BA15D	V230/240	~	3								34505	LD 305	EXL	BA15D	V12	---~	5	18
19	29725	LD 205	EXL	BA15D	V230/240	~	5								34506	LD 305	EXL	BA15D	V12	---~	6	19
20	29726	LD 205	EXL	BA15D	V230/240	~	6								34508	LD 305	EXL	BA15D	V12	---~	8	20
21	29728	LD 205	EXL	BA15D	V230/240	~	8								34511	LD 305	EXL	BA15D	V24	---~	1	21
22	28431	LD 205	EXL	E14	V12	---~	1								34512	LD 305	EXL	BA15D	V24	---~	2	22
23	28432	LD 205	EXL	E14	V12	---~	2								34513	LD 305	EXL	BA15D	V24	---~	3	23
24	28433	LD 205	EXL	E14	V12	---~	3								34515	LD 305	EXL	BA15D	V24	---~	5	24
25	28435	LD 205	EXL	E14	V12	---~	5								34516	LD 305	EXL	BA15D	V24	---~	6	25
26	28436	LD 205	EXL	E14	V12	---~	6								34518	LD 305	EXL	BA15D	V24	---~	8	26
27	28438	LD 205	EXL	E14	V12	---~	8								34521	LD 305	EXL	BA15D	V48	---~	1	27
28	28441	LD 205	EXL	E14	V24	---~	1								34522	LD 305	EXL	BA15D	V48	---~	2	28
29	28442	LD 205	EXL	E14	V24	---~	2								34523	LD 305	EXL	BA15D	V48	---~	3	29
30	28443	LD 205	EXL	E14	V24	---~	3								34525	LD 305	EXL	BA15D	V48	---~	5	30
31	28445	LD 205	EXL	E14	V24	---~	5								34526	LD 305	EXL	BA15D	V48	---~	6	31
32	28446	LD 205	EXL	E14	V24	---~	6								34528	LD 305	EXL	BA15D	V48	---~	8	32
33	28448	LD 205	EXL	E14	V24	---~	8								34531	LD 305	EXL	BA15D	V110	~	1	33
34	28451	LD 205	EXL	E14	V48	---~	1								34532	LD 305	EXL	BA15D	V110	~	2	34
35	28452	LD 205	EXL	E14	V48	---~	2								34533	LD 305	EXL	BA15D	V110	~	3	35
36	28453	LD 205	EXL	E14	V48	---~	3								34535	LD 305	EXL	BA15D	V110	~	5	36
37	28455	LD 205	EXL	E14	V48	---~	5								34536	LD 305	EXL	BA15D	V110	~	6	37
38	28456	LD 205	EXL	E14	V48	---~	6								34538	LD 305	EXL	BA15D	V110	~	8	38
39	28458	LD 205	EXL	E14	V48	---~	8								34541	LD 305	EXL	BA15D	V230/240	~	1	39
40	28461	LD 205	EXL	E14	V110	~	1								34542	LD 305	EXL	BA15D	V230/240	~	2	40
41	28462	LD 205	EXL	E14	V110	~	2								34543	LD 305	EXL	BA15D	V230/240	~	3	41
42	28463	LD 205	EXL	E14	V110	~	3								34545	LD 305	EXL	BA15D	V230/240	~	5	42
43	28465	LD 205	EXL	E14	V110	~	5								34546	LD 305	EXL	BA15D	V230/240	~	6	43
44	28466	LD 205	EXL	E14	V110	~	6								34548	LD 305	EXL	BA15D	V230/240	~	8	44
45	28468	LD 205	EXL	E14	V110	~	8								34601	LD 305	EXL	E14	V12	---~	1	45
46	28471	LD 205	EXL	E14	V230/240	~	1								34602	LD 305	EXL	E14	V12	---~	2	46
47	28472	LD 205	EXL	E14	V230/240	~	2								34603	LD 305	EXL	E14	V12	---~	3	47
48	28473	LD 205	EXL	E14	V230/240	~	3								34605	LD 305	EXL	E14	V12	---~	5	48
49	28475	LD 205	EXL	E14	V230/240	~	5								34606	LD 305	EXL	E14	V12	---~	6	49
50	28476	LD 205	EXL	E14	V230/240	~	6								34608	LD 305	EXL	E14	V12	---~	8	50
51	28478	LD 205	EXL	E14	V230/240	~	8								34611	LD 305	EXL	E14	V24	---~	1	51
52	37151	LD 205	EXL	E27	V12	---~	1								34612	LD 305	EXL	E14	V24	---~	2	52
53	37152	LD 205	EXL	E27	V12	---~	2								34613	LD 305	EXL	E14	V24	---~	3	53
54	37153	LD 205	EXL	E27	V12	---~	3								34615	LD 305	EXL	E14	V24	---~	5	54
55	37155	LD 205	EXL	E27	V12	---~	5								34616	LD 305	EXL	E14	V24	---~	6	55
56	37156	LD 205	EXL	E27	V12	---~	6								34618	LD 305	EXL	E14	V24	---~	8	56
57	37158	LD 205	EXL	E27	V12	---~	8								34621	LD 305	EXL	E14	V48	---~	1	57
58	37161	LD 205	EXL	E27	V24	---~	1								34622	LD 305	EXL	E14	V48	---~	2	58
59	37162	LD 205	EXL	E27	V24	---~	2								34623	LD 305	EXL	E14	V48	---~	3	59
60	37163	LD 205	EXL	E27	V24	---~	3								34625	LD 305	EXL	E14	V48	---~	5	60
61	37165	LD 205	EXL	E27	V24	---~	5								34626	LD 305	EXL	E14	V48	---~	6	61
62	37166	LD 205	EXL	E27	V24	---~	6								34628	LD 305	EXL	E14	V48	---~	8	62
63	37168	LD 205	EXL	E27	V24	---~	8								34631	LD 305	EXL	E14	V110	~	1	63
64	37171	LD 205	EXL	E27	V48	---~	1								34632	LD 305	EXL	E14	V110	~	2	64
65	37172	LD 205	EXL	E27	V48	---~	2								34633	LD 305	EXL	E14	V110	~	3	65





1	34635	LD 305	EXL	E14	V110	~	5
2	34636	LD 305	EXL	E14	V110	~	6
3	34638	LD 305	EXL	E14	V110	~	8
4	34641	LD 305	EXL	E14	V230/240	~	1
5	34642	LD 305	EXL	E14	V230/240	~	2
6	34643	LD 305	EXL	E14	V230/240	~	3
7	34645	LD 305	EXL	E14	V230/240	~	5
8	34646	LD 305	EXL	E14	V230/240	~	6
9	34648	LD 305	EXL	E14	V230/240	~	8
10	37711	LD 305	EXL	E27	V12	~~~	1
11	37712	LD 305	EXL	E27	V12	~~~	2
12	37713	LD 305	EXL	E27	V12	~~~	3
13	37715	LD 305	EXL	E27	V12	~~~	5
14	37716	LD 305	EXL	E27	V12	~~~	6
15	37718	LD 305	EXL	E27	V12	~~~	8
16	37721	LD 305	EXL	E27	V24	~~~	1
17	37722	LD 305	EXL	E27	V24	~~~	2
18	37723	LD 305	EXL	E27	V24	~~~	3
19	37725	LD 305	EXL	E27	V24	~~~	5
20	37726	LD 305	EXL	E27	V24	~~~	6
21	37728	LD 305	EXL	E27	V24	~~~	8
22	37731	LD 305	EXL	E27	V48	~~~	1
23	37732	LD 305	EXL	E27	V48	~~~	2
24	37733	LD 305	EXL	E27	V48	~~~	3
25	37735	LD 305	EXL	E27	V48	~~~	5
26	37736	LD 305	EXL	E27	V48	~~~	6
27	37738	LD 305	EXL	E27	V48	~~~	8
28	37741	LD 305	EXL	E27	V110	~	1
29	37742	LD 305	EXL	E27	V110	~	2
30	37743	LD 305	EXL	E27	V110	~	3
31	37745	LD 305	EXL	E27	V110	~	5
32	37746	LD 305	EXL	E27	V110	~	6
33	37748	LD 305	EXL	E27	V110	~	8
34	37751	LD 305	EXL	E27	V230/240	~	1
35	37752	LD 305	EXL	E27	V230/240	~	2
36	37753	LD 305	EXL	E27	V230/240	~	3
37	37755	LD 305	EXL	E27	V230/240	~	5
38	37756	LD 305	EXL	E27	V230/240	~	6
39	37758	LD 305	EXL	E27	V230/240	~	8
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LD

Codice	Zoccolo
Code	Socket
Kode	Culot
Código	Soccket
Código	Zoccolo

34651	LD 405	EXL	E27	V12	~~~	1	36
34652	LD 405	EXL	E27	V12	~~~	2	37
34653	LD 405	EXL	E27	V12	~~~	3	38
34655	LD 405	EXL	E27	V12	~~~	5	39
34656	LD 405	EXL	E27	V12	~~~	6	40
34658	LD 405	EXL	E27	V12	~~~	8	41
34661	LD 405	EXL	E27	V24	~~~	1	42
34662	LD 405	EXL	E27	V24	~~~	2	43
34663	LD 405	EXL	E27	V24	~~~	3	44
34665	LD 405	EXL	E27	V24	~~~	5	45
34666	LD 405	EXL	E27	V24	~~~	6	46
34668	LD 405	EXL	E27	V24	~~~	8	47
34671	LD 405	EXL	E27	V48	~~~	1	48
34672	LD 405	EXL	E27	V48	~~~	2	49
34673	LD 405	EXL	E27	V48	~~~	3	50
34675	LD 405	EXL	E27	V48	~~~	5	51
34676	LD 405	EXL	E27	V48	~~~	6	52
34678	LD 405	EXL	E27	V48	~~~	8	53
34681	LD 405	EXL	E27	V110	~	1	54
34682	LD 405	EXL	E27	V110	~	2	55
34683	LD 405	EXL	E27	V110	~	3	56
34685	LD 405	EXL	E27	V110	~	5	57
34686	LD 405	EXL	E27	V110	~	6	58
34688	LD 405	EXL	E27	V110	~	8	59
34691	LD 405	EXL	E27	V230/240	~	1	60
34692	LD 405	EXL	E27	V230/240	~	2	61
34693	LD 405	EXL	E27	V230/240	~	3	62
34695	LD 405	EXL	E27	V230/240	~	5	63
34696	LD 405	EXL	E27	V230/240	~	6	64
34698	LD 405	EXL	E27	V230/240	~	8	65



E27



LD

	Code	Code	Code	Code	Zoccolo	Socket	Culot	Sockel	Socle	Zócalo		
36	37051	LD 445	EXL	E27	V12	---	~				1	1
37	37052	LD 445	EXL	E27	V12	---	~				2	2
38	37053	LD 445	EXL	E27	V12	---	~				3	3
39	37055	LD 445	EXL	E27	V12	---	~				5	4
40	37056	LD 445	EXL	E27	V12	---	~				6	5
41	37058	LD 445	EXL	E27	V12	---	~				8	6
42	37061	LD 445	EXL	E27	V24	---	~				1	1
43	37062	LD 445	EXL	E27	V24	---	~				2	2
44	37063	LD 445	EXL	E27	V24	---	~				3	3
45	37065	LD 445	EXL	E27	V24	---	~				5	4
46	37066	LD 445	EXL	E27	V24	---	~				6	5
47	37068	LD 445	EXL	E27	V24	---	~				8	6
48	37071	LD 445	EXL	E27	V48	---	~				1	1
49	37072	LD 445	EXL	E27	V48	---	~				2	2
50	37073	LD 445	EXL	E27	V48	---	~				3	3
51	37075	LD 445	EXL	E27	V48	---	~				5	4
52	37076	LD 445	EXL	E27	V48	---	~				6	5
53	37078	LD 445	EXL	E27	V48	---	~				8	6
54	37081	LD 445	EXL	E27	V110	~					1	1
55	37082	LD 445	EXL	E27	V110	~					2	2
56	37083	LD 445	EXL	E27	V110	~					3	3
57	37085	LD 445	EXL	E27	V110	~					5	4
58	37086	LD 445	EXL	E27	V110	~					6	5
59	37088	LD 445	EXL	E27	V110	~					8	6
60	37091	LD 445	EXL	E27	V230/240	~					1	1
61	37092	LD 445	EXL	E27	V230/240	~					2	2
62	37093	LD 445	EXL	E27	V230/240	~					3	3
63	37095	LD 445	EXL	E27	V230/240	~					5	4
64	37096	LD 445	EXL	E27	V230/240	~					6	5
65	37098	LD 445	EXL	E27	V230/240	~					8	6
37141	37142	37143	37145	37146	37148	LD 545	EXL	E27	V230/240	~	1	1
37142	37143	37144	37146	37147	37149	LD 545	EXL	E27	V230/240	~	2	2
37143	37144	37145	37147	37148	37150	LD 545	EXL	E27	V230/240	~	3	3
37145	37146	37147	37148	37149	37151	LD 545	EXL	E27	V230/240	~	5	4
37146	37147	37148	37149	37150	37152	LD 545	EXL	E27	V230/240	~	6	5
37148	37149	37150	37151	37152	37154	LD 545	EXL	E27	V230/240	~	8	6



34728	LD 605	EXL	E27	V48	---~	8
34731	LD 605	EXL	E27	V110	~	1
34732	LD 605	EXL	E27	V110	~	2
34733	LD 605	EXL	E27	V110	~	3
34735	LD 605	EXL	E27	V110	~	5
34736	LD 605	EXL	E27	V110	~	6
34738	LD 605	EXL	E27	V110	~	8
34741	LD 605	EXL	E27	V230/240	~	1
34742	LD 605	EXL	E27	V230/240	~	2
34743	LD 605	EXL	E27	V230/240	~	3
34745	LD 605	EXL	E27	V230/240	~	5
34746	LD 605	EXL	E27	V230/240	~	6
34748	LD 605	EXL	E27	V230/240	~	8



LD 605



E27

Code Kode Código	LD	Zoccolo Socket Culot Sokkel Zoccolo	V12	---~	1
34701	LD 605	EXL	E27	V12	---~
34702	LD 605	EXL	E27	V12	---~
34703	LD 605	EXL	E27	V12	---~
34705	LD 605	EXL	E27	V12	---~
34706	LD 605	EXL	E27	V12	---~
34708	LD 605	EXL	E27	V12	---~
34711	LD 605	EXL	E27	V24	---~
34712	LD 605	EXL	E27	V24	---~
34713	LD 605	EXL	E27	V24	---~
34715	LD 605	EXL	E27	V24	---~
34716	LD 605	EXL	E27	V24	---~
34718	LD 605	EXL	E27	V24	---~
34721	LD 605	EXL	E27	V48	---~
34722	LD 605	EXL	E27	V48	---~
34723	LD 605	EXL	E27	V48	---~
34725	LD 605	EXL	E27	V48	---~
34726	LD 605	EXL	E27	V48	---~



LD SO 545



E27



LD SO 905



E27

Code Code Node Código	LD	Zoccolo Socket Cubot Socket Zoccolo	V12	---~		
35453	LD SO 905EXL	E27	V12	---~		3
35463	LD SO 905EXL	E27	V24	---~		3
35493	LD SO 905EXL	E27	V230/240	~		3
						51
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						63
						64
						65



LD SO 1505



E27

Code	Code	Code	Code	Zoccolo
9	9	9	9	Socket
0	0	0	0	Culot
1	35543	LD SO 1505 EXL	E27	V230/240
2				
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0				
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LD SO 2105



E27



LD SA 835



E27

Codice Code Kode Código	LD	Zoccolo Socket Culot Soclet Zocalo	V230/240	~	2 3 5 8
35742	LD SA 835	EXL	E27	V230/240	~
35743	LD SA 835	EXL	E27	V230/240	~
35745	LD SA 835	EXL	E27	V230/240	~
35748	LD SA 835	EXL	E27	V230/240	~

Codice Code Kode Código	LD	Zoccolo Socket Culot Soclet Zocalo			
35591	LD SO 2105 EXL	E27	V230/240	~	1
35592	LD SO 2105 EXL	E27	V230/240	~	2
35593	LD SO 2105 EXL	E27	V230/240	~	3
35595	LD SO 2105 EXL	E27	V230/240	~	5
35596	LD SO 2105 EXL	E27	V230/240	~	6
35598	LD SO 2105 EXL	E27	V230/240	~	8



LD SA 1195



E27



LD SA 1395

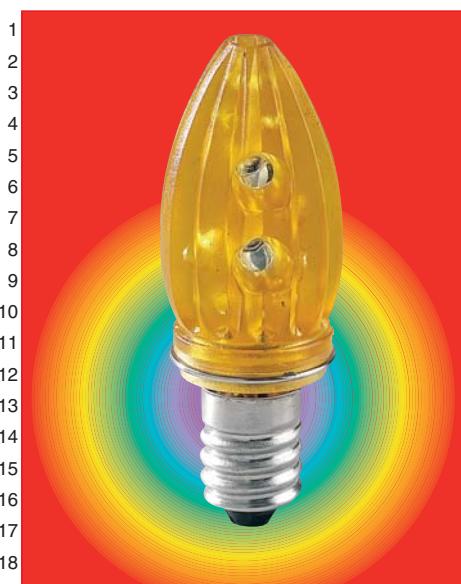


E27

43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	
Code	Code	35303	35313	35343																			
Codice	Código	LD	LD	LD																			
Zoccolo	Zoccolo	LD SA 1195 EXL	LD SA 1195 EXL	LD SA 1195 EXL																			
Sockel	Socket	E27	E27	E27																			
Culot	Couïot	V12	V24	V230/240																			
Socel	Zócalo	~	~	~																			
Zócalo	Zócalo	3	3	3																			

43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	
Code	Code	34293																					
Codice	Código	LD	LD	LD																			
Zoccolo	Zoccolo	LD SA 1395 EXL	LD SA 1395 EXL	LD SA 1395 EXL																			
Sockel	Socket	E27	E27	E27																			
Culot	Couïot	V230	~	~																			
Socel	Zócalo	3	3	3																			

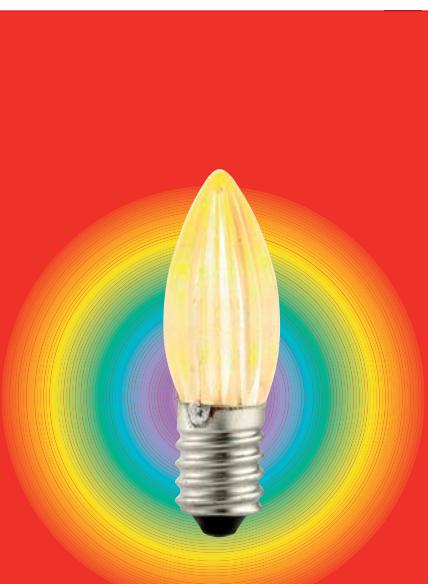
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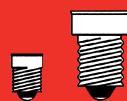
LDV 025



E14



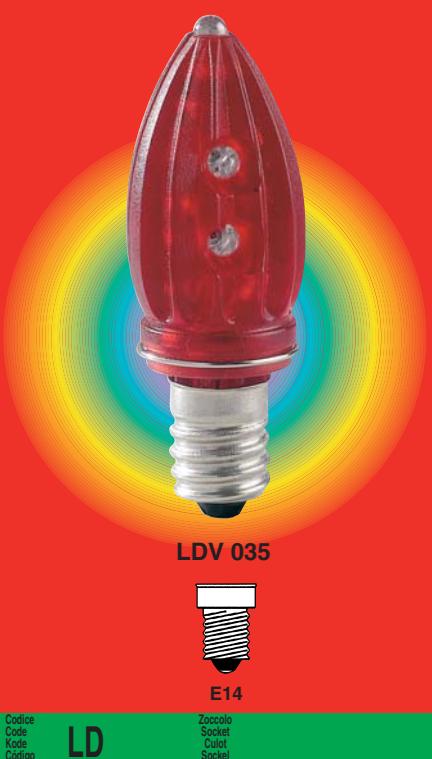
LDV 2.5



E10 E14

Codice Code Kode Código	LD	Zoccolo Socket Soket Cuello Zócalo	V24	~	● 3
37423	LDV 025 EXL	E14	V24	~	● 3
37425	LDV 025 EXL	E14	V24	~	● 5

Codice Code Kode Código	LD	Zoccolo Socket Soket Cuello Zócalo	V12	~	● 5
37965	LDV 2.5	E10	V12	~	● 5
37963	LDV 2.5 R	E10	V12	~	● 6
37966	LDV 2.5 G	E10	V12	~	● 6
37960	LDV 2.5 EXL	E10	V12	~	● 6
37975	LDV 2.5	E10	V24	~	● 5
37973	LDV 2.5 R	E10	V24	~	● 6
37976	LDV 2.5 G	E10	V24	~	● 6
37970	LDV 2.5 EXL	E10	V24	~	● 6
37985	LDV 2.5	E14	V12	~	● 5
37983	LDV 2.5 R	E14	V12	~	● 6
37986	LDV 2.5 G	E14	V12	~	● 6
37980	LDV 2.5 EXL	E14	V12	~	● 6
37995	LDV 2.5	E14	V24	~	● 5
37993	LDV 2.5 R	E14	V24	~	● 6
37996	LDV 2.5 G	E14	V24	~	● 6
37990	LDV 2.5 EXL	E14	V24	~	● 6



LDV 035



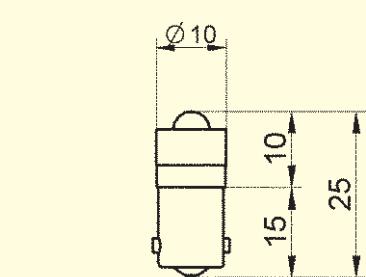
E14

Codice Code Kode Código	LD	Zoccolo Socket Soket Cuello Zócalo	V24	~	● 3
37313	LDV 035 EXL	E14	V24	~	● 3
37315	LDV 035 EXL	E14	V24	~	● 5

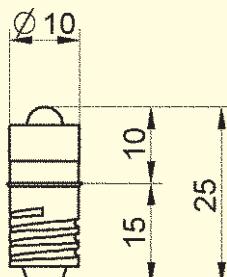
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LDE S



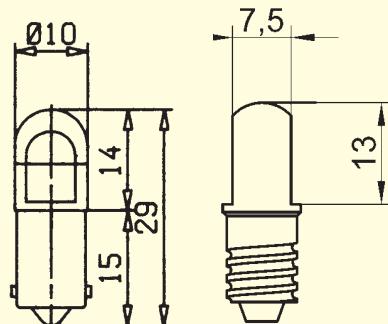
ZOCCOLO
SOCKET
CULOT
SOCKEL
ZÓCALO



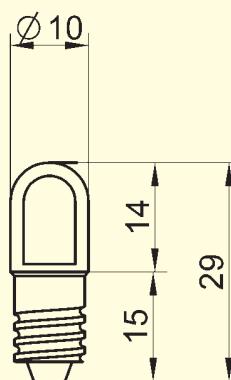
Ba 9s
gr. 2,5

E10
gr. 2,5

LD 015 F

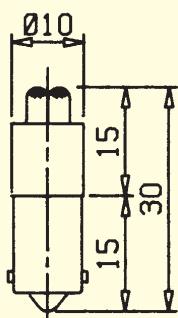


Ba 9s gr. 2,8

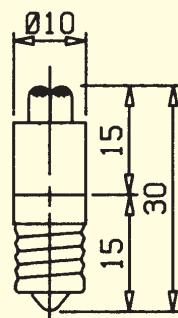


E10 gr. 2,8

LD 024 F

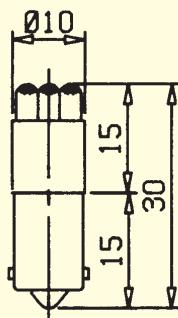


Ba 9s
gr. 3,7

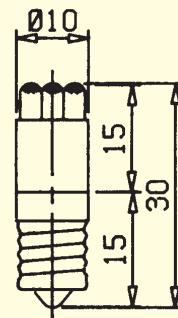


E10
gr. 3,7

LD 034 F

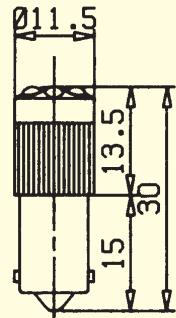


Ba 9s
gr. 3,7

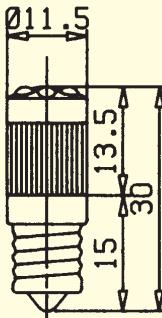


E10
gr. 3,7

LD 044 F

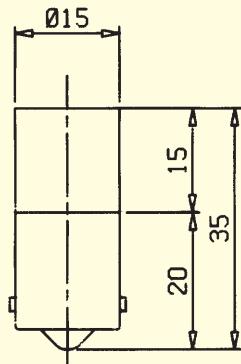


Ba 9s
gr. 3,7

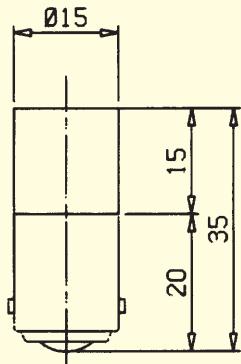


E10
gr. 3,7

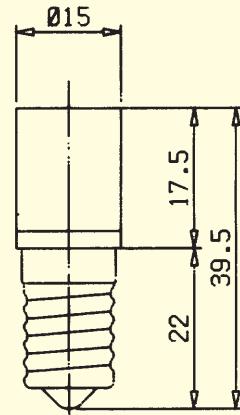
LD 063 F



Ba 15s
gr. 9,0

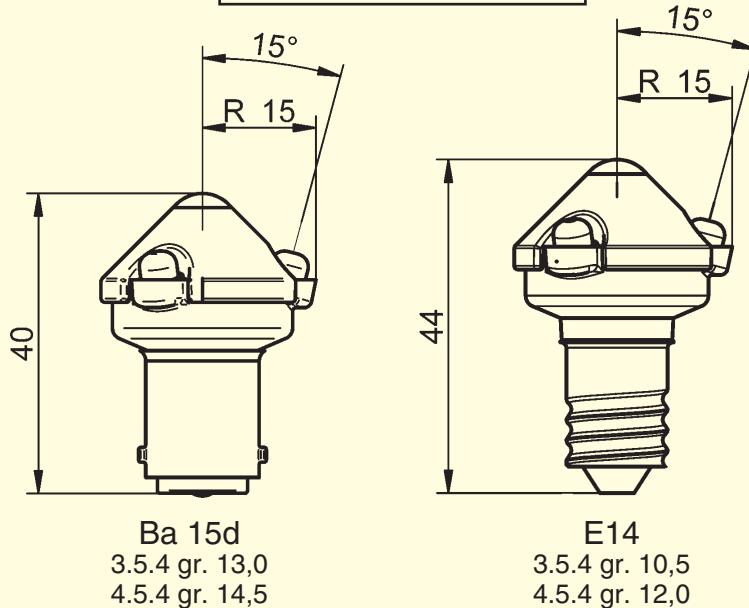


Ba 15d
gr. 9,0

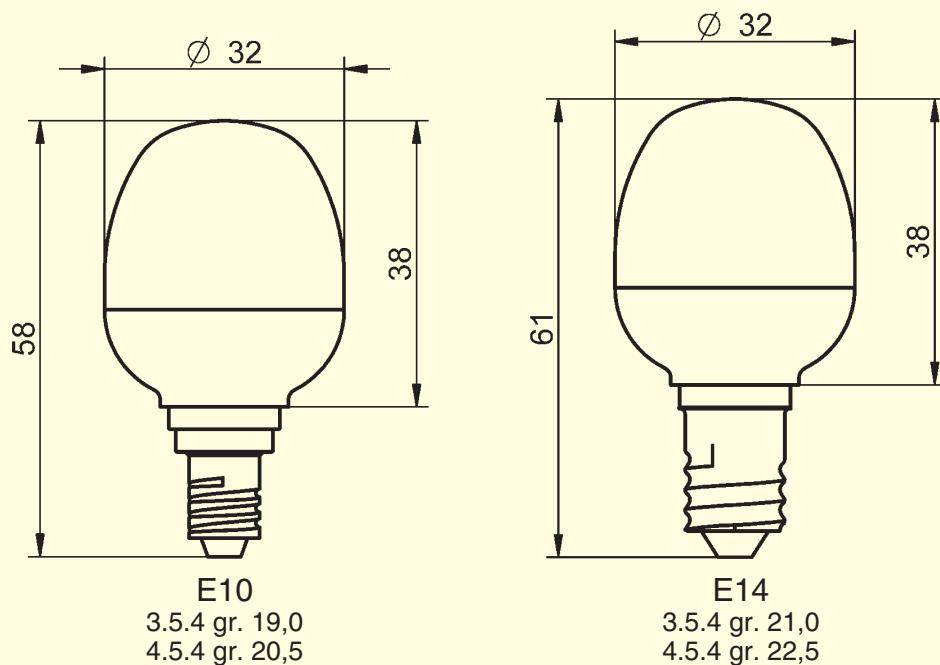
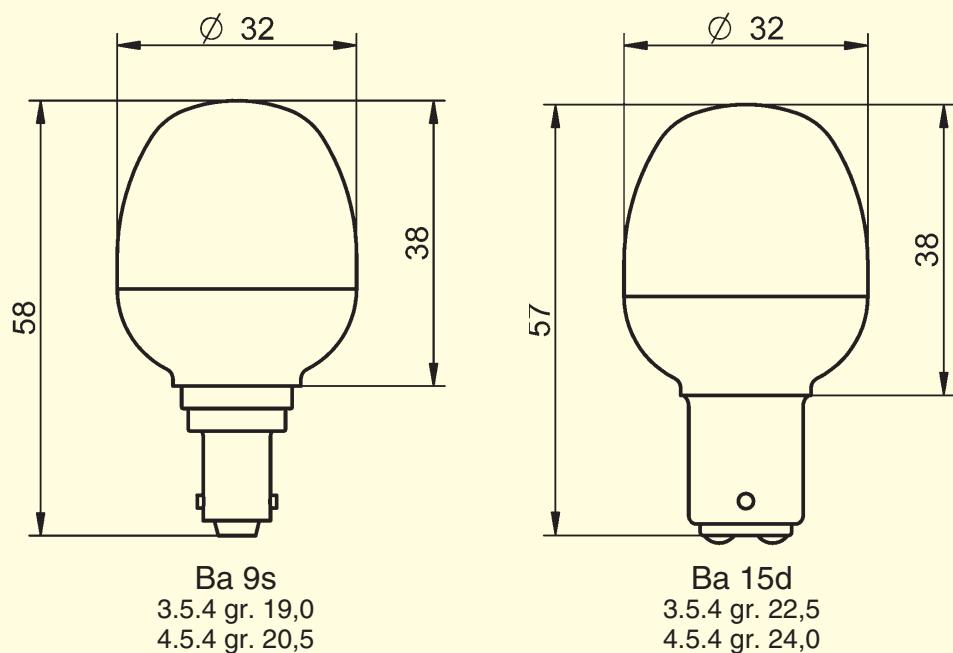


E14
gr. 9,0

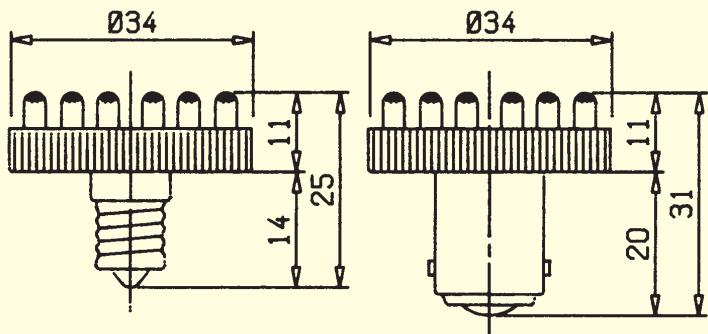
LD 3.5.4 C - LD 4.5.4 C



LD 3.5.4 SF - LD 4.5.4 SF



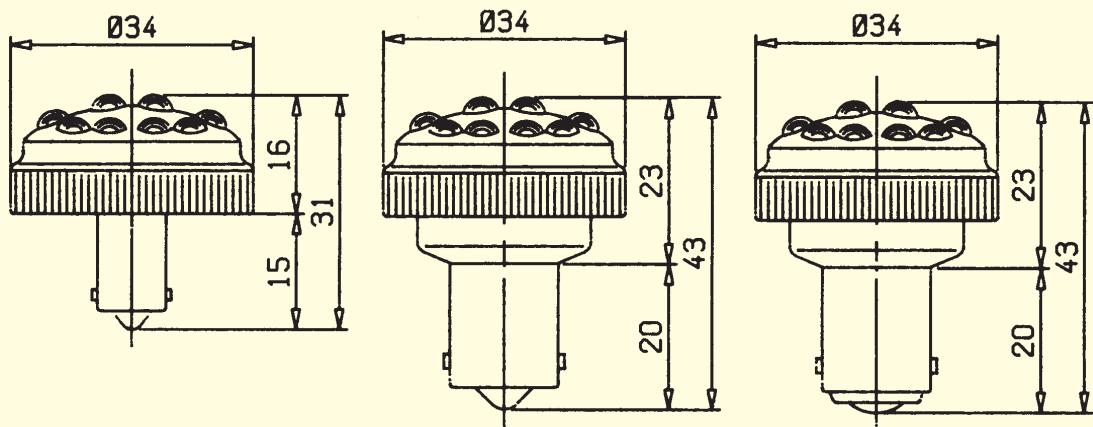
LD 143 F



E10
gr. 19,0

Ba 15d
gr. 19,0

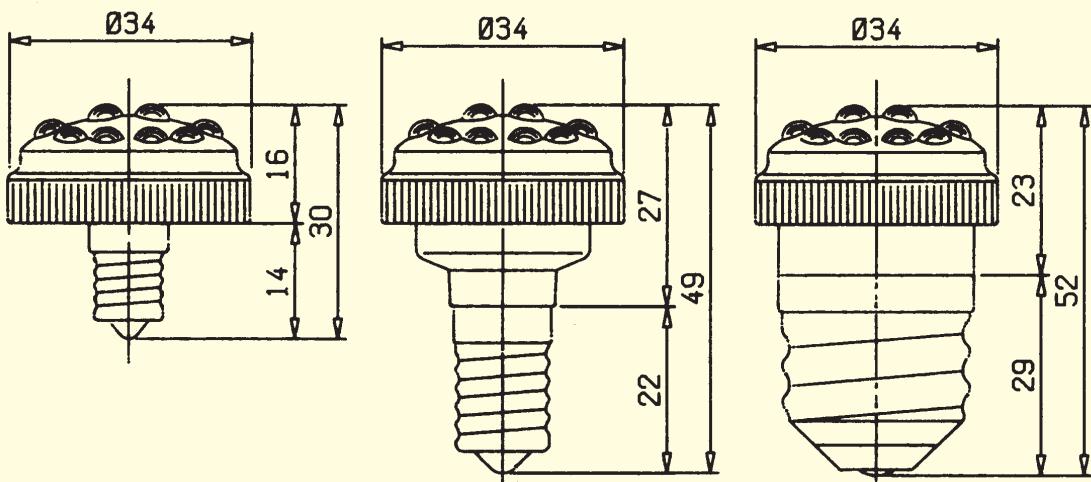
LD 145 F



Ba 9s
gr. 13,7

Ba 15s
gr. 19,2

Ba 15d
gr. 19,2

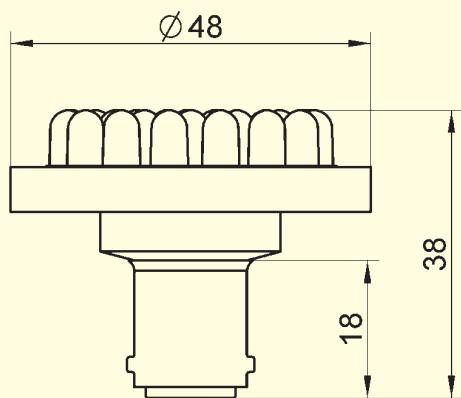


E10
gr. 13,7

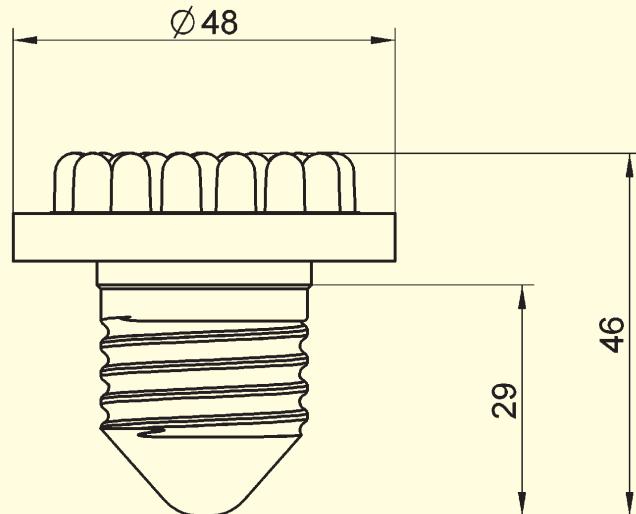
E14
gr. 19,2

E27
gr. 40,3

LD 295 F

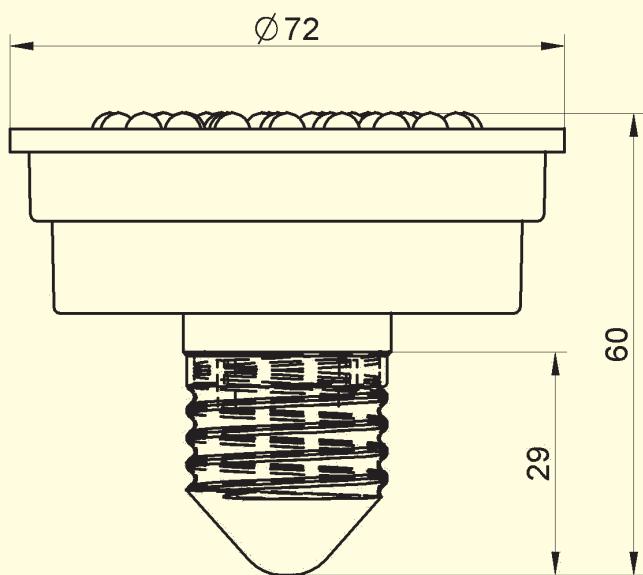


Ba 15d
gr. 33,6



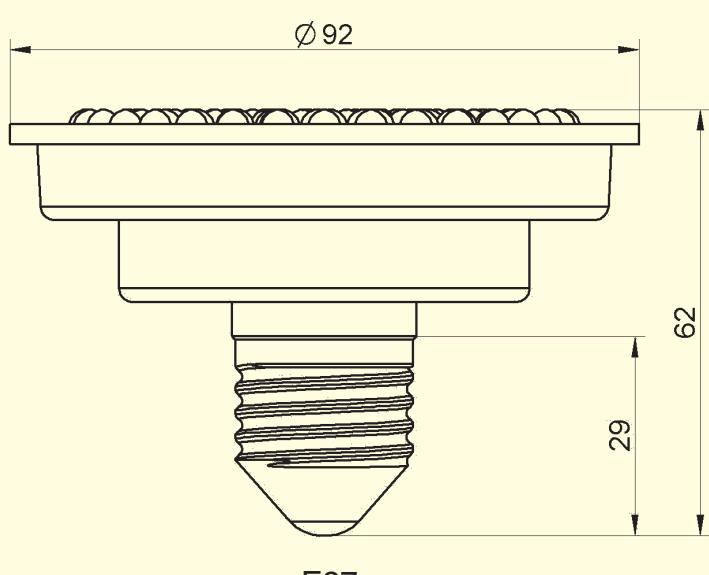
E27
gr. 42,0

LD 495 F



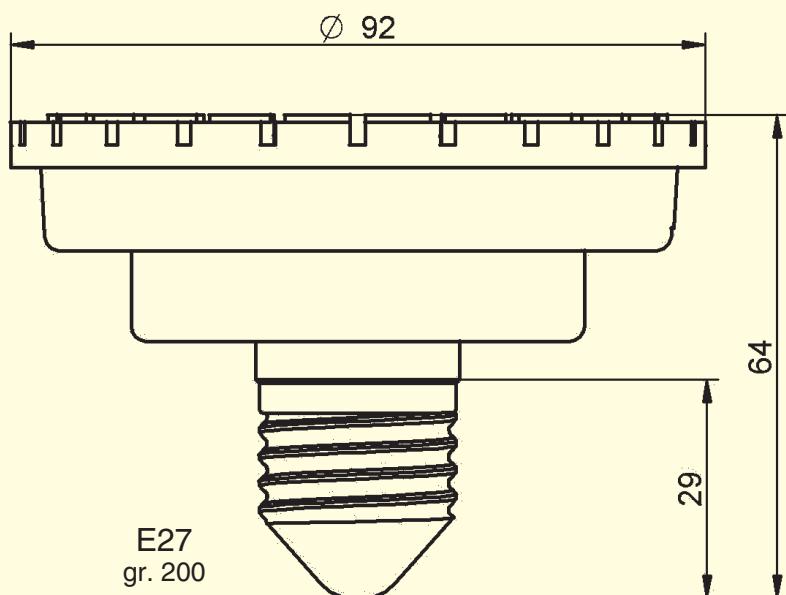
E27
gr. 83,0

LD 1085 F



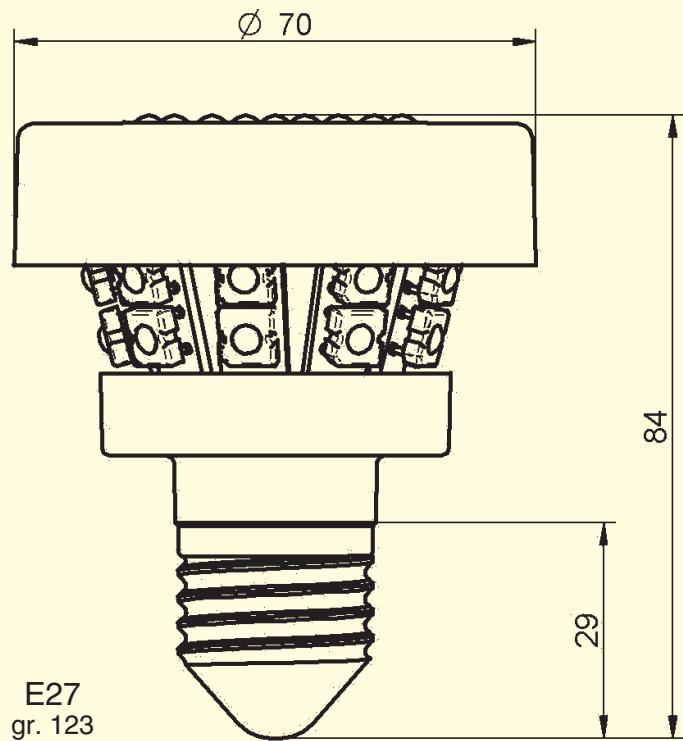
E27
gr. 184,0

LD 37Q F

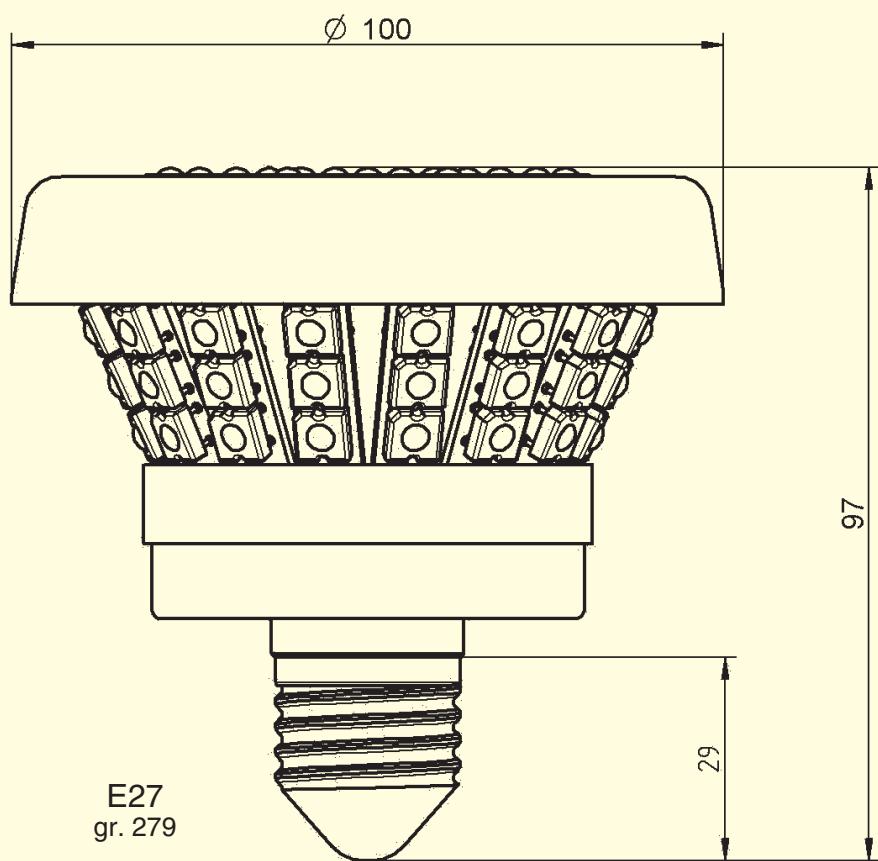


E27
gr. 200

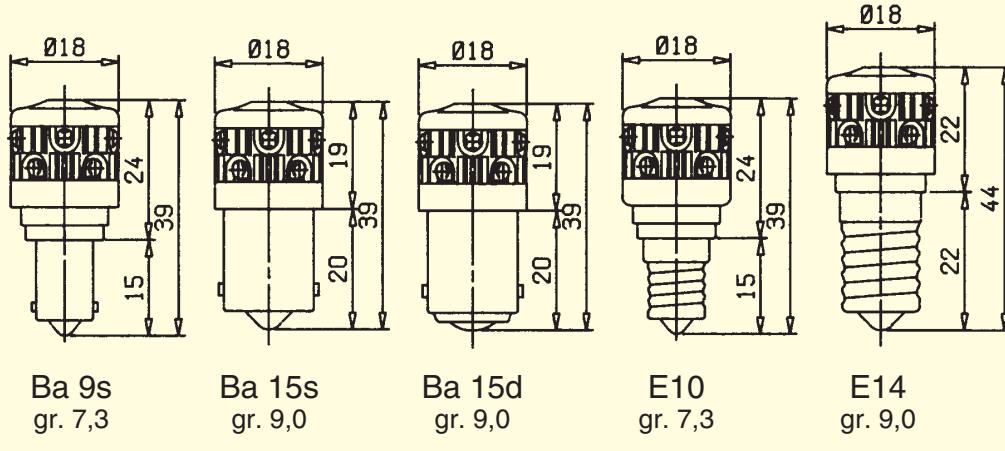
LD 51Q F



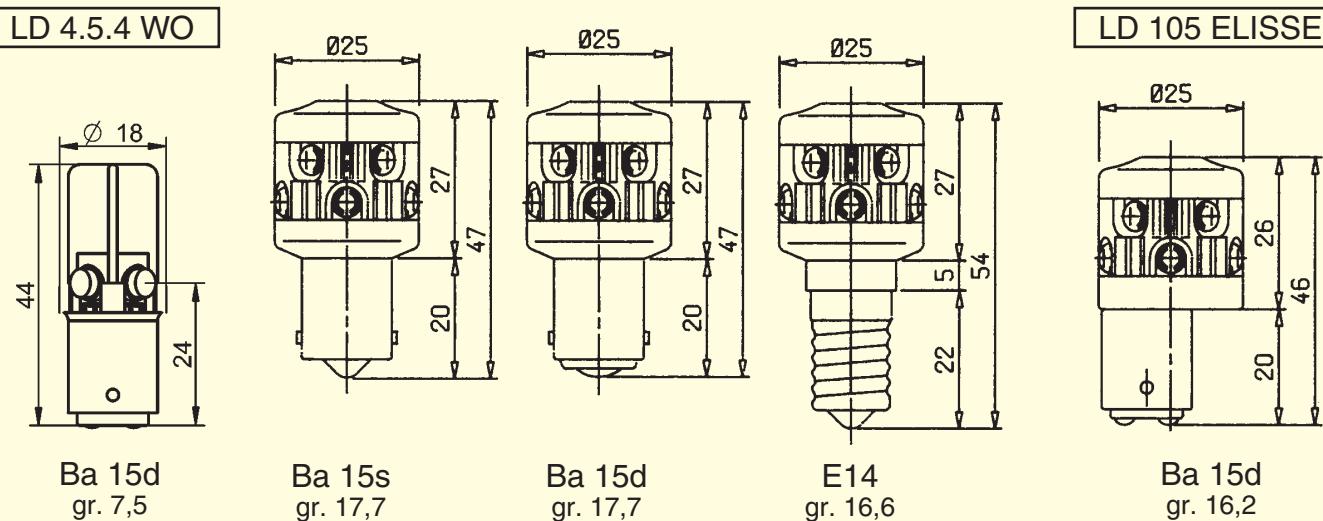
LD 100Q F



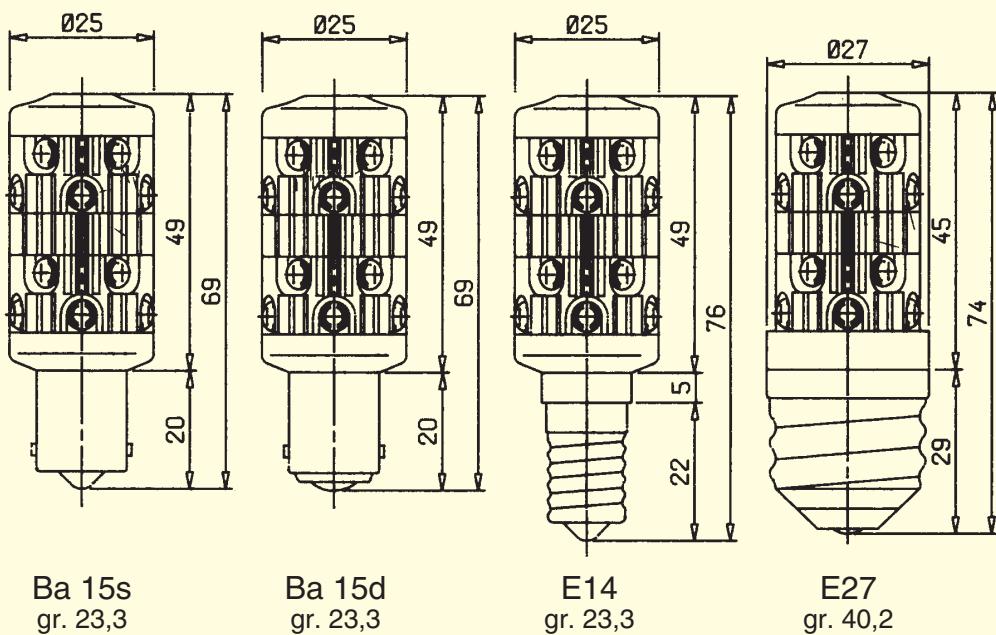
LD 103 - LD 113



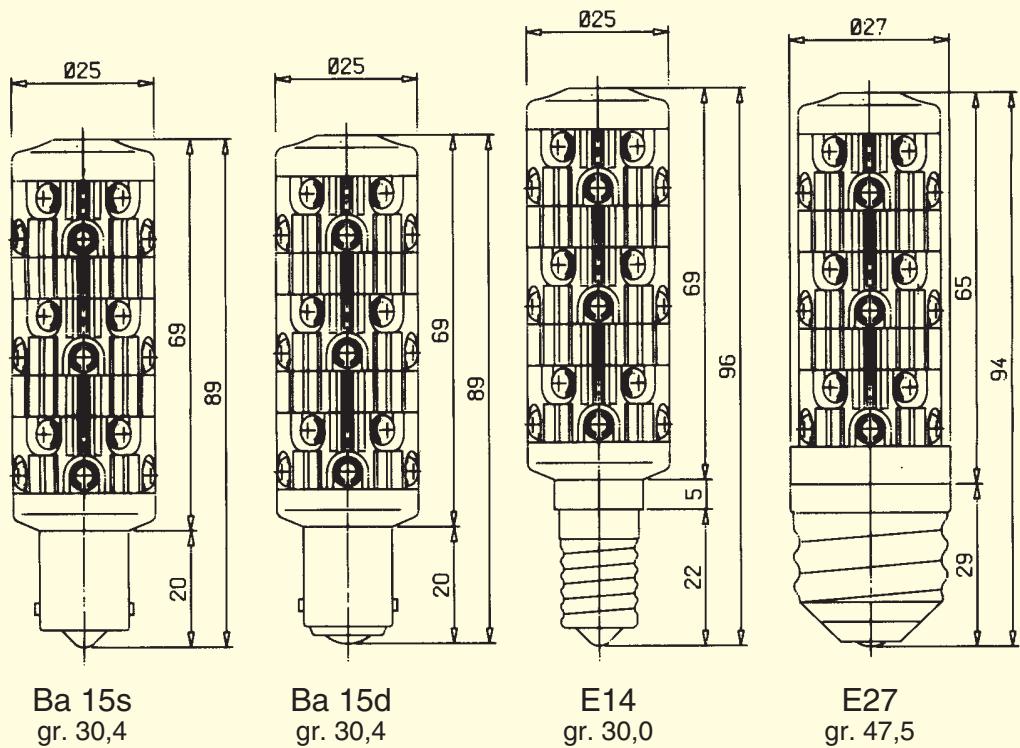
LD 105 - LD 115



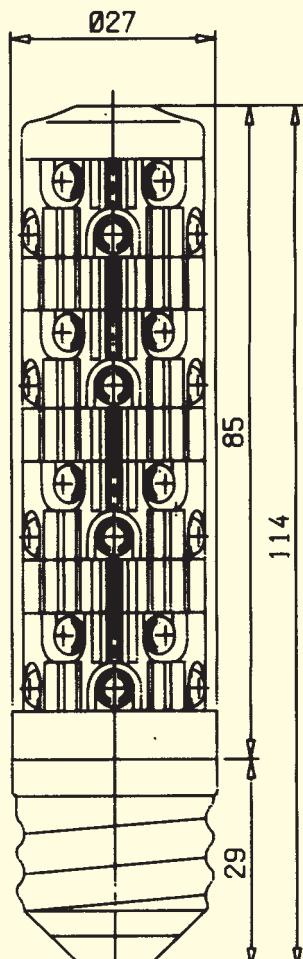
LD 205



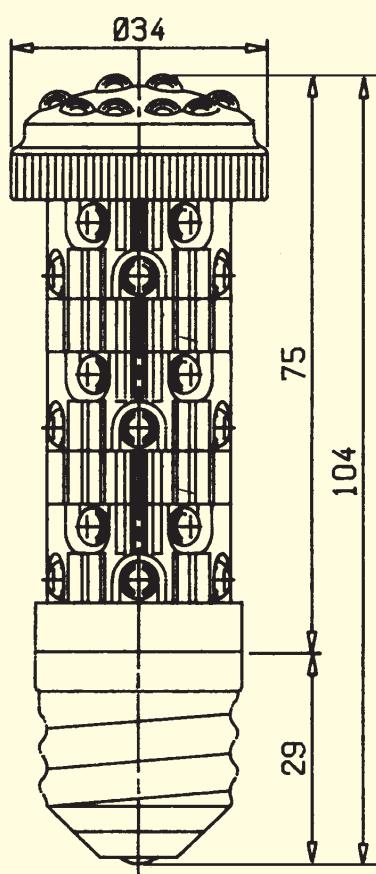
LD 305



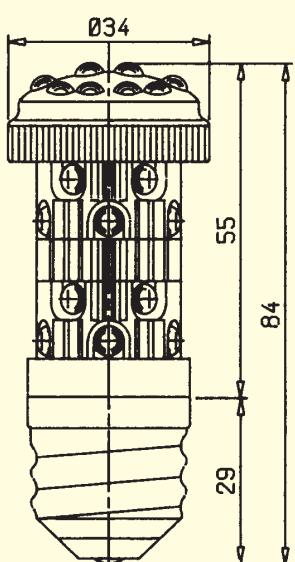
LD 405



LD 445



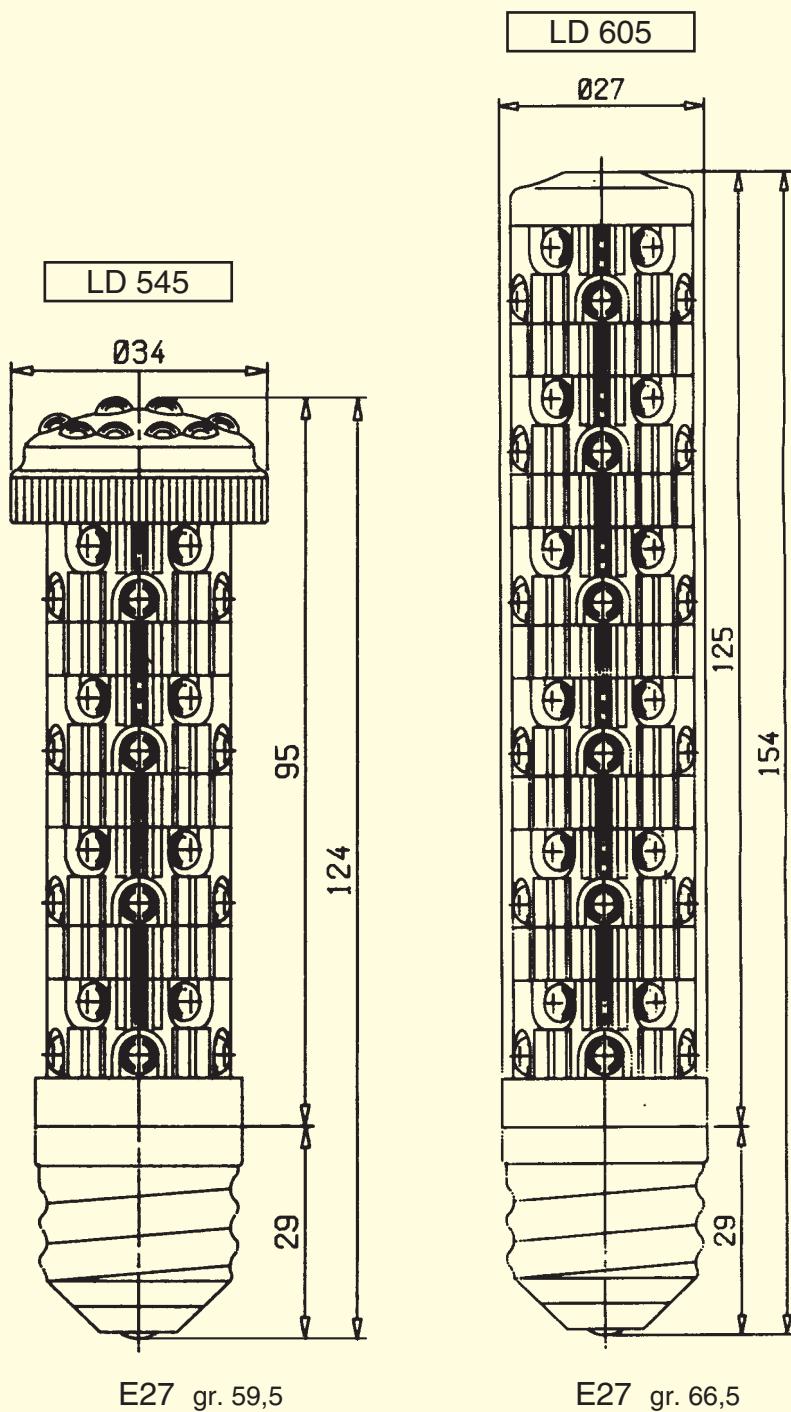
LD 345



E27
gr. 49,5

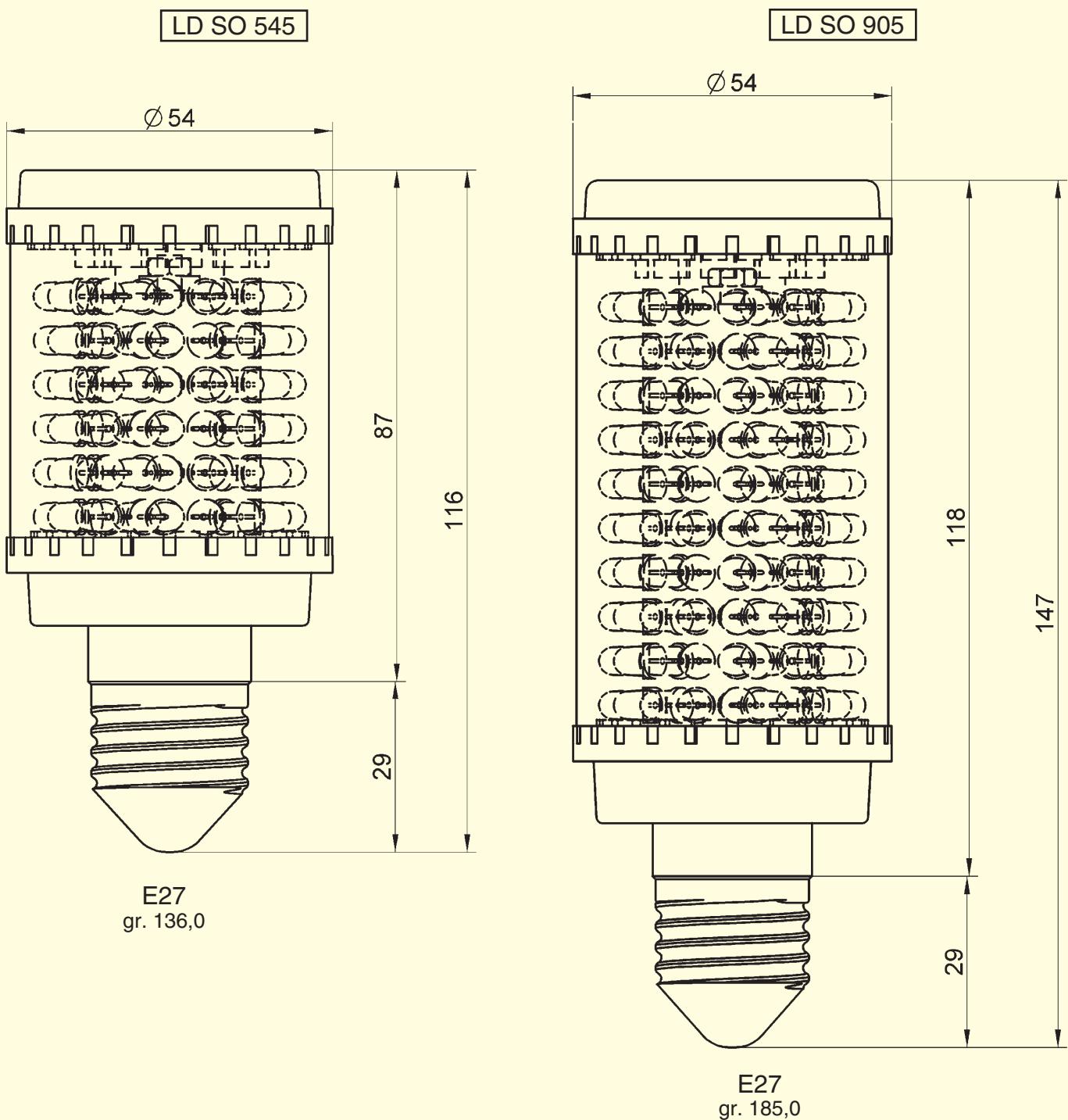
E27
gr. 55,6

E27
gr. 54,7

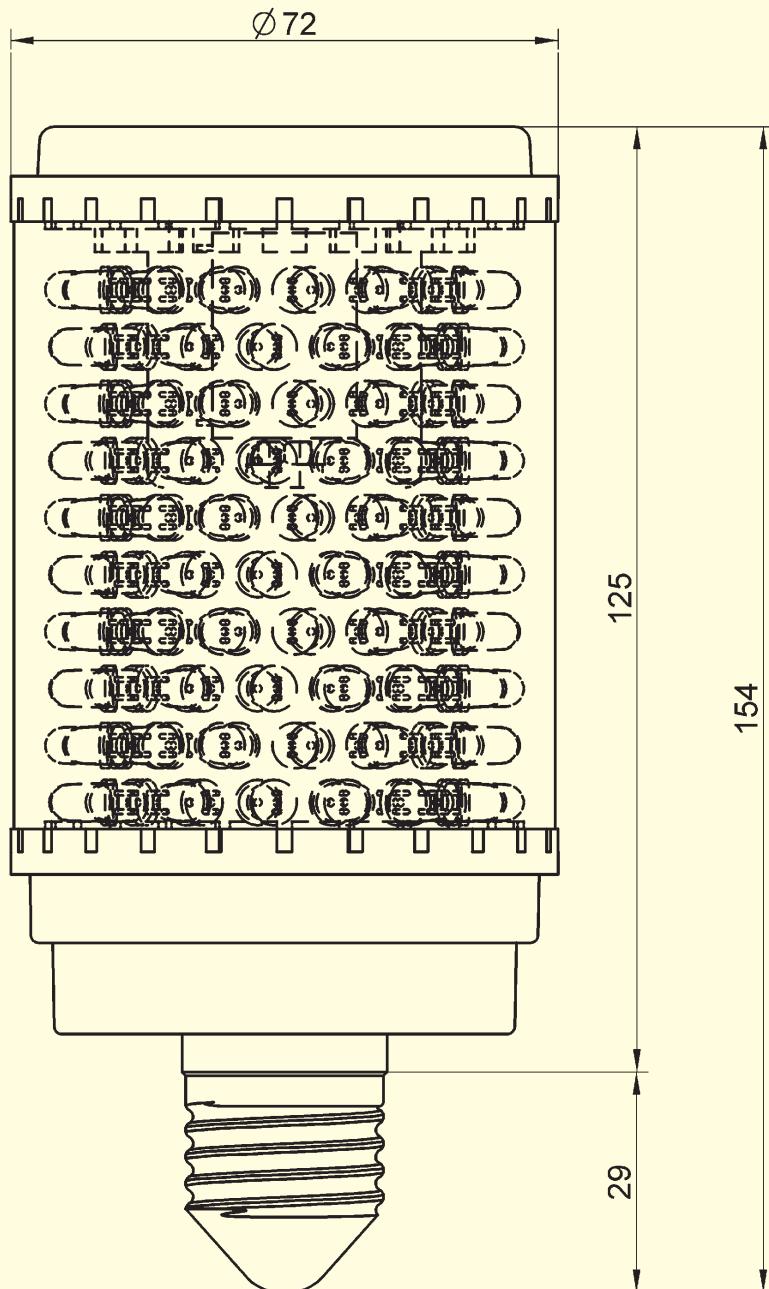


E27 gr. 59,5

E27 gr. 66,5

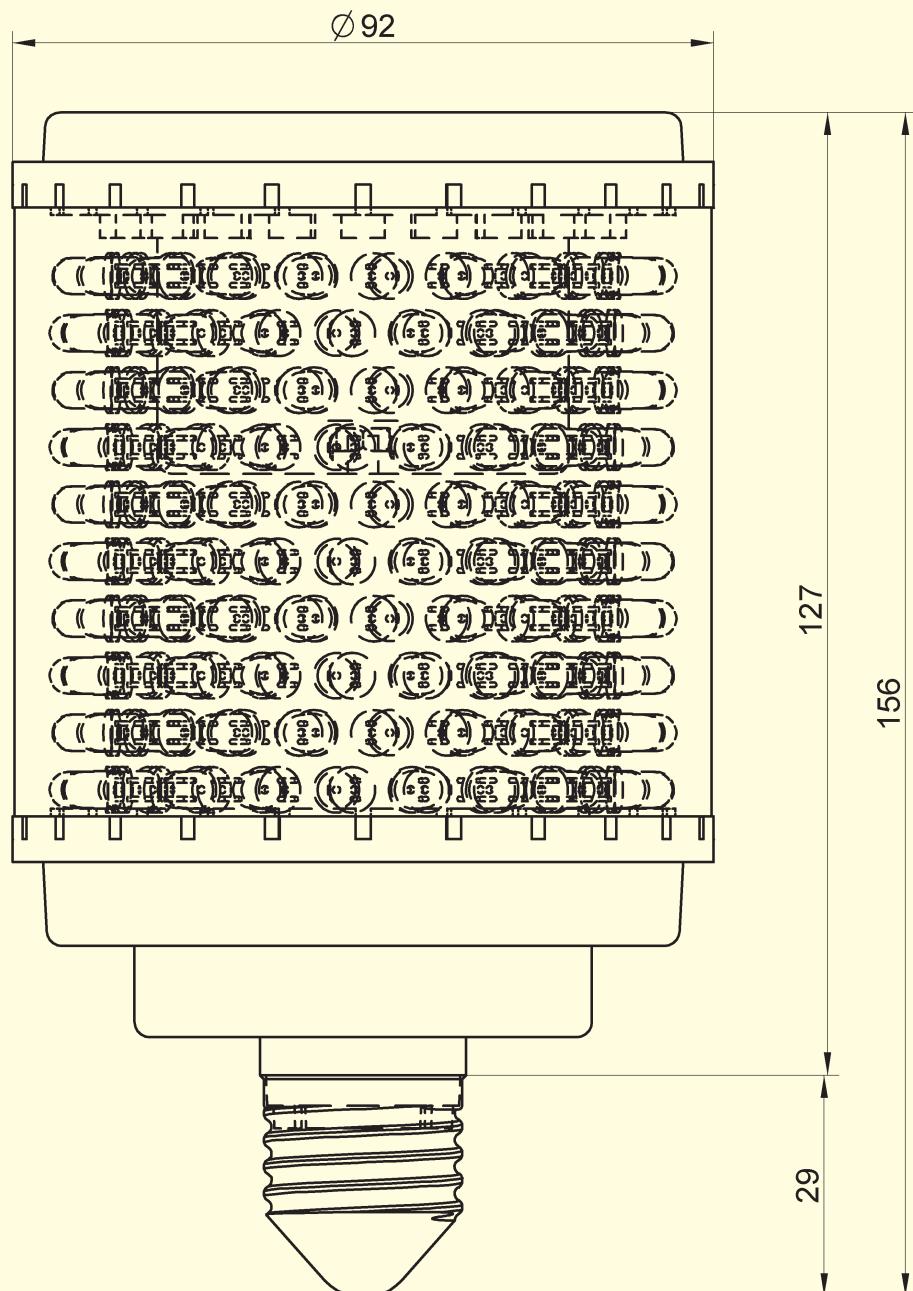


LD SO 1505



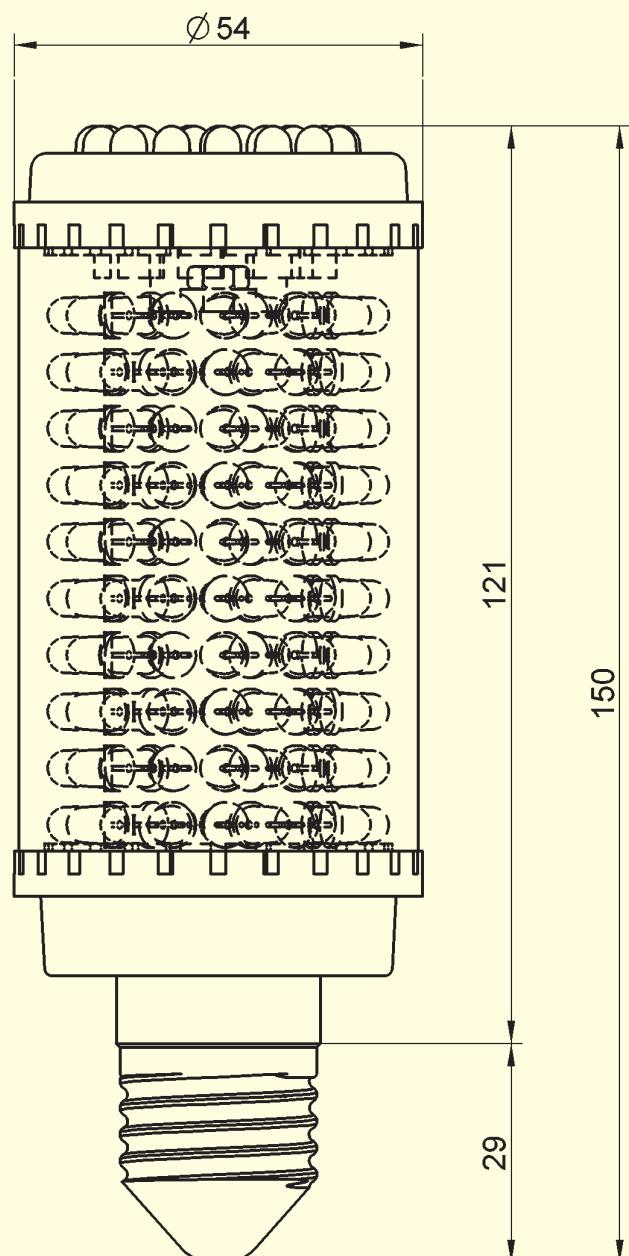
**E27
gr. 390,0**

LD SO 2105

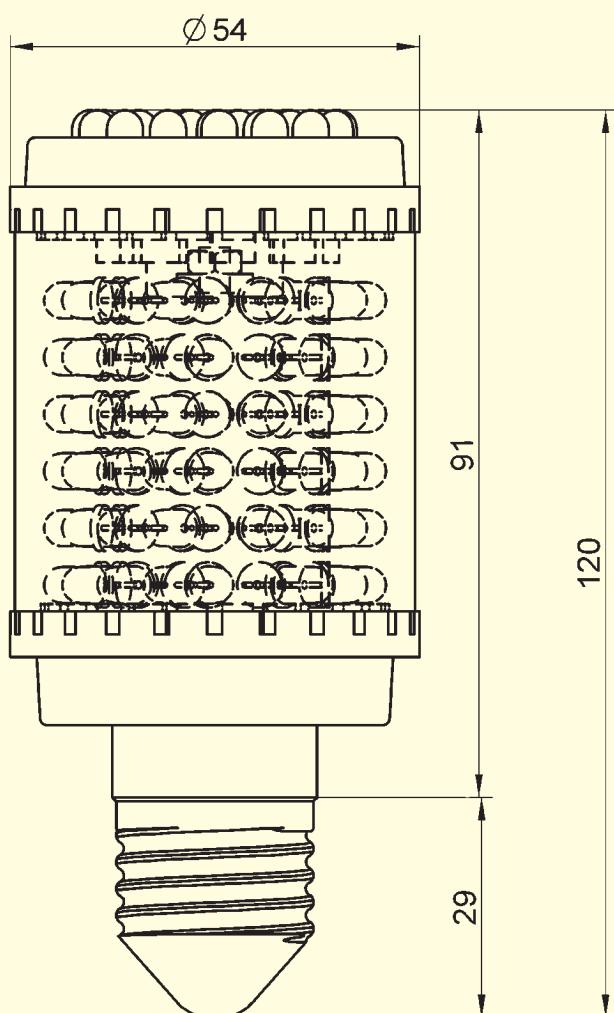


E27
gr. 525,0

LD SA 1195

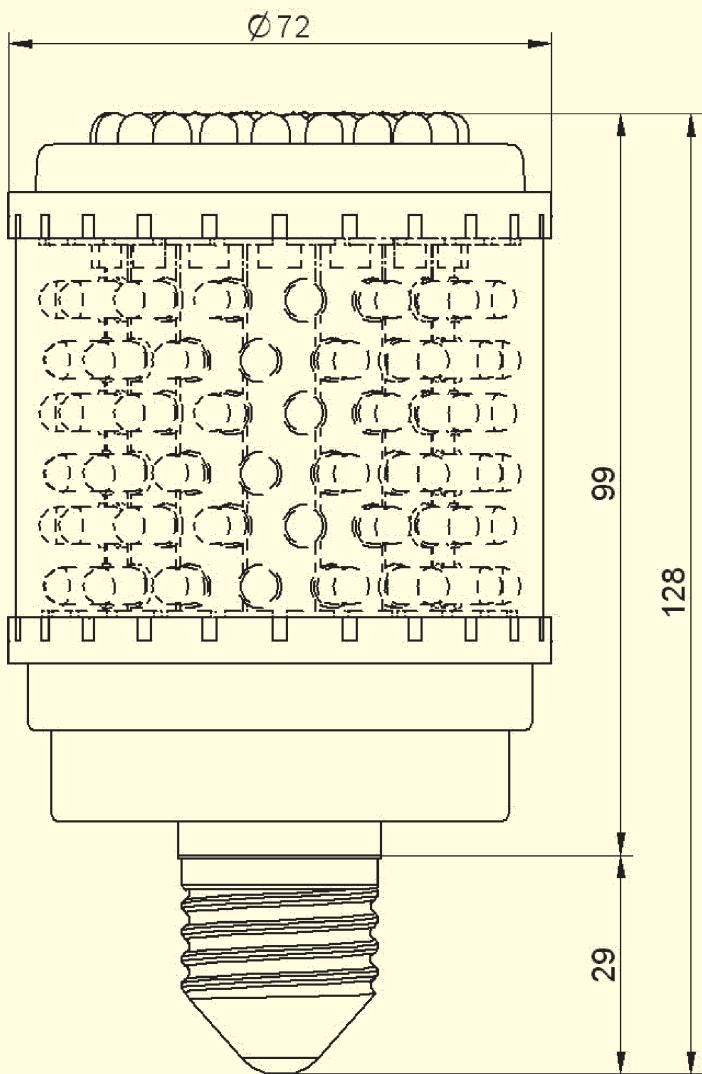


LD SA 835

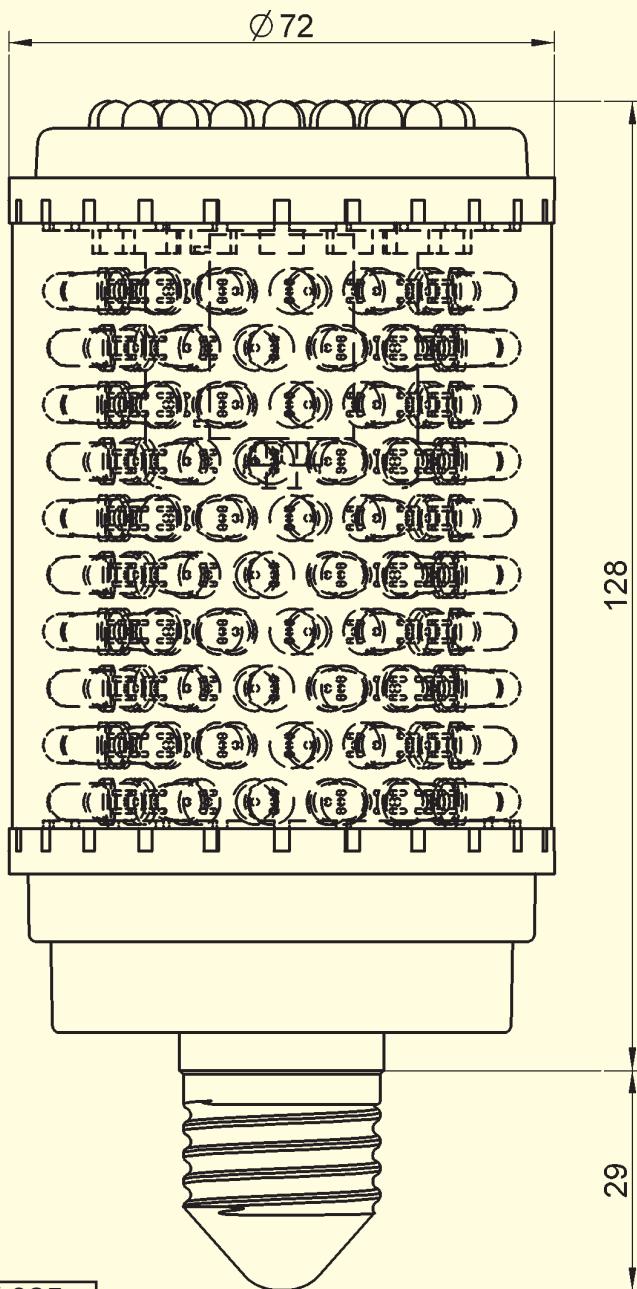


E27
gr. 175,7

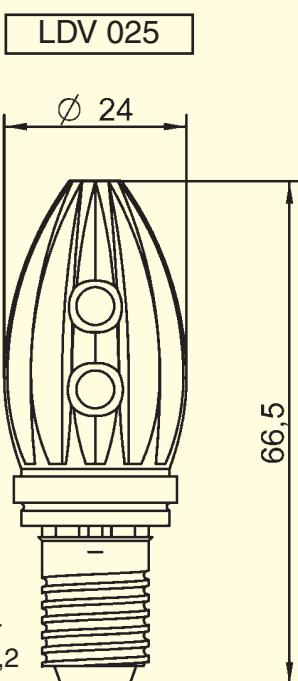
LD SA 1395



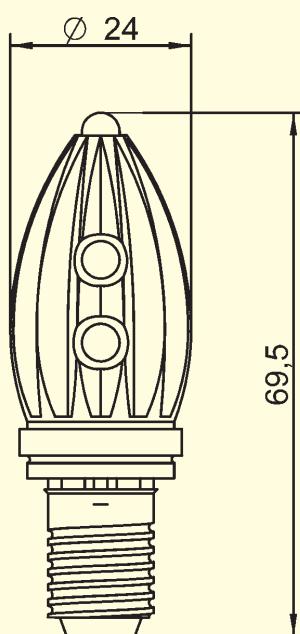
LD SA 1995



E27
gr. 398



LDV 035



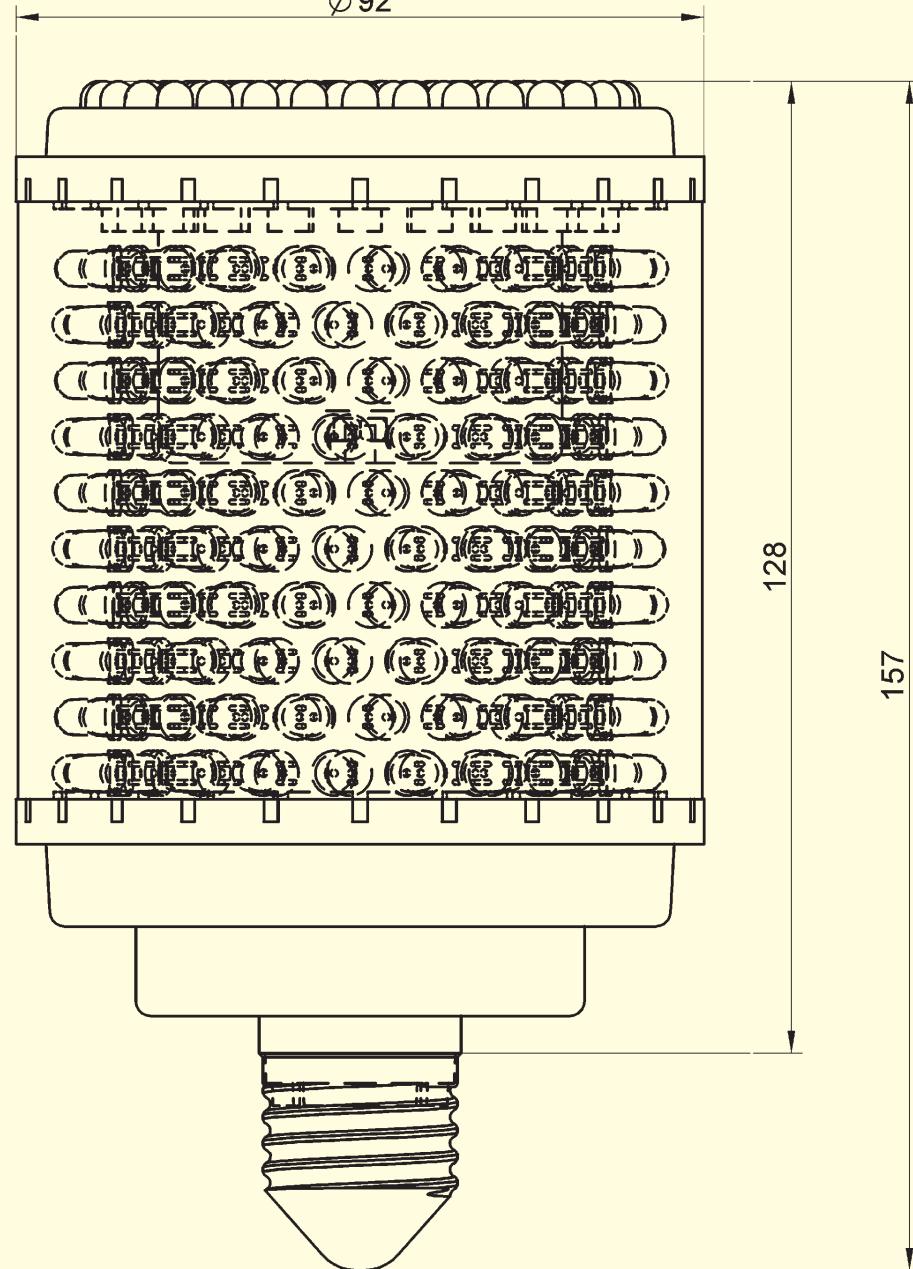
E27
gr. 430,2

E14
gr. 18,2

E14
gr. 18,3

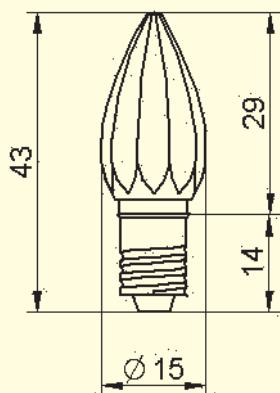
LD SA 3185

Ø 92

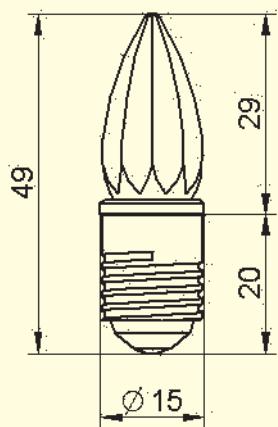


E27
gr. 642,0

LDV 2.5



E10
gr. 12,0



E14
gr. 15,0

LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA			
LDE S	●	3	6	22	LD 015F	●	8	230	18	LD 044F	●	8	110	17
LDE S	●	3	12	17	LD 015F	●	1	6	20	LD 044F	●	8	230	18
LDE S	●	3	24	14	LD 015F	●	1	12	20	LD 044F	●	1	12	24
LDE S	●	3	48	15	LD 015F	●	1	24	20	LD 044F	●	1	24	17
LDE S	●	3	110	5	LD 015F	●	1	48	17	LD 044F	●	1	48	17
LDE S	●	3	230	4,5	LD 015F	●	1	110	17	LD 044F	●	1	110	17
LDE S	●	5	6	22	LD 015F	●	1	230	18	LD 044F	●	1	230	18
LDE S	●	5	12	17	LD 024F	●	3	12	25	LD 063 F	●	3	24	16
LDE S	●	5	24	14	LD 024F	●	3	24	18	LD 063 F	●	3	48	17
LDE S	●	5	48	15	LD 024F	●	3	48	18	LD 063 F	●	3	110	18
LDE S	●	5	110	5	LD 024F	●	3	110	15	LD 063 F	●	3	230	18
LDE S	●	5	230	4,5	LD 024F	●	3	230	16	LD 063 F	●	5	24	16
LDE S	●	2	6	22	LD 024F	●	5	12	25	LD 063 F	●	5	48	17
LDE S	●	2	12	17	LD 024F	●	5	24	18	LD 063 F	●	5	110	18
LDE S	●	2	24	14	LD 024F	●	5	48	18	LD 063 F	●	5	230	18
LDE S	●	2	48	15	LD 024F	●	5	110	15	LD 063 F	●	6	24	16
LDE S	●	2	110	5	LD 024F	●	5	230	16	LD 063 F	●	6	48	17
LDE S	●	2	230	4,5	LD 024F	●	6	12	22	LD 063 F	●	6	110	18
LDE S	●	6	6	17	LD 024F	●	6	24	14	LD 063 F	●	6	230	18
LDE S	●	6	12	15	LD 024F	●	6	48	15	LD 063 F	●	8	24	16
LDE S	●	6	24	14	LD 024F	●	6	110	15	LD 063 F	●	8	48	17
LDE S	●	6	48	15	LD 024F	●	6	230	16	LD 063 F	●	8	110	18
LDE S	●	6	110	5	LD 024F	●	1	12	22	LD 063 F	●	8	230	18
LDE S	●	6	230	4,5	LD 024F	●	1	24	14	LD 063 F	●	1	24	16
LDE S	●	8	6	17	LD 024F	●	1	48	15	LD 063 F	●	1	48	17
LDE S	●	8	12	15	LD 024F	●	1	110	15	LD 063 F	●	1	110	18
LDE S	●	8	24	14	LD 024F	●	1	230	16	LD 063 F	●	1	230	18
LDE S	●	8	48	15	LD 034F	●	3	12	26	LD 3.5.4 C	●	3	12	50
LDE S	●	8	110	5	LD 034F	●	3	24	19	LD 3.5.4 C	●	3	24	40
LDE S	●	8	230	4,5	LD 034F	●	3	48	19	LD 3.5.4 C	●	3	110	45
LDE S	●	1	6	17	LD 034F	●	3	110	16	LD 3.5.4 C	●	3	230	50
LDE S	●	1	12	15	LD 034F	●	3	230	17	LD 3.5.4 C	●	2	12	50
LDE S	●	1	24	14	LD 034F	●	5	12	26	LD 3.5.4 C	●	2	24	40
LDE S	●	1	48	15	LD 034F	●	5	24	19	LD 3.5.4 C	●	2	110	45
LDE S	●	1	110	5	LD 034F	●	5	48	19	LD 3.5.4 C	●	2	230	50
LDE S	●	1	230	4,5	LD 034F	●	5	110	16	LD 3.5.4 C	●	6	12	60
LD 015F	●	3	6	20	LD 034F	●	5	230	17	LD 3.5.4 C	●	6	24	40
LD 015F	●	3	12	21	LD 034F	●	6	12	23	LD 3.5.4 C	●	6	110	45
LD 015F	●	3	24	21	LD 034F	●	6	24	15	LD 3.5.4 C	●	6	230	50
LD 015F	●	3	48	21	LD 034F	●	6	48	16	LD 3.5.4 C	●	4	12	55
LD 015F	●	3	110	17	LD 034F	●	6	110	16	LD 3.5.4 C	●	4	24	40
LD 015F	●	3	230	18	LD 034F	●	6	230	17	LD 3.5.4 C	●	4	110	45
LD 015F	●	5	6	20	LD 034F	●	1	12	23	LD 3.5.4 C	●	4	230	50
LD 015F	●	5	12	21	LD 034F	●	1	24	16	LD 3.5.4 C	●	1	12	90
LD 015F	●	5	24	21	LD 034F	●	1	48	16	LD 3.5.4 C	●	1	24	55
LD 015F	●	5	48	21	LD 034F	●	1	110	16	LD 3.5.4 C	●	1	110	60
LD 015F	●	5	110	17	LD 034F	●	1	230	17	LD 3.5.4 C	●	1	230	70
LD 015F	●	5	230	18	LD 044F	●	3	12	27	LD 4.5.4 C	●	3	12	90
LD 015F	●	2	6	20	LD 044F	●	3	24	20	LD 4.5.4 C	●	3	24	45
LD 015F	●	2	12	21	LD 044F	●	3	48	20	LD 4.5.4 C	●	3	110	45
LD 015F	●	2	24	21	LD 044F	●	3	110	17	LD 4.5.4 C	●	3	230	50
LD 015F	●	2	48	21	LD 044F	●	3	230	18	LD 4.5.4 C	●	2	12	85
LD 015F	●	2	110	17	LD 044F	●	5	12	27	LD 4.5.4 C	●	2	24	45
LD 015F	●	2	230	18	LD 044F	●	5	24	20	LD 4.5.4 C	●	2	110	40
LD 015F	●	6	6	24	LD 044F	●	5	48	20	LD 4.5.4 C	●	2	230	50
LD 015F	●	6	12	24	LD 044F	●	5	110	17	LD 4.5.4 C	●	6	12	90
LD 015F	●	6	24	20	LD 044F	●	5	230	18	LD 4.5.4 C	●	6	24	50
LD 015F	●	6	48	17	LD 044F	●	6	12	24	LD 4.5.4 C	●	6	110	45
LD 015F	●	6	110	17	LD 044F	●	6	24	17	LD 4.5.4 C	●	6	230	55
LD 015F	●	6	230	18	LD 044F	●	6	48	17	LD 4.5.4 C	●	6	12	90
LD 015F	●	8	6	20	LD 044F	●	6	110	17	LD 4.5.4 C	●	4	24	45
LD 015F	●	8	12	20	LD 044F	●	6	230	18	LD 4.5.4 C	●	4	110	45
LD 015F	●	8	24	20	LD 044F	●	8	12	24	LD 4.5.4 C	●	4	230	50
LD 015F	●	8	48	17	LD 044F	●	8	24	16	LD 4.5.4 C	●	1	12	125
LD 015F	●	8	110	17	LD 044F	●	8	48	17	LD 4.5.4 C	●	1	24	65

LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA			
LD 4.5.4 C	●●	1	110	60	LD 143 F	●●	8	110	20	LD 495 F	●●	5	24	230
LD 4.5.4 C	●●	1	230	70	LD 143 F	●●	8	230	16	LD 495 F	●●	5	230	25
LD 3.5.4 SF	●●	3	12	50	LD 143 F	●●	1	12	82	LD 495 F	●●	2	12	280
LD 3.5.4 SF	●●	3	24	40	LD 143 F	●●	1	24	35	LD 495 F	●●	2	24	230
LD 3.5.4 SF	●●	3	110	45	LD 143 F	●●	1	48	21	LD 495 F	●●	2	230	25
LD 3.5.4 SF	●●	3	230	50	LD 143 F	●●	1	110	20	LD 495 F	●●	6	12	270
LD 3.5.4 SF	●●	2	12	50	LD 143 F	●●	1	230	16	LD 495 F	●●	6	24	190
LD 3.5.4 SF	●●	2	24	40	LD 145 F	●●	3	12	80	LD 495 F	●●	6	230	20
LD 3.5.4 SF	●●	2	110	45	LD 145 F	●●	3	24	42	LD 495 F	●●	8	12	270
LD 3.5.4 SF	●●	2	230	50	LD 145 F	●●	3	48	32	LD 495 F	●●	8	24	190
LD 3.5.4 SF	●●	6	12	60	LD 145 F	●●	3	110	18	LD 495 F	●●	8	230	20
LD 3.5.4 SF	●●	6	24	40	LD 145 F	●●	3	230	17	LD 495 F	●●	1	12	270
LD 3.5.4 SF	●●	6	110	45	LD 145 F	●●	5	12	80	LD 495 F	●●	1	24	190
LD 3.5.4 SF	●●	6	230	50	LD 145 F	●●	5	24	40	LD 495 F	●●	1	230	20
LD 3.5.4 SF	●●	4	12	55	LD 145 F	●●	5	48	32	LD 1085 F	●●	3	24	380
LD 3.5.4 SF	●●	4	24	40	LD 145 F	●●	5	110	18	LD 1085 F	●●	3	230	50
LD 3.5.4 SF	●●	4	110	45	LD 145 F	●●	5	230	17	LD 1085 F	●●	5	24	380
LD 3.5.4 SF	●●	4	230	50	LD 145 F	●●	5	12	80	LD 1085 F	●●	5	230	50
LD 3.5.4 SF	●●	1	12	90	LD 145 F	●●	2	24	42	LD 1085 F	●●	2	24	380
LD 3.5.4 SF	●●	1	24	55	LD 145 F	●●	2	48	32	LD 1085 F	●●	2	230	50
LD 3.5.4 SF	●●	1	110	60	LD 145 F	●●	2	110	18	LD 1085 F	●●	6	24	320
LD 3.5.4 SF	●●	1	230	70	LD 145 F	●●	2	230	17	LD 1085 F	●●	6	230	35
LD 4.5.4 SF	●●	3	12	90	LD 145 F	●●	6	12	82	LD 1085 F	●●	8	24	320
LD 4.5.4 SF	●●	3	24	45	LD 145 F	●●	6	24	35	LD 1085 F	●●	8	230	35
LD 4.5.4 SF	●●	3	110	45	LD 145 F	●●	6	48	21	LD 1085 F	●●	1	24	320
LD 4.5.4 SF	●●	3	230	50	LD 145 F	●●	6	110	20	LD 1085 F	●●	1	230	35
LD 4.5.4 SF	●●	2	12	85	LD 145 F	●●	6	230	16	LD 37Q F	●●	3	230	60
LD 4.5.4 SF	●●	2	24	45	LD 145 F	●●	8	12	82	LD 37Q F	●●	2	230	55
LD 4.5.4 SF	●●	2	110	40	LD 145 F	●●	8	24	35	LD 37Q F	●●	8	230	60
LD 4.5.4 SF	●●	2	230	50	LD 145 F	●●	8	48	21	LD 51Q F	●●	3	230	45
LD 4.5.4 SF	●●	6	12	90	LD 145 F	●●	8	110	20	LD 51Q F	●●	2	230	45
LD 4.5.4 SF	●●	6	24	50	LD 145 F	●●	8	230	16	LD 51Q F	●●	8	230	40
LD 4.5.4 SF	●●	6	110	45	LD 145 F	●●	1	12	82	LD 100Q F	●●	3	230	110
LD 4.5.4 SF	●●	6	230	55	LD 145 F	●●	1	24	35	LD 100Q F	●●	2	230	105
LD 4.5.4 SF	●●	4	12	90	LD 145 F	●●	1	48	21	LD 100Q F	●●	8	230	80
LD 4.5.4 SF	●●	4	24	45	LD 145 F	●●	1	110	20	LD 103	●●	3	12	82
LD 4.5.4 SF	●●	4	110	45	LD 145 F	●●	1	230	16	LD 103	●●	3	24	43
LD 4.5.4 SF	●●	4	230	50	LD 295 F	●●	3	24	85	LD 103	●●	3	48	18
LD 4.5.4 SF	●●	1	12	125	LD 295 F	●●	3	48	65	LD 103	●●	3	110	16
LD 4.5.4 SF	●●	1	24	65	LD 295 F	●●	3	110	40	LD 103	●●	3	230	17
LD 4.5.4 SF	●●	1	110	60	LD 295 F	●●	3	230	35	LD 103	●●	5	12	82
LD 4.5.4 SF	●●	1	230	70	LD 295 F	●●	5	24	85	LD 103	●●	5	24	43
LD 143 F	●●	3	12	80	LD 295 F	●●	5	48	65	LD 103	●●	5	48	18
LD 143 F	●●	3	24	41	LD 295 F	●●	5	110	40	LD 103	●●	5	110	16
LD 143 F	●●	3	48	32	LD 295 F	●●	5	230	35	LD 103	●●	5	230	17
LD 143 F	●●	3	110	17	LD 295 F	●●	2	24	85	LD 103	●●	2	12	82
LD 143 F	●●	3	230	16	LD 295 F	●●	2	48	65	LD 103	●●	2	24	43
LD 143 F	●●	5	12	80	LD 295 F	●●	2	110	40	LD 103	●●	2	48	18
LD 143 F	●●	5	24	41	LD 295 F	●●	2	230	35	LD 103	●●	2	110	16
LD 143 F	●●	5	48	32	LD 295 F	●●	6	24	85	LD 103	●●	2	230	17
LD 143 F	●●	5	110	17	LD 295 F	●●	6	48	65	LD 103	●●	6	12	84
LD 143 F	●●	5	230	16	LD 295 F	●●	6	110	40	LD 103	●●	6	24	43
LD 143 F	●●	2	12	80	LD 295 F	●●	6	230	35	LD 103	●●	6	48	18
LD 143 F	●●	2	24	41	LD 295 F	●●	8	24	85	LD 103	●●	6	110	16
LD 143 F	●●	2	48	32	LD 295 F	●●	8	48	65	LD 103	●●	6	230	17
LD 143 F	●●	2	110	17	LD 295 F	●●	8	110	40	LD 103	●●	6	24	43
LD 143 F	●●	2	230	16	LD 295 F	●●	8	230	35	LD 103	●●	6	48	18
LD 143 F	●●	6	12	81	LD 295 F	●●	1	24	85	LD 103	●●	6	110	16
LD 143 F	●●	6	24	34	LD 295 F	●●	1	48	65	LD 103	●●	6	230	17
LD 143 F	●●	6	48	21	LD 295 F	●●	1	110	40	LD 4.5.4 WO	●●	3	12	90
LD 143 F	●●	6	110	20	LD 295 F	●●	1	230	35	LD 4.5.4 WO	●●	3	24	45
LD 143 F	●●	6	230	18	LD 295 F	●●	3	12	280	LD 4.5.4 WO	●●	3	110	45
LD 143 F	●●	8	12	81	LD 495 F	●●	3	24	230	LD 4.5.4 WO	●●	3	230	50
LD 143 F	●●	8	24	36	LD 495 F	●●	3	230	25	LD 4.5.4 WO	●●	2	12	85
LD 143 F	●●	8	48	21	LD 495 F	●●	5	12	280	LD 4.5.4 WO	●●	2	24	45

LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltaje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltaje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltaje	mA			
LD 4.5.4 WO	●	6	110	45	LD 205	●	1	12	143	LD 405	●	3	12	210
LD 4.5.4 WO	●	6	230	55	LD 205	●	1	24	75	LD 405	●	3	24	125
LD 4.5.4 WO	●	4	12	90	LD 205	●	1	48	42	LD 405	●	3	48	75
LD 4.5.4 WO	●	4	24	45	LD 205	●	1	110	25	LD 405	●	3	110	32
LD 4.5.4 WO	●	4	110	45	LD 205	●	1	230	22	LD 405	●	3	230	32
LD 4.5.4 WO	●	4	230	50	LD 305	●	3	12	180	LD 405	●	5	12	210
LD 4.5.4 WO	●	1	12	125	LD 305	●	3	24	110	LD 405	●	5	24	125
LD 4.5.4 WO	●	1	24	65	LD 305	●	3	48	65	LD 405	●	5	48	75
LD 4.5.4 WO	●	1	110	60	LD 305	●	3	110	30	LD 405	●	5	110	32
LD 4.5.4 WO	●	1	230	70	LD 305	●	3	230	30	LD 405	●	5	230	32
LD 105	●	3	12	81	LD 305	●	5	12	180	LD 405	●	2	12	210
LD 105	●	3	24	38	LD 305	●	5	24	110	LD 405	●	2	24	125
LD 105	●	3	48	18	LD 305	●	5	48	65	LD 405	●	2	48	75
LD 105	●	3	110	16	LD 305	●	5	110	30	LD 405	●	2	110	32
LD 105	●	3	230	17	LD 305	●	5	230	30	LD 405	●	2	230	32
LD 105	●	5	12	81	LD 305	●	2	12	180	LD 405	●	6	12	210
LD 105	●	5	24	38	LD 305	●	2	24	110	LD 405	●	6	24	125
LD 105	●	5	48	18	LD 305	●	2	48	65	LD 405	●	6	48	75
LD 105	●	5	110	16	LD 305	●	2	110	30	LD 405	●	6	110	32
LD 105	●	5	230	17	LD 305	●	2	230	30	LD 405	●	6	230	32
LD 105	●	2	12	81	LD 305	●	6	12	180	LD 405	●	8	12	210
LD 105	●	2	24	38	LD 305	●	6	24	110	LD 405	●	8	24	125
LD 105	●	2	48	18	LD 305	●	6	48	65	LD 405	●	8	48	75
LD 105	●	2	110	16	LD 305	●	6	110	30	LD 405	●	8	110	32
LD 105	●	2	230	17	LD 305	●	6	230	30	LD 405	●	8	230	32
LD 105	●	2	48	18	LD 305	●	8	12	180	LD 405	●	1	12	210
LD 105	●	2	110	16	LD 305	●	8	24	110	LD 405	●	1	24	125
LD 105	●	2	230	17	LD 305	●	8	48	65	LD 405	●	1	48	75
LD 105	●	6	12	80	LD 305	●	8	110	30	LD 405	●	1	110	32
LD 105	●	6	24	40	LD 305	●	8	230	30	LD 405	●	1	230	32
LD 105	●	6	48	20	LD 305	●	1	12	180	LD 445	●	3	12	250
LD 105	●	6	110	16	LD 305	●	1	24	110	LD 445	●	3	24	150
LD 105	●	6	230	17	LD 305	●	1	48	65	LD 445	●	3	48	80
LD 105	●	8	12	80	LD 305	●	1	110	30	LD 445	●	3	110	35
LD 105	●	8	24	40	LD 305	●	1	230	30	LD 445	●	3	230	35
LD 105	●	8	48	20	LD 305	●	1	48	70	LD 445	●	5	12	250
LD 105	●	8	110	16	LD 305	●	1	110	30	LD 445	●	5	24	150
LD 105	●	8	230	17	LD 305	●	1	230	30	LD 445	●	5	48	80
LD 105	●	1	12	80	LD 345	●	3	12	185	LD 445	●	5	110	35
LD 105	●	1	24	40	LD 345	●	3	24	115	LD 445	●	5	230	35
LD 105	●	1	48	20	LD 345	●	3	48	70	LD 445	●	5	48	80
LD 105	●	1	110	16	LD 345	●	3	110	30	LD 445	●	5	110	35
LD 105	●	1	230	17	LD 345	●	3	230	30	LD 445	●	5	230	35
LD 205	●	3	12	140	LD 345	●	5	12	185	LD 445	●	2	12	250
LD 205	●	3	24	74	LD 345	●	5	24	115	LD 445	●	2	24	80
LD 205	●	3	48	40	LD 345	●	5	48	70	LD 445	●	2	110	35
LD 205	●	3	110	24	LD 345	●	5	110	30	LD 445	●	2	230	35
LD 205	●	3	230	21	LD 345	●	5	230	30	LD 445	●	6	12	250
LD 205	●	5	12	140	LD 345	●	2	12	185	LD 445	●	6	24	150
LD 205	●	5	24	74	LD 345	●	6	12	185	LD 445	●	6	48	80
LD 205	●	5	48	40	LD 345	●	6	24	115	LD 445	●	6	110	35
LD 205	●	5	110	24	LD 345	●	6	48	70	LD 445	●	6	230	35
LD 205	●	5	230	21	LD 345	●	6	110	30	LD 445	●	6	110	35
LD 205	●	7	12	21	LD 345	●	6	230	30	LD 445	●	6	230	35
LD 205	●	2	12	140	LD 345	●	6	48	70	LD 445	●	8	12	250
LD 205	●	2	24	74	LD 345	●	6	12	185	LD 445	●	8	24	150
LD 205	●	2	48	40	LD 345	●	6	24	115	LD 445	●	8	48	80
LD 205	●	2	110	24	LD 345	●	6	48	70	LD 445	●	8	110	35
LD 205	●	2	230	21	LD 345	●	6	110	30	LD 445	●	8	230	35
LD 205	●	6	12	143	LD 345	●	8	12	185	LD 445	●	1	12	250
LD 205	●	6	24	42	LD 345	●	8	24	115	LD 445	●	1	24	150
LD 205	●	6	48	42	LD 345	●	8	48	70	LD 445	●	1	48	80
LD 205	●	6	110	25	LD 345	●	8	110	30	LD 445	●	1	110	35
LD 205	●	6	230	22	LD 345	●	8	230	30	LD 445	●	1	230	35
LD 205	●	8	12	143	LD 345	●	1	12	185	LD 545	●	3	12	300
LD 205	●	8	24	75	LD 345	●	1	24	115	LD 545	●	3	24	185
LD 205	●	8	48	42	LD 345	●	1	48	70	LD 545	●	3	48	85
LD 205	●	8	110	25	LD 345	●	1	110	30	LD 545	●	3	110	40
LD 205	●	8	230	22	LD 345	●	1	230	30	LD 545	●	3	230	40

LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltagje	mA
LD 545	● 5	12	300	LD 545	● 1	110	40	LD 605	● 8	24	180
LD 545	● 5	24	185	LD 545	● 1	230	40	LD 605	● 8	48	85
LD 545	● 5	48	85	LD 605	● 3	12	310	LD 605	● 8	110	40
LD 545	● 5	110	40	LD 605	● 3	24	180	LD 605	● 8	230	40
LD 545	● 5	230	40	LD 605	● 3	48	85	LD 605	● 1	12	310
LD 545	● 2	12	300	LD 605	● 3	110	40	LD 605	● 1	24	180
LD 545	● 2	24	185	LD 605	● 3	230	40	LD 605	● 1	48	85
LD 545	● 2	48	85	LD 605	● 5	12	310	LD 605	● 1	110	40
LD 545	● 2	110	40	LD 605	● 5	24	180	LD 605	● 1	230	40
LD 545	● 2	230	40	LD 605	● 5	48	85	LD SO 545	● 3	230	25
LD 545	● 6	12	300	LD 605	● 5	110	40	LD SO 905	● 3	12	1500
LD 545	● 6	24	185	LD 605	● 5	230	40	LD SO 905	● 3	24	350
LD 545	● 6	48	85	LD 605	● 2	12	310	LD SO 905	● 3	230	20
LD 545	● 6	110	40	LD 605	● 2	24	180	LD SO 1505	● 3	230	55
LD 545	● 6	230	40	LD 605	● 2	48	85	LD SO 2105	● 3	230	75
LD 545	● 8	12	300	LD 605	● 2	110	40	LD SA 835	● 3	230	43
LD 545	● 8	24	185	LD 605	● 2	230	40	LD SA 1195	● 3	12	2000
LD 545	● 8	48	85	LD 605	● 6	12	310	LD SA 1195	● 3	24	430
LD 545	● 8	110	40	LD 605	● 6	24	180	LD SA 1195	● 3	230	35
LD 545	● 8	230	40	LD 605	● 6	48	85	LD SA 1395	● 3	230	80
LD 545	● 1	12	300	LD 605	● 6	110	40	LD SA 1995	● 3	230	75
LD 545	● 1	24	185	LD 605	● 6	230	40	LD SA 3185	● 3	230	12
LD 545	● 1	48	85	LD 605	● 8	12	310				

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RICAMBI

SPARE PARTS
PIECES DE RECHANGE
ERSATZTEILE
REPUESTOS

**INTERRUTTORI DI EMERGENZA
ANTIDEFLAGRANTI**
EXPLOSION-PROOF EMERGENCY SWITCHES
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VETRO + GRIGLIA + GHIERA

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I nostri prodotti antideflagranti sono omologati secondo la:

Direttiva 94/9/Ec “ATEX”

La nuova direttiva Atex Appendice 4 e Appendice 7, prevede che i produttori di Apparecchiature elettriche che possono essere utilizzate in zone di pericolo di esplosione per la presenza di gas, vapori, nebbie o polveri infiammabili abbiano un sistema di qualità certificato secondo la norma ISO 9000, con Piani Qualità espressamente definiti per la progettazione,



produzione, il controllo e assistenza di tali apparecchiature e che questo sia verificato costantemente da un organismo notificato. Sirena ha ottenuto il certificato dall'Istituto Masini, che è un organismo notificato n° 0068. Il certificato che attesta la conformità ai dettami della Direttiva ATEX è 0068/QPR-AT/031-2005.

CLASSIFICAZIONE DELLE AREE PERICOLOSE IN EUROPA PER PRESENZA DI GAS

In Europa viene seguita la norma EN 60079-10, in base a questa ogni luogo pericoloso per presenza di gas o vapori deve essere classificato secondo la suddivisione in una delle tre zone previste dalla normativa:

ZONA 0	È un'area nella quale una miscela di gas esplosiva è presente in maniera continuativa (es: interno di un serbatoio di benzina).
ZONA 1	È un'area nella quale una miscela di gas esplosiva può essere presente durante il normale funzionamento dell'impianto.
ZONA 2	È un'area nella quale una miscela di gas non è normalmente presente, e nel caso lo sia lo è solo per brevi periodi di tempo.

Ogni altra parte dell'impianto viene considerata
AREA SICURA

Allo stato attuale in Italia i luoghi di pericolo in base alle sostanze presenti si dividono in:

CLASSE 0	Materiale esplosivo (Dinamite)
CLASSE 1	Gas o Vapori (Benzine)
CLASSE 2	Polveri infiammabili (Magnesio)

MODI DI PROTEZIONE

CRITERI DI BASE

Una volta individuato all'interno di un impianto le varie zone di pericolo è fondamentale operare la scelta sulle apparecchiature elettriche che possono venire installate in quella zona per scongiurare il pericolo di esplosione causato da scintille accidentali o da sovrateemperature superficiali.

Fondamentalmente i criteri su cui si basano i diversi tipi di protezione sono i seguenti:

A – La possibile esplosione viene contenuta all'interno di apposite custodie a prova di esplosione (Ex-d)

B – Viene aumentata l'affidabilità dei componenti elettrici che non scintillano in modo normale di utilizzo, e viene quindi ridotto a livelli molto bassi il rischio che l'apparecchiatura possa causare un'esplosione (Ex-e; Ex-n).

C – L'energia messa in gioco anche in caso di guasto dell'apparecchio è così bassa da evitare qualsiasi innescio dell'atmosfera esplosiva (Ex-i).

D – Viene impedito il contatto tra il componente elettrico che può essere causa di innescio e l'atmosfera esplosiva (Ex-m; Ex-o; Ex-q; Ex-p).

CLASSIFICAZIONE DELLE AREE PERICOLOSE IN EUROPA PER PRESENZA DI POLVERI

In Europa viene seguita la norma EN 50281-1-1, in base a questa ogni luogo pericoloso per presenza di polveri deve essere classificato secondo la suddivisione in una delle tre zone previste dalla normativa:

ZONA 20	È un'area nella quale una polvere esplosiva è presente in maniera continuativa.
ZONA 21	È un'area in cui una polvere esplosiva può essere presente durante il normale funzionamento dell'impianto.
ZONA 22	È un'area nella quale una polvere esplosiva non è normalmente presente, e nel caso lo sia lo è solo per brevi periodi di tempo.

Ogni altra parte dell'impianto viene considerata
AREA SICURA

Classificazioni delle apparecchiature

Categoria di pericolo	EUROPA	Energia di innescio
Metano	Gruppo I (Miniere)	-
Acetilene	Gruppo IIC	> 20µ joules
Idrogeno	Gruppo IIC	> 20µ joules
Etilene	Gruppo IIB	> 60µ joules
Propano	Gruppo IIA	> 180µ joules
Polveri metalliche	In preparazione	Più difficilmente innescabili
Polveri di carbone		
Polveri di grano		
Fibre		

NORMATIVA COMUNITARIA EUROPEA		
REGOLE GENERALI		EN 50014
Ex"o"	Immersione in olio	EN 50015
Ex"p"	Sovrapressione interna	EN 50016
Ex"q"	Costruzione sotto sabbia	EN 50017
Ex"d"	Custodie a prova di esplosione	EN 50018
Ex"e"	Sicurezza aumentata	EN 50019
Ex"i"	Sicurezza intrinseca	EN 50020
Ex"m"	Immersione in resina	EN 50028

CLASSIFICAZIONE DELLE MASSIME TEMPERATURE SUPERFICIALI						
Massima temperatura superficiale (°C)	450	300	200	135	100	85
EUROPA	T1	T2	T3	T4	T5	T6

INDICE DI PROTEZIONE (EN 60529)

Prima cifra: protezione contro corpi solidi estranei			Seconda cifra: protezione contro l'acqua		
IP			IP		
0		Ø 50 mm	0		Non protetto
1		Ø 50 mm	1		Protetto contro la caduta verticale di gocce d'acqua (condensa)
2		Ø 12,5 mm	2		Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15°
3		Ø 2,5 mm	3		Protetto contro la caduta verticale di pioggia con un'inclinazione fino a 60°
4		Ø 1 mm	4		Protetto contro gli spruzzi d'acqua da tutte le direzioni
5		Ø 1 mm	5		Protetto contro i getti d'acqua da tutte le direzioni
6		Ø 1 mm	6		Totalmente protetto contro i getti d'acqua potenti
7		Ø 1 mm	7		Protetto contro gli effetti dell'immersione
8		Ø 1 mm	8		Protetto contro gli effetti dell'immersione continua in condizioni specificate

GRUPPI DI CUSTODIE ADATTE PER PARTICOLARI GAS O VAPORI INFIAMMABILI		
GROUP	MESG (mm)	Gas o vapore
I		Metano (grisou)
IIA	0,9 < MESG	Acetato di amile Acetato di etile Acetato di metile Acetato di N-butile Acetato di N-propile Acetone Alcol amilico Alcol butilico Alcol etilico Ammoniaca Benzene Butano Cicloesano Cloroetilene Decano Eptano Esano Etanolo Etil-metil-chetone Gas di alto forno Iso-Butanolo Iso-Ottano Metano industriale Metanolo Monossido di carbonio Nitro di etilene N-Butanolo Ossido di carbonio Pentano Propano Xilene
IIB	0,5 < MESG 0,9	Buta 1:3-diene Etere dietilico Etilene Gas di città Gas di forno a coke Ossido di etilene
IIC	<0,5 MESG	Acetilene Idrogeno Nitrato di etile Solfuro di carbonio
CARATTERISTICHE TECNICHE DEI PRODOTTI DELLA NOSTRA LINEA ANTIDEFLAGRANTE		
Corpo in lega di Alluminio esente da rame		
Cupola esterna in vetro borosilicato – cupola interna in Policarbonato		
Griglia di protezione in acciaio INOX		
Verniciatura poliestere RAL 3020		
Direttiva – Norme: 94/9/EC – EN50014 – EN50018		
Installazione (secondo EN60079-10 e EN50281-1-1): Zona 1 – Zona 2 – Zona 21 – Zona 22		



Our explosion proof products are approved according to:

“ATEX” Directive 94/9/Ec

The new ATEX directive, Appendices 4 & 7, states that manufacturers of electrical equipment to be used in explosive atmospheres where flammable gases, vapours, fumes or dusts are present, must have a certified quality system according to ISO 9000 with clearly defined quality plans for the design, production, inspection and assis-



tance of such equipment that can be constantly verified by an advisory body.

SIRENA has been awarded an ISO certificate by Istituto Masini, notified body no. 0068.

The certificate that proves conformity to the ATEX Directive regulations is: 0068/QPR-AT/031-2005.

CLASSIFICATION OF THE HAZARDOUS AREAS IN EUROPE WHERE GAS IS PRESENT

In Europe the EN 60079-10 standard is applicable and all dangerous areas where gas or vapours are present must be classified according to one of the following categories:

ZONE 0	An area where the mixture of explosive gas is constantly present (e.g. the inside of a fuel tank).
ZONE 1	An area where the mixture of explosive gas can be present during the normal operation of the plant.
ZONE 2	An area where the mixture of explosive gas is not normally present, but if it is, only for brief periods of time.

All other areas of the site are considered
SAFE AREAS

At the moment, in Italy, the dangerous areas are divided according to the substances present:

CLASS 0	Explosive Materials (Dynamite)
CLASS 1	Gas or Vapours (Fuels)
CLASS 2	Inflammable Powders (Magnesium)

METHODS OF PROTECTION

BASIC PRINCIPLES

Once the various hazardous areas have been identified within a plant, it is essential to study the choice of electrical equipment to be installed in that zone to protect against the danger of explosions caused by accidental sparks or surface overheating.

Primarily, the different types of protection are based on the following principles:

A – Potential explosions are contained within an appropriate explosion-proof housing (Ex-d).

B – An increase in the reliability of the electrical components that do not spark under normal use, and therefore the risk that they may cause an explosion is reduced to a very low level (Ex-e; Ex-n)

C – The energy at stake even in case of breakdown is low enough to avoid igniting the explosive atmosphere (Ex-i).

D – Contact is prevented between the electrical component that could act as a trigger and the explosive atmosphere (Ex-m; Ex-o; Ex-q; Ex-p).

CLASSIFICATION OF THE HAZARDOUS AREAS IN EUROPE WHERE POWDER IS PRESENT

Europe follows the EN 50281-1-1 standard and all dangerous areas where powder is present must be classified according to one of the following categories:

ZONE 20	An area where the mixture of explosive powder is constantly present.
ZONE 21	An area where the mixture of explosive powder can be present during the normal operation of the plant.
ZONE 22	An area where the mixture of explosive powder is not normally present, but if it is, only for brief periods of time.

All other areas of the site are considered
SAFE AREAS

Classification of the equipment		
Danger Category	EUROPE	Ignition energy
Methane	Group I (mines)	-
Ethyl Acetate	Group IIC	> 20µ joules
Hydrogen	Group IIC	> 20µ joules
Ethylene	Group IIB	> 60µ joules
Propane	Group IIA	> 180µ joules
Bushing metal powders	Standard should be issued	With harder ignition
Coal powders		
Grain powders		
Fibre		



EUROPEAN COMMUNITY RULES		
GENERAL RULES		EN 50014
Ex"o"	Oil immersed	EN 50015
Ex"p"	Inside pressure	EN 50016
Ex"q"	Construction under sand	EN 50017
Ex"d"	Explosion-proof housing	EN 50018
Ex"e"	Increased safety	EN 50019
Ex"i"	Intrinsic safety	EN 50020
Ex"m"	Encapsulation	EN 50028

CLASSIFICATION OF MAXIMUM SURFACE TEMPERATURE						
Max. surface temperature (°C)	450	300	200	135	100	85
EUROPE	T1	T2	T3	T4	T5	T6

DEGREE OF PROTECTION (EN 60529)

First digit: protection against accidental contact and penetration by solid foreign bodies			Second digit: protection against penetration of liquids		
IP			IP		
0		No particular protection	0		No particular protection
1		Protection against solid bodies over 50 mm and against contacts by large surfaces of the human body (e.g. the hands)	1		Protection against the vertical fall of drops of water (e.g. condensation)
2		Protection against solid bodies over 12,5 mm and against finger contact	2		Protection against the vertical fall of drops of water with a maximum incline of 15°
3		Protection against solid bodies over 2,5 mm (e.g. tools, wires)	3		Protection against the vertical fall of drops of water with a maximum incline of 60°
4		Protection against penetration of solid bodies with a diameter or thickness over 1 mm (e.g. wires)	4		Protection against splashes of water from all directions
5		Dust penetration is not fully excluded, but the quantity that penetrates causes no damaging effects	5		Protection against jets of water from all directions
6		No dust penetration is permitted	6		Protection against waves of water or powerful jets
7			7		Protection against the effects of immersion
8			8		Protection against the effects of prolonged immersion under pressure

GROUPS OF ENCLOSURES SUITABLE FOR A PARTICULAR FLAMMABLE GAS OR VAPOUR

GROUP	MESG (mm)	Gas or vapour
I		Methane (Firedamp)
IIA	0,9 < MESG	Amyl acetate Ethyl acetate Methyl acetate N-Butyl acetate N-Propyl acetate Acetone Amyl alcohol Butyl alcohol Ethanol Ammonia Benzene Butane Cyclohexane Cloroethylene Decane Eptane Esane Ethanol Ethyl-methyl-ketone Blas furnace gas Iso-Butanol Iso-Octane Industrial Methane Methanol Carbon monoxide Ethyl nitrite N-Butanol Carbon monoxide Pentane Propane Xilene
IIB	0,5 < MESG 0,9	Buta 1:3-diene Diethyl ether Ethylen Town gas Coke oven gas Ethylene oxide
IIC	<0,5 MESG	Acetylene Hydrogen Ethyl nitrate Carbon sulphide

TECHNICAL CHARACTERISTICS OF OUR EXPLOSION-PROOF RANGE OF PRODUCTS

Copper-free aluminium alloy body
Borosilicate glass external dome – PC internal dome
Stainless steel INOX protective grid
RAL 3020 polyester painted
Directive – Norms: 94/9/EC – EN50014 – EN50018
Installation (according to EN60079-10 and EN 50281-1-1) : Zone 1 – Zone 2 – Zone 21- Zone 22



Nos produits antidéflagrants sont homologués selon la:

Directive 94/9/Ec “ATEX”

La nouvelle directive Atex Appendice 4 et Appendice 7, prévoit que les fabricants d'appareils électriques qui peuvent être employés dans des zones à risque d'explosion, vu la présence de gaz, vapeurs, brouillards ou poussières inflammables, disposent d'un système de qualité certifié selon la norme ISO 9000. Ce système prévoit des plans de qualité



CLASSIFICATION DES ZONES DE DANGER EN EUROPE POUR LA PRESENCE DE GAZ

En Europe on suit la norme EN 60079-10, selon laquelle chaque zone dangereuse à cause de la présence de gaz ou vapeurs doit être classifiée selon la subdivision, dans les trois zones prévues par la norme:

ZONE 0	Il s'agit d'une zone dans laquelle un mélange de gaz explosif est toujours présent (ex. : intérieur d'un réservoir d'essence)
ZONE 1	Il s'agit d'une zone dans laquelle un mélange de gaz explosif peut être présent en conditions normales de service de l'installation
ZONE 2	Il s'agit d'une zone dans laquelle un mélange de gaz n'est normalement pas présent, et au cas où il serait présent, seulement pour une brève période.

Chaque autre partie de l'installation est considérée
ZONE SURE

Actuellement en Italie les zones de danger à base des substances présentes se divisent en:

CLASSE 0	Matériau explosif (Dynamite)
CLASSE 1	Gaz ou Vapeurs (Essences)
CLASSE 2	Poussières Inflammables (Magnésium)

MODES DE PROTECTION

CRITERES DE BASE

Une fois déterminé les différentes zones de danger à l'intérieur d'une installation, il est essentiel d'effectuer le choix des appareils électriques qui peuvent être installés dans cette zone pour éviter le danger d'explosion causé par d'étincelles accidentelles ou par une augmentation excessive de la température de surface.

Les critères sur lesquels se basent les différents types de protection sont principalement les suivants :

A – L'explosion possible se trouve à l'intérieur d'enveloppes spéciales à l'épreuve d'explosion (Ex-d)

B – La fiabilité des composants électriques qui n'étincellent pas en condition normale d'emploi est augmentée et donc le risque que l'appareil puisse causer une explosion est réduit à des niveaux très bas (Ex-e ; Ex-n).

C – L'énergie mise en jeu, même en cas de panne de l'appareil, est tellement basse que toute inflammation de l'atmosphère (Ex-i) est empêchée

D – Le contact entre le composant électrique qui peut être cause d'inflammation et l'atmosphère explosive, est empêché (Ex-m ; Ex-o ; Ex-q ; Ex-p).

conçus notamment pour le projet, la production, le contrôle et l'assistance des dits appareils et il est vérifié en continuité par un organisme notifié.

Sirena a obtenu le certificat de l'Institut Masini, l'organisme notifié n° 0068.

Le certificat qui atteste la conformité selon la Directive Atex est 0068/QPR-AT/031-2005.

CLASSIFICATION DES ZONES DE DANGER EN EUROPE POUR LA PRESENCE DE POUSSIÈRES

En Europe on suit la norme EN 50281-1-1, selon laquelle chaque zone dangereuse à cause de la présence de poussières, doit être classifiée selon la subdivision, dans les trois zones prévues par la norme:

ZONE 20	Il s'agit d'une zone dans laquelle la poussière explosive est toujours présente
ZONE 21	Il s'agit d'une zone dans laquelle la poussière explosive peut être présente en conditions normales de service de l'installation.
ZONE 22	Il s'agit d'une zone dans laquelle la poussière explosive n'est normalement pas présente, et au cas où il serait présente, seulement pour une brève période.

Chaque autre partie de l'installation est considérée
ZONE SURE

Classification des appareillages		
Catégorie de danger	EUROPE	Energie d'inflammation
Méthane	Groupe I (Mines)	-
Acétylène	Groupe IIC	> 20µ joules
Hydrogène	Groupe IIC	> 20µ joules
Ethylène	Groupe IIB	> 60µ joules
Propane	Groupe IIA	> 180µ joules
Poussières métalliques	En préparation	Plus difficile à étouffiller
Poussières de charbon		
Poussières de blé		
Fibres		

NORMES COMMUNAUTE EUROPEENNE		
REGLES GENERALES		EN 50014
Ex"o"	Immersion dans l'huile	EN 50015
Ex"p"	Surpression interne	EN 50016
Ex"q"	Construction sous sable	EN 50017
Ex"d"	Enveloppes à preuve d'explosion	EN 50018
Ex"e"	Sécurité augmentée	EN 50019
Ex"i"	Sécurité intrinsèque	EN 50020
Ex"m"	Immersion dans la résine	EN 50028

CLASSIFICATION DES TEMPERATURES MAXIMALES DE SURFACE						
Température maximale de surface (° C)	450	300	200	135	100	85
EUROPE	T1	T2	T3	T4	T5	T6

1er chiffre: protection contre les corps solides			2e chiffre: protection contre les corps liquides		
IP			IP		
0		Pas de protection	0		Pas de protection
1		Protégé contre les corps solides supérieurs à 50 mm (ex.: contacts involontaires de la main)	1		Protégé contre les chutes verticales de gouttes d'eau (condensation)
2		Protégé contre les corps solides supérieurs à 12,5 mm (ex.: doigt de la main)	2		Protégé contre les chutes de gouttes d'eau jusqu'à 15° de la verticale
3		Protégé contre les corps solides supérieurs à 2,5 mm (outils, vis)	3		Protégé contre l'eau en pluie jusqu'à 60° de la verticale
4		Protégé contre les corps solides supérieurs à 1 mm (outils fins, petits fils)	4		Protégé contre les projections d'eau de toutes directions
5		Protégé contre les poussières (pas de dépôt nuisible)	5		Protégé contre les jets d'eau de toutes directions à la lance
6		Totalement protégé contre les projections d'eau assimilables aux paquets de mer	6		Totalement protégé contre les projections d'eau assimilables aux paquets de mer
7			7		Protégé contre les effets de l'immersion
8		Totalement protégé contre les poussières	8		Protégé contre les effets de l'immersion prolongée dans des conditions spécifiées

GROUPES D'ENVELOPPES CONVENABLES POUR GAZ OU VAPEURS INFLAMMABLES PARTICULIERS		
GROUPE	MESG (mm)	Gaz ou vapeur
I		Méthane (grisou)
IIA	0,9 < MESG	Acétate d'amyle Acétate d'éthyle Acétate de méthyle Acétate de n butyle Acétate de n propylée Acétone Alcool amylique Alcool butylique Alcool éthylique Ammoniaque Benzène Butane Cyclohexane Chloroéthylène Décané Heptane Hexane Ethanol Ethyl-méthyl-cétone Gaz haut de four Iso-butanol Iso-octane Méthane industriel Méthanol Monoxyde de carbone Nitrate d'éthylène N – butanol Oxyde de carbone Pentane Propane Xylène
IIB	0,5 < MESG 0,9	Buta 1 :3-diène Ether diéthylénique Ethylène Gaz de ville Gaz de four à coke Oxyde d'éthylène
IIC	<0,5 MESG	Acétylène Hydrogène Nitrite d'éthyle Sulfure de carbone
CARACTERISTIQUES TECHNIQUES DES PRODUITS DE NOTRE LIGNE ANTIDEFLAGRANTE		
Corps en alliage d'aluminium sans cuivre		
Dôme externe en verre borosilicate – dôme interne en polycarbonate		
Grille de protection en acier INOX		
Vernissage polyester RAL 3020		
Directive – Norme : 94/9/EC - EN 50014 – EN 50018		
Installation (selon EN 60079-10 et EN 50281-1-1): Zone 1 – Zone 2 – Zone 21 – Zone 22		

Unsere explosionsgeschützten Signalgeräte sind nach der:

"ATEX" Richtlinie 94/9/EG zertifiziert

Die neue ATEX Richtlinie – Anhang 4 und 7 – sieht vor, dass die Hersteller von elektrischen Geräten, die in Explosionsgefahrenzonen installiert werden, wo die Existenz von brennbaren Gasen, Dämpfen, Nebeln und Stäuben möglich ist, ein nach der ISO 9000 zertifiziertes Qualitätssystem haben müssen. Dieses Qualitätssystem sieht Qualitätspläne



vor, die eigens für die Planung, die Herstellung, die Kontrolle und den Kundendienst festgesetzt sind. Dies wird auch von einem Prüfinstitut regelmäßig überprüft. Sirena ist von Istituto Masini zertifiziert nach DIN ISO 9000 mit der Nr. 0068. Das Zertifikat, welches die Konformität mit der ATEX –Richtlinie belegt, ist die 0068/QPR-AT/031-2005.

KLASSIFIZIERUNG DER GEFARENZONEN IN EUROPA BEI DER EXISTENZ VON GASEN

In Europa wird die Norm EN 60079-10 befolgt und jede Gefahrenzone der Anlage muss somit bei der Existenz von Gasen oder Dämpfen, wie folgt klassifiziert werden.

Durch brennbare Gase explosionsgefährdete Bereiche:

ZONE 0	Bereiche, in denen gefährliche explosionsfähige Atmosphäre, die aus einem Gemisch von Luft und Gasen, Dämpfen oder Nebeln besteht, ständig, langzeitig oder häufig existiert (z.B. in einem Kraftstoffbehälter).
ZONE 1	Bereiche, in denen die explosionsfähige Atmosphäre aus Gasen, Dämpfen und Nebeln gelegentlich und mit höherer Wahrscheinlichkeit existiert.
ZONE 2	Bereiche, in denen die explosionsfähige Atmosphäre durch Gase, Dämpfe oder Nebel selten und mit geringerer Wahrscheinlichkeit existieren.

Jeder andere Bereich der Anlage wird als **SICHERE ZONE** bezeichnet.

Derzeit werden in Italien die Gefahrenbereiche aufgrund der vorhandenen Stoffe in folgende Klassen eingeteilt:

KLASSE 0	Sprengstoffe (Dynamit)
KLASSE 1	Gase oder Dämpfe (Benzine)
KLASSE 2	Brennbare Stäube (Magnesium)

ZÜNDSCHUTZARTEN

GRUNDSÄTZE

Nach der Bestimmung der verschiedenen Gefahrenbereiche einer Anlage ist es wesentlich, die für diese Zonen richtigen elektrischen Geräten zu wählen, um eine Explosion zu vermeiden, die aufgrund von zufällig entstehenden Funken oder einer Überhitzung verursacht werden können.

Grundsätzlich basieren die verschiedenen Zündschutzarten auf folgenden Prinzipien:

A – Die mögliche Explosion wird in druckfesten Kapselungen eingeschränkt (Ex-d).

B – Verwendung von elektrischen Komponenten, die in normalem Betriebszustand nicht funken und somit die Explosionsgefahr wesentlich reduzieren (Ex-e; Ex-n).

C – Die Energie im Stromkreis ist so niedrig, dass auch im Falle eines Defekts der Anlage, jede Zündung der explosiven Atmosphäre vermieden wird (Ex-i).

D – Die Berührung zwischen den elektrischen Komponenten (mögliche Zündursache) und der explosiven Atmosphäre wird verhindert (Ex-m; Ex-o; Ex-q; Ex-p).

KLASSIFIZIERUNG DER GEFARENZONEN IN EUROPA BEI DER EXISTENZ VON STÄUBE

In Europa wird die Norm EN 50281-1-1 befolgt und jede Gefahrenzone der Anlage muss somit bei der Existenz von Stäuben, wie folgt klassifiziert werden.

Durch brennbare Stäube explosionsgefährdete Bereiche:

ZONE 20	Bereiche, in denen eine explosionsfähige Atmosphäre aus Staub/ Luftpumischen besteht, die ständig, langzeitig oder häufig existiert.
ZONE 21	Bereiche, in denen die explosionsfähige Atmosphäre au Staub/Luftgemischen gelegentlich und mit höherer Wahrscheinlichkeit existiert.
ZONE 22	Bereiche, in denen die explosionsfähige Atmosphäre aus Staub /Luftgemischen selten und mit geringerer Wahrscheinlichkeit existieren.

Jeder andere Bereich der Anlage wird als **SICHERE ZONE** bezeichnet.

Klassifizierung der Geräte

Typisches Gefahrengas	EUROPA	Zündenergie
Methan	Gruppe I (Bergwerke)	-
Acetylen	Gruppe IIC	> 20µ joules
Wasserstoff	Gruppe IIC	> 20µ joules
Äthylen	Gruppe IIB	> 60µ joules
Propan	Gruppe IIA	> 180µ joules
Metallpulver	In Vorbereitung	Schwerlich zündbar
Kohlenpulver		
Kornpulver		
Fasern		

EG NORM		
ALLGEMEINE ANFORDERUNGEN		EN 50014
Ex"o"	Ölkapselung	EN 50015
Ex"p"	Überdruckkapselung	EN 50016
Ex"q"	Sandkapselung	EN 50017
Ex"d"	Explosionsgeschützte Kapselung	EN 50018
Ex"e"	Erhöhte Sicherheit	EN 50019
Ex"i"	Eigensicherheit	EN 50020
Ex"m"	Vergusskapselung	EN 50028

KLASSIFIZIERUNG DER MAX. OBERFLÄCHENTEMPERATUR						
Max. Oberflächen-temperatur (°C)	450	300	200	135	100	85
EUROPA	T1	T2	T3	T4	T5	T6

SCHUTZARTEN (EN 60529)		
Erste Ziffer: Schutz gegen feste Fremdkörper		Zweite Ziffer: Wasserschutz
IP	 	IP
		0 Kein Schutz
		1 Schutz gegen senkrecht tropfendes Wasser
		2 Schutz gegen schräg (15°) tropfendes Wasser
		3 Schutz gegen Sprühwasser schräg bis (60°)
		4 Schutz gegen Spritzwasser aus allen Richtungen
		5 Schutz gegen Strahlwasser
		6 Schutz gegen starkes Strahlwasser
		7 Schutz gegen zeitweiliges Untertauchen in Wasser

KAPSELUNGSGRUPPEN GEEIGNET FÜR BESTIMMTE GASE ODER ZÜNDDÄMPFE		
GRUPPE	MESG (mm)	Gas oder Dampf
I		Methan (Grubengas)
IIA	0,9 < MESG	Amylazetat Äthylazetat Methylazetat N-Butylazetat N-Propylazetat Azeton Amylalkohol Butylalkohol Äthylalkohol Ammoniak Benzol Butan Zyklohexan Chloräthylen Decan Heptan Hexan Äthanol Äthyl-Methyl-Keton Hochofengas Iso-Butanol Iso-Oktan Industriemethan Methanol Kohlenmonoxyd Äthyl-Nitrid N-Butanol Kohlenoxyd Pentan Propan Xylol
IIB	0,5 < MESG 0,9	1:3 Butadien Äthyläther Äthylen Stadtgas Kokereigas Äthylenoxyd
IIC	< 0,5 MESG	Acetylen Wasserstoff Äthyl-Nitrat Schwefelkohlenstoff
TECHNISCHE EIGENSCHAFTEN UNSERER EXPLOSIONSGESCHÜTZTEN PRODUKTE		
Gehäuse aus Alulegierung – Kupferfrei		
Außenhaube aus Borsilikatglas – Innere Haube aus Polykarbonat		
Schutzwand aus rostfreiem Stahl		
Polyesterlackierung RAL 3020		
Richtlinie – Normen: 94/9/EC – EN50014 – EN50018		
Installation (nach EN60079-10 und EN 50281-1-1): Zone 1 – Zone 2 – Zone 21 – Zone 22		

Nuestros productos antideflagrantes están homologados según la:

Norma 94/9/Ec “ATEX”

La nueva norma Atex Apéndice 4 y Apéndice 7, prevé que los fabricantes de aparatos eléctricos a instalarse en zonas a riesgo de explosión a causa de la presencia de gas, vapores, nieblas o polvos inflamables, tengan un sistema de calidad certificado según la norma ISO 9000. Este sistema prevé unos planos de calidad concebidos expresamente para el pro-



yecto, la producción, el control y la asistencia de estos aparatos verificados constantemente por un organismo notificado.

Sirena a conseguido el certificado del Instituto Masini, que es el organismo notificado nº 0068.

El certificado que atesta la conformidad según la Norma Atex es 0068/QPR-AT/031-2005.

CLASIFICACIÓN DE LAS ZONAS DE PELIGRO EN EUROPA PARA LA PRESENCIA DE GAS

En Europa la norma EN 60079-10, notifica que cada lugar peligroso debido a la presencia de gas o vapores deba clasificarse según la subdivisión en las tres zonas previstas por la norma misma:

ZONA 0	zona en la cual una mezcla de gas explosivo está siempre presente (ej.: interno de un tanque de gasolina).
ZONA 1	zona en la cual una mezcla de gas explosivo puede estar presente en condiciones normales de funcionamiento de la instalación.
ZONA 2	zona en la cual una mezcla de gas explosivo no está normalmente presente, y en caso de que lo sea, sólo durante un breve período.

Cualquiera otra parte de la instalación se considera **ZONA SEGURA**

Actualmente en Italia las zonas de peligro en base a las substancias presentes se dividen en:

CLASE 0	Material explosivo (Dinamita)
CLASE 1	Gas o Vapores (Gasolina)
CLASE 2	Polvos Inflamables (Magnesio)

FORMAS DE PROTECCIÓN

CRITERIOS DE BASE

Una vez determinadas las distintas zonas de peligro en el interior de una instalación, es importante llevar a cabo la elección de los aparatos eléctricos que se pueden instalar en esta zona para evitar el peligro de explosión causado por unas chispas accidentales o por un aumento excesivo de la temperatura superficial.

Los criterios en relación a los cuales se basan los distintos tipos de protección son principalmente los siguientes:

A – La posible explosión es contenida en el interior de carcasa especial a prueba de explosión (Ex-d).

B – La fiabilidad de los componentes eléctricos que no producen chispa en condición normal de empleo es aumentada y por lo tanto el riesgo de que el aparato pueda causar una explosión se reduce a niveles muy bajos (Ex-e ; Ex-n).

C – La energía desprendida en caso de avería del aparato es tan baja que evita cualquier inflamación de la atmósfera explosiva (Ex-i).

D – Se impide el contacto entre el componente eléctrico que puede ser causa de inflamación y la atmósfera explosiva (Ex-m ; Ex-o ; Ex-q ; Ex-p).

CLASIFICACIÓN DE LAS ZONAS DE PELIGRO EN EUROPA PARA LA PRESENCIA DE POLVOS

En Europa la norma EN 50281-1-1 notifica que cada lugar peligroso debido a la presencia de polvos deba clasificarse según la subdivisión en las tres zonas previstas por la norma misma:

ZONA 20	zona en la cual un polvo explosivo está siempre presente
ZONA 21	zona en la cual un polvo explosivo puede estar presente en condiciones normales de funcionamiento de la instalación
ZONA 22	zona en la cual un polvo explosivo no está normalmente presente, y en caso de que lo sea, sólo durante un breve período.

Cualquiera otra parte de la instalación se considera **ZONA SEGURA**

Clasificación de los aparatos

Categoría de peligro	EUROPA	Energía de inflamación
Metano	Grupo I (Minas)	-
Acetileno	Grupo IIC	> 20µ joules
Hidrógeno	Grupo IIC	> 20µ joules
Etileno	Grupo IIB	> 60µ joules
Propano	Grupo IIA	> 180µ joules
Polvos metálicos		
Polvos de carbón		
Polvos de trigo		
Fibras		
	En preparación	Más difícil de inflamar

NORMATIVA COMUNIDAD EUROPEA		
REGLAS GENERALES		EN 50014
Ex"o"	Baño en aceite	EN 50015
Ex"p"	Sobrepresión interior	EN 50016
Ex"q"	Por relleno de arena	EN 50017
Ex"d"	A prueba de explosión	EN 50018
Ex"e"	Seguridad aumentada	EN 50019
Ex"i"	Seguridad intrínseca	EN 50020
Ex"m"	Encapsulado	EN 50028

CLASIFICACIÓN DE LAS TEMPERATURAS MÁXIMAS DE SUPERFICIE						
Temperaturas máximas de superficie (° C)	450	300	200	135	100	85
EUROPA	T1	T2	T3	T4	T5	T6

1º cifra: protección contra los cuerpos sólidos			2º cifra: protección contra los cuerpos líquidos		
IP			IP		
0		Ø 50 mm	0		Sin protección
1		Ø 50 mm	1		Protegido contra las caídas verticales de gotas de agua (condensación)
2		Ø 12,5 mm	2		Protegido contra las caídas de agua hasta 15° de la vertical
3		Ø 2,5 mm	3		Protegido contra el agua de lluvia hasta 60° de la vertical
4		Ø 1 mm	4		Protegido contra las proyecciones de agua en todas direcciones
5			5		Protegido contra el lanzamiento de agua en todas direcciones
6			6		Protegido contra el lanzamiento de agua similar a los golpes de mar
7			7		Protegido contra la inmersión
8			8		Protegido contra los efectos prolongados de inmersión bajo presión

GRUPOS DE CARCASAS ADECUADAS PARA GAS O VAPORES INFLAMABLES PARTICULARES		
GRUPO	MESG (mm)	Gas o vapor
I		Metano (grisú)
IIA	0,9 < MESG	Acetato de amilo Acetato de etilo Acetato de metilo Acetato de n butilo Acetato de n propilo Acetona Alcohol amílico Alcohol butílico Alcohol étílico Amoníaco Benceno Butano Ciclohexano Cloroetileno Decano Heptano Hexano Etanol Etil-Metil-cetona Gas de alto horno Iso-butanol Iso-Octano Metano industrial Metanol Monóxido de carbono Nitruro de etileno N – butanol Óxido de carbono Pentano Propano Xileno
IIB	0,5 < MESG 0,9	Buta 1 :3-diene Éter dietílico Etileno Gas de ciudad Gas de horno de cok Óxido de etileno
IIC	<0,5 MESG	Acetileno Hidrógeno Nitrido de etilo Sulfuro de carbono
CARACTERÍSTICAS TÉCNICAS DE LOS PRODUCTOS DE NUESTRA LÍNEA ANTIDEFLAGRANTE		
Cuerpos en aleación de aluminio sin cobre		
Cúpula externa de vidrio boro silicato – cúpula interna de policarbonato		
Rejilla de protección en acero INOX		
Barnizado poliéster RAL 3020		
Norma – Estándar: 94/9/EC - EN 50014 – EN 50018		
Instalación (según EN 60079-10 y EN 50281-1-1): Zona 1 – Zona 2 – Zona 21 – Zona 22		



LEGENDA - LEGEND - LEGENDE - LEGENDE - LEYENDA

VOLTAGGIO VOLTAGE TENSION SPANNUNG VOLTAJE	CORRENTE CURRENT COURANT STROM CORRIENTE	FREQUENZA FREQUENCY FREQUENCE FREQUENZ FRECUENCIA	ENERGIA ENERGY ENERGIE ENERGIE ENERGÍA	1F= MONOLAMPO-SINGLE FLASH-SIMPLE ECLAT- EINZELBLITZ-DESTELLO SIMPLE 2F= BILAMPO-DOUBLE FLASH- DOUBLE ECLAT-DOPPELBLITZ- DESTELLO DOBLE	LAMPI O GIRI PER MINUTO Flash/min or r.p.m. FLASHES OR ROTATIONS PER MINUTE Flash/min or r.p.m. ECLATS OU TOURS PAR MINUTE Flash/min ou r.p.m. BLITZE ODER UMDREHUNGEN PRO MINUTE Flash/min oder r.p.m. DESTELLOS O ROTACIONES POR MINUTO Flash/min o r.p.m.
V 12÷24-110-230/240 ($\pm 10\%$)	---	$\sim 50/60 \text{ Hz}$	J2	2F	Flash/min. 65±10
IP 66	°C -20 +40	On			M25x1.5*
GRADO IP: CORPI SOLIDI E ACQUA IP RATING: SOLID BODIES AND WATER DEGRE IP: CORPS SOLIDES ET EAU IP-SCHUTZART: FESTE FREMDKÖRPER-WASSER GRADO DE IP: CUERPOS SÓLIDOS Y AGUA	SERVIZIO CONTINUO CONTINUOUS OPERATION SERVICE CONTINU DAUERBETRIEB SERVICIO CONTINUO	TEMPERATURA DI FUNZIONAMENTO OPERATING TEMPERATURE RANGE TEMPERATURE DE FONCTIONNEMENT BETRIEBSTEMPERATUR TEMPERATURA OPERATIVA	PROPAGAZIONE LUCE LIGHT DIFFUSION DIFFUSION DE LA LUMIERE LICHTSTRÄHLUNG PROPAGACIÓN DE LA LUZ	COLORI DELLA CUPOLA DOME COLOURS COULEURS DU DOME HAUBENFARBEN COLORES DE LA CÚPULA: 1 = BLU – BLUE – BLEU – AZUL 2 = ARANCIO – AMBER – ORANGE – GELB – ÁMBAR 3 = ROSSO – RED – ROUGE – ROT – ROJO 4 = VERDE – GREEN – VERT – GRÜN – VERDE 5 = GIALLO – YELLOW – JAUNE – HELLGELB – AMARILLO 6 = NEUTRO – CLEAR – TRANSPARENT – FARBLOS – CLARO	MATERIALE CUPOLA DOME MATERIAL MATERIEL DU DOME HAUBENMATERIAL MATERIAL DE LA CÚPULA PC: POLICARBONATO POLYCARBONATE POLYCARBONAT POLICARBONATO COLORI DELLA CUPOLA: 1 = BLU – BLUE – BLEU – AZUL 2 = ARANCIO – AMBER – ORANGE – GELB – ÁMBAR 3 = ROSSO – RED – ROUGE – ROT – ROJO 4 = VERDE – GREEN – VERT – GRÜN – VERDE 5 = GIALLO – YELLOW – JAUNE – HELLGELB – AMARILLO 6 = NEUTRO – CLEAR – TRANSPARENT – FARBLOS – CLARO
* Filetti, adattatori e pressacavi disponibili a richiesta Threads, adapters and pressure glands available on request Filets, adaptateurs et presse-étoupe disponibles sur demande Gewinde, Passtücke und Kabdurchführungen lieferbar auf Anfrage Roscas, adaptadores y prensaestopas disponibles bajo demanda	TIPO FILETTATURA TYPE OF THREAD TYPE DE FILETAGE GEWINDE TIPO DE ROSCA				

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

INFORMATIONS TECHNIQUES CONCERNANT LES CARACTÉRISTIQUES ELECTRIQUES
ET FONCTIONNELLES LES PLUS IMPORTANDES

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE

INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES
FUNCIONALES MÁS IMPORTANTES

TIPO DI SORGENTE LUMINOSA: TYPE OF LUMINOUS SOURCE: TYPE DE SOURCE LUMINEUSE: LICHTQUELLENTYP: TIPO DE FUENTE LUMINOSA:	VOLTAGGIO CORRENTE ALTERNATA ALTERNATING CURRENT VOLTAGE TENSION COURANT ALTERNATIF SPANNUNG WECHSELSTROM VOLTAJE CORRIENTE ALTERNA	VOLTAGGIO CORRENTE CONTINUA DIRECT CURRENT VOLTAGE TENSION COURANT CONTINU SPANNUNG GLEICHSTROM VOLTAJE CORRIENTE CONTINUA	OMOLOGAZIONE APPROVAL HOMOLOGATION GENEHMIGUNG HOMOLOGACIÓN	TEMPERATURA MASSIMA SUPERFICIALE MAXIMUM SURFACE TEMPERATURE TEMPERATURE MAXIMALE DE SURFACE MAX. OBERFLÄCHENTEMPERATUR TEMPERATURA MAXIMA DE SUPERFICIE
LAMPADA A FILAMENTO FILAMENT BULB AMPOULE A FILAMENT GLÜHLAMPE LÁMPARA INCANDESCENTE	BA 15s 45W --- LR BA 15s 45 W E 14 40W \sim LR E14S 40W	V --- V \sim A Cd (p)	CESI 05 ATEX 043	T6
TUBO A SCARICA ALLO XENO 1J XENON TUBE 1J TUBE AU XENON 1J XENON-BLITZRÖHRE 1J TUBO DE DESCARGA DE XENÓN 1J	ASSORBIMENTO DI CORRENTE CURRENT CONSUMPTION CONSUMMATION DE COURANT STROMVERBRAUCH CONSUMO DE CORRIENTE	CANDELE DI PICCO misurate con cupola neutra PEAK CANDELAS with clear dome CANDELAS DE PIC avec dome incolore SPITZENWERT-CANDELAS mit farbloser Haube CANDELAS/PICO con cúpula incolora		
TUBO A SCARICA ALLO XENO 2J XENON TUBE 2J TUBE AU XENON 2J XENON-BLITZRÖHRE 2J TUBO DE DESCARGA DE XENÓN 2J				
TUBO A SCARICA ALLO XENO 6J XENON TUBE 6J TUBE AU XENON 6J XENON-BLITZRÖHRE 6J TUBO DE DESCARGA DE XENÓN 6J				
TUBO A SCARICA ALLO XENO 3-9J XENON TUBE 3-9J TUBE AU XENON 3-9J XENON-BLITZRÖHRE 3-9J TUBO DE DESCARGA DE XENÓN 3-9J				
TUBO A SCARICA ALLO XENO 15J XENON TUBE 15J TUBE AU XENON 15J XENON-BLITZRÖHRE 15J TUBO DE DESCARGA DE XENÓN 15J				
TUTTI I PRODOTTI SONO IMBALLATI IN CASSE DI LEGNO ALL PRODUCTS ARE PACKED IN WOODEN BOXES TOUS LES PRODUITS SONT EMBALLES DANS DES BOITES EN BOIS ALLE PRODUKTE SIND IN HOLZKASTEN VERPACKT TODOS LOS PRODUCTOS SON EMBALADOS EN CAJAS DE MADERA				



II 2GD EEx-de IIC LUCI ROTANTI ANTIDEFLAGRANTI

EXPLOSION-PROOF ROTATING BEACONS / FEUX TOURNANTS ANTIDEFLAGRANTS / EXPLOSIONSGESCHÜTZTE RUNDUMLEUCHTEN / LUCES ROTATIVAS ANTIDEFLAGRANTES

V 12-24-48-110-230/240 ($\pm 10\%$) H1: 12-24	---	$\sim 50/60$ Hz	r.p.m. 160 \pm 30
IP 66	°C -25 +50 H1: -20 +40	On	1 2 3 4 5 6 PC M25x1.5*



EX 080 BABY R

CESI 05 ATEX 043 T6

 BA 9s 10W LR BA 9s 10W	V ---	-	24	-	-	-	-
	V ~	12		48	110	230/240	
	mA	820	500	280	140	75	
	Cd (p)	270	315	252	180	108	

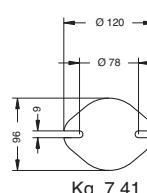
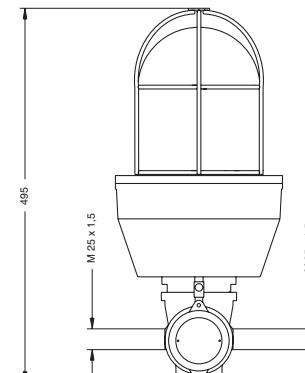
EX080BABYR12A1 ● 95691
 EX080BABYR12A2 ○ 95692
 EX080BABYR12A3 ● 95693
 EX080BABYR12A4 ○ 95694
 EX080BABYR12A5 ○ 95695
 EX080BABYR12A6 ○ 95696

EX080BABYR24DA1 ● 95701
 EX080BABYR24DA2 ○ 95702
 EX080BABYR24DA3 ● 95703
 EX080BABYR24DA4 ○ 95704
 EX080BABYR24DA5 ○ 95705
 EX080BABYR24DA6 ○ 95706

EX080BABYR48A1 ● 95711
 EX080BABYR48A2 ○ 95712
 EX080BABYR48A3 ● 95713
 EX080BABYR48A4 ○ 95714
 EX080BABYR48A5 ○ 95715
 EX080BABYR48A6 ○ 95716

EX080BABYR110A1 ● 95721
 EX080BABYR110A2 ○ 95722
 EX080BABYR110A3 ● 95723
 EX080BABYR110A4 ○ 95724
 EX080BABYR110A5 ○ 95725
 EX080BABYR110A6 ○ 95726

EX080BABYR230/240A1 ● 95731
 EX080BABYR230/240A2 ○ 95732
 EX080BABYR230/240A3 ● 95733
 EX080BABYR230/240A4 ○ 95734
 EX080BABYR230/240A5 ○ 95735
 EX080BABYR230/240A6 ○ 95736



Kg. 7,41

EX 080 RA

CESI 05 ATEX 043 T6

 BA 15s 45W LR BA 15s 45W E 14 25W ~ LR E 14T 25W	V ---	12	24	48	-	-	-
	V ~	12	24	-	48	110	230/240
	A	4	2.1	1	0.74	0.31	0.15
	Cd (p)	5900	5900	5900	540	460	360

EX080RA12D1 ● 95941
 EX080RA12D2 ○ 95942
 EX080RA12D3 ● 95943
 EX080RA12D4 ○ 95944
 EX080RA12D5 ○ 95945
 EX080RA12D6 ○ 95946

EX080RA12A1 ● 95951
 EX080RA12A2 ○ 95952
 EX080RA12A3 ● 95953
 EX080RA12A4 ○ 95954
 EX080RA12A5 ○ 95955
 EX080RA12A6 ○ 95956

EX080RA24D1 ● 95961
 EX080RA24D2 ○ 95962
 EX080RA24D3 ● 95963
 EX080RA24D4 ○ 95964
 EX080RA24D5 ○ 95965
 EX080RA24D6 ○ 95966

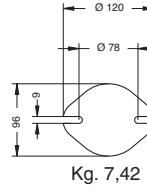
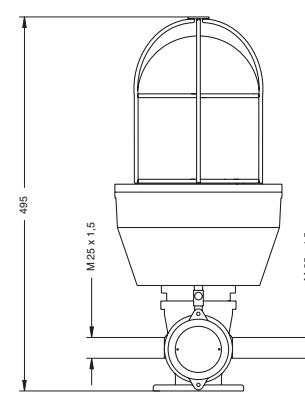
EX080RA24A1 ● 95971
 EX080RA24A2 ○ 95972
 EX080RA24A3 ● 95973
 EX080RA24A4 ○ 95974
 EX080RA24A5 ○ 95975
 EX080RA24A6 ○ 95976

EX080RA48D1 ● 95981
 EX080RA48D2 ○ 95982
 EX080RA48D3 ● 95983
 EX080RA48D4 ○ 95984
 EX080RA48D5 ○ 95985
 EX080RA48D6 ○ 95986

EX080RA48A1 ● 95991
 EX080RA48A2 ○ 95992
 EX080RA48A3 ● 95993
 EX080RA48A4 ○ 95994
 EX080RA48A5 ○ 95995
 EX080RA48A6 ○ 95996

EX080RA110A1 ● 96001
 EX080RA110A2 ○ 96002
 EX080RA110A3 ● 96003
 EX080RA110A4 ○ 96004
 EX080RA110A5 ○ 96005
 EX080RA110A6 ○ 96006

EX080RA230/240A1 ● 96011
 EX080RA230/240A2 ○ 96012
 EX080RA230/240A3 ● 96013
 EX080RA230/240A4 ○ 96014
 EX080RA230/240A5 ○ 96015
 EX080RA230/240A6 ○ 96016



Kg. 7,42

EX 080 RA H

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ---	12	24
	V ~	12	24
	A	4.8	3.1
	Cd (p)	9000	9000

EX080RAH12D1 ● 96021
 EX080RAH12D2 ○ 96022
 EX080RAH12D3 ● 96023
 EX080RAH12D4 ○ 96024
 EX080RAH12D5 ○ 96025
 EX080RAH12D6 ○ 96026

EX080RAH12A1 ● 96031
 EX080RAH12A2 ○ 96032
 EX080RAH12A3 ● 96033
 EX080RAH12A4 ○ 96034
 EX080RAH12A5 ○ 96035
 EX080RAH12A6 ○ 96036

EX080RAH24D1 ● 96041
 EX080RAH24D2 ○ 96042
 EX080RAH24D3 ● 96043
 EX080RAH24D4 ○ 96044
 EX080RAH24D5 ○ 96045
 EX080RAH24D6 ○ 96046

EX080RAH24A1 ● 96051
 EX080RAH24A2 ○ 96052
 EX080RAH24A3 ● 96053
 EX080RAH24A4 ○ 96054
 EX080RAH24A5 ○ 96055
 EX080RAH24A6 ○ 96056



II 2GD EEx-de IIC LUCE LAMPEGGIANTE ANTIDEFLAGRANTE

EXPLOSION-PROOF FLASHING BEACON / FEU CLIGNOTANT ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINKLEUCHTE / LUZ INTERMITENTE ANTIDEFLAGRANTE

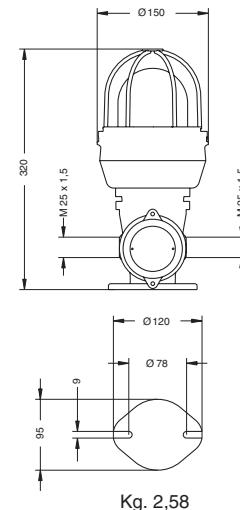
V 12-24-48-110-230/240 ($\pm 10\%$)	—	$\sim 50/60$ Hz	Flash/min. 110±20
IP 66	°C -25 +50	On	1 2 3 4 5 6 / PC

EX 050 OVO L

CESI 05 ATEX 043

T6

 BA 15d 5W	V---	12	24	48	-	-	-
	V~	-	24	48	110	230/240	
	mA	430	210	100	35	22	
	Cd (p)	3.6	2.7	2.7	2.3	2.3	
EX050OVOL12D1 ● 95101	EX050OVOL48D1 ● 95131	EX050OVOL230/240A1 ● 95161					
EX050OVOL12D2 ○ 95102	EX050OVOL48D2 ○ 95132	EX050OVOL230/240A2 ○ 95162					
EX050OVOL12D3 ● 95103	EX050OVOL48D3 ● 95133	EX050OVOL230/240A3 ● 95163					
EX050OVOL12D4 ○ 95104	EX050OVOL48D4 ○ 95134	EX050OVOL230/240A4 ○ 95164					
EX050OVOL12D5 ○ 95105	EX050OVOL48D5 ○ 95135	EX050OVOL230/240A5 ○ 95165					
EX050OVOL12D6 ○ 95106	EX050OVOL48D6 ○ 95136	EX050OVOL230/240A6 ○ 95166					
EX050OVOL24D1 ● 95111	EX050OVOL48A1 ● 95141						
EX050OVOL24D2 ○ 95112	EX050OVOL48A2 ○ 95142						
EX050OVOL24D3 ● 95113	EX050OVOL48A3 ● 95143						
EX050OVOL24D4 ○ 95114	EX050OVOL48A4 ○ 95144						
EX050OVOL24D5 ○ 95115	EX050OVOL48A5 ○ 95145						
EX050OVOL24D6 ○ 95116	EX050OVOL48A6 ○ 95146						
EX050OVOL24A1 ● 95121	EX050OVOL110A1 ● 95151						
EX050OVOL24A2 ○ 95122	EX050OVOL110A2 ○ 95152						
EX050OVOL24A3 ● 95123	EX050OVOL110A3 ● 95153						
EX050OVOL24A4 ○ 95124	EX050OVOL110A4 ○ 95154						
EX050OVOL24A5 ○ 95125	EX050OVOL110A5 ○ 95155						
EX050OVOL24A6 ○ 95126	EX050OVOL110A6 ○ 95156						



II 2GD EEx-de IIC LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI ANTIDEFLAGRANTE

EXPLOSION-PROOF LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON / FEU CLIGNOTANT (A LUMIERE FIXE) A LEDS INTEGREES ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

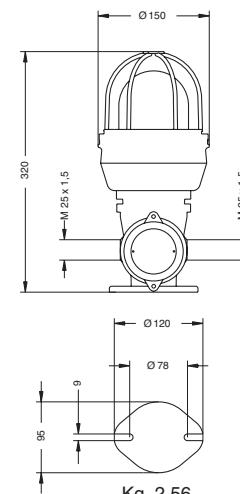
V 24-48-110-230/240 ($\pm 10\%$)	—	$\sim 50/60$ Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On	1 2 3 4 5 6 / PC

EX 050 LD 125 OVO

CESI 05 ATEX 043

T6

	V ---	24	48	-	-	-	-
	V			110	230/240		
	mA	90	65	20	20		
EX050LD125OVO24DA1 ● 95221	EX050LD125OVO110A1 ● 95241						
EX050LD125OVO24DA2 ○ 95222	EX050LD125OVO110A2 ○ 95242						
EX050LD125OVO24DA3 ● 95223	EX050LD125OVO110A3 ● 95243						
EX050LD125OVO24DA4 ○ 95224	EX050LD125OVO110A4 ○ 95244						
EX050LD125OVO24DA5 ○ 95225	EX050LD125OVO110A5 ○ 95245						
EX050LD125OVO24DA6 ○ 95226	EX050LD125OVO110A6 ○ 95246						
EX050LD125OVO48DA1 ● 95231	EX050LD125OVO230/240A1 ● 95251						
EX050LD125OVO48DA2 ○ 95232	EX050LD125OVO230/240A2 ○ 95252						
EX050LD125OVO48DA3 ● 95233	EX050LD125OVO230/240A3 ● 95253						
EX050LD125OVO48DA4 ○ 95234	EX050LD125OVO230/240A4 ○ 95254						
EX050LD125OVO48DA5 ○ 95235	EX050LD125OVO230/240A5 ○ 95255						
EX050LD125OVO48DA6 ○ 95236	EX050LD125OVO230/240A6 ○ 95256						





II 2GD EEx-de IIC LUCE LAMPEGGIANTE ANTIDEFLAGRANTE

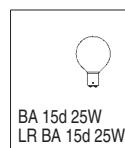
EXPLOSION-PROOF FLASHING BEACON / FEU CLIGNOTANT ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINKLEUCHTE / LUZ INTERMITENTE ANTIDEFLAGRANTE

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	Flash/min. 110±20
IP 66	°C -25 +50	On ∞	1 2 3 4 5 6 / PC

EX 070 MF L

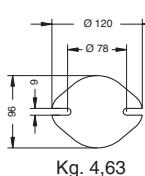
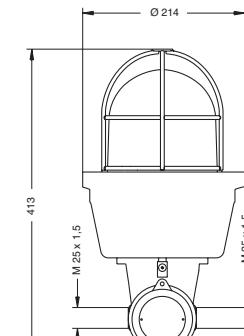
CESI 05 ATEX 043

T6



BA 15d 25W
LR BA 15d 25W

EX070MFL12D1 ● 95291	EX070MFL48D1 ● 95321	EX070MFL230/240A1 ● 95351
EX070MFL12D2 ○ 95292	EX070MFL48D2 ○ 95322	EX070MFL230/240A2 ○ 95352
EX070MFL12D3 ● 95293	EX070MFL48D3 ● 95323	EX070MFL230/240A3 ● 95353
EX070MFL12D4 ○ 95294	EX070MFL48D4 ○ 95324	EX070MFL230/240A4 ○ 95354
EX070MFL12D5 ○ 95295	EX070MFL48D5 ○ 95325	EX070MFL230/240A5 ○ 95355
EX070MFL12D6 ○ 95296	EX070MFL48D6 ○ 95326	EX070MFL230/240A6 ○ 95356
EX070MFL24D1 ● 95301	EX070MFL48A1 ● 95331	
EX070MFL24D2 ○ 95302	EX070MFL48A2 ○ 95332	
EX070MFL24D3 ● 95303	EX070MFL48A3 ● 95333	
EX070MFL24D4 ○ 95304	EX070MFL48A4 ○ 95334	
EX070MFL24D5 ○ 95305	EX070MFL48A5 ○ 95335	
EX070MFL24D6 ○ 95306	EX070MFL48A6 ○ 95336	
EX070MFL24A1 ● 95311	EX070MFL110A1 ● 95341	
EX070MFL24A2 ○ 95312	EX070MFL110A2 ○ 95342	
EX070MFL24A3 ● 95313	EX070MFL110A3 ● 95343	
EX070MFL24A4 ○ 95314	EX070MFL110A4 ○ 95344	
EX070MFL24A5 ○ 95315	EX070MFL110A5 ○ 95345	
EX070MFL24A6 ○ 95316	EX070MFL110A6 ○ 95346	



Kg. 4,63



II 2GD EEx-de IIC LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI ANTIDEFLAGRANTE

EXPLOSION-PROOF LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON / FEU CLIGNOTANT (A LUMIERE FIXE) A LEDS INTEGREES ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On ∞	1 2 3 4 5 6 / PC

EX 070 LD 365 MN

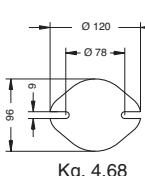
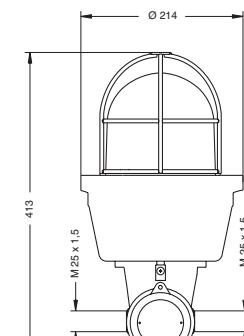
CESI 05 ATEX 043

T6



V ---	24	48	-	-	-
V ~			110	230/240	
● ○ ○	mA 180	170	40	40	
○ ○ ○	mA 170	180	40	40	

EX070LD365MN24DA1 ● 95411	EX070LD365MN110A1 ● 95431
EX070LD365MN24DA2 ○ 95412	EX070LD365MN110A2 ○ 95432
EX070LD365MN24DA3 ● 95413	EX070LD365MN110A3 ● 95433
EX070LD365MN24DA4 ○ 95414	EX070LD365MN110A4 ○ 95434
EX070LD365MN24DA5 ○ 95415	EX070LD365MN110A5 ○ 95435
EX070LD365MN24DA6 ○ 95416	EX070LD365MN110A6 ○ 95436
EX070LD365MN48DA1 ● 95421	EX070LD365MN230/240A1 ● 95441
EX070LD365MN48DA2 ○ 95422	EX070LD365MN230/240A2 ○ 95442
EX070LD365MN48DA3 ● 95423	EX070LD365MN230/240A3 ● 95443
EX070LD365MN48DA4 ○ 95424	EX070LD365MN230/240A4 ○ 95444
EX070LD365MN48DA5 ○ 95425	EX070LD365MN230/240A5 ○ 95445
EX070LD365MN48DA6 ○ 95426	EX070LD365MN230/240A6 ○ 95446



Kg. 4,68

  II 2GD EEx-de IIC LUCE LAMPEGGIANTE ANTIDEFLAGRANTE

EXPLOSION-PROOF FLASHING BEACON / FEU CLIGNANT ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTzte BLINKLEUCHTE / LUZ INTERMITENTE ANTIDEFLAGRANTE

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	Flash/min. 110±20
IP 66	°C -25 +50	On	 1 2 3 4 5 6 PC

EX 070 MAF L

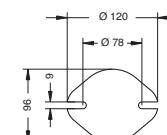
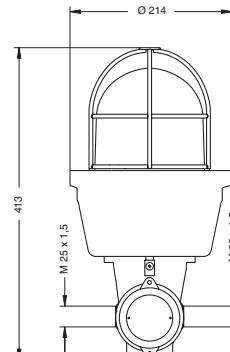
CESI 05 ATEX 043

T6



BA 15d 25W
LR BA 15d 25W

EX070MAFL12D1 ● 95481	EX070MAFL48D1 ● 95511	EX070MAFL230/240A1 ● 95541
EX070MAFL12D2 ○ 95482	EX070MAFL48D2 ○ 95512	EX070MAFL230/240A2 ○ 95542
EX070MAFL12D3 ● 95483	EX070MAFL48D3 ● 95513	EX070MAFL230/240A3 ● 95543
EX070MAFL12D4 ○ 95484	EX070MAFL48D4 ● 95514	EX070MAFL230/240A4 ○ 95544
EX070MAFL12D5 ○ 95485	EX070MAFL48D5 ○ 95515	EX070MAFL230/240A5 ○ 95545
EX070MAFL12D6 ○ 95486	EX070MAFL48D6 ○ 95516	EX070MAFL230/240A6 ○ 95546
EX070MAFL24D1 ● 95491	EX070MAFL48A1 ● 95521	
EX070MAFL24D2 ○ 95492	EX070MAFL48A2 ○ 95522	
EX070MAFL24D3 ● 95493	EX070MAFL48A3 ● 95523	
EX070MAFL24D4 ○ 95494	EX070MAFL48A4 ○ 95524	
EX070MAFL24D5 ○ 95495	EX070MAFL48A5 ○ 95525	
EX070MAFL24D6 ○ 95496	EX070MAFL48A6 ○ 95526	
EX070MAFL24A1 ● 95501	EX070MAFL110A1 ● 95531	
EX070MAFL24A2 ○ 95502	EX070MAFL110A2 ○ 95532	
EX070MAFL24A3 ● 95503	EX070MAFL110A3 ● 95533	
EX070MAFL24A4 ○ 95504	EX070MAFL110A4 ○ 95534	
EX070MAFL24A5 ○ 95505	EX070MAFL110A5 ○ 95535	
EX070MAFL24A6 ○ 95506	EX070MAFL110A6 ○ 95536	



Kg. 4,68

EX 070 LD 455 MX

CESI 05 ATEX 043 T6

V 24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On	 1 2 3 4 5 6 PC

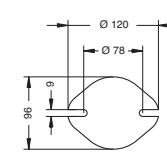
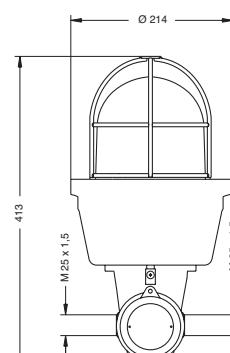


EX 070 LD 455 MX

CESI 05 ATEX 043

T6

V ---	24	48	-	-	-
V			110	230/240	
● ○ ○	mA	180	170	40	40
EX070LD455MX24DA1 ● 95601			EX070LD455MX110A1 ● 95621		
EX070LD455MX24DA2 ○ 95602			EX070LD455MX110A2 ○ 95622		
EX070LD455MX24DA3 ● 95603			EX070LD455MX110A3 ● 95623		
EX070LD455MX24DA4 ○ 95604			EX070LD455MX110A4 ○ 95624		
EX070LD455MX24DA5 ○ 95605			EX070LD455MX110A5 ○ 95625		
EX070LD455MX24DA6 ○ 95606			EX070LD455MX110A6 ○ 95626		
EX070LD455MX48DA1 ● 95611			EX070LD455MX230/240A1 ● 95631		
EX070LD455MX48DA2 ○ 95612			EX070LD455MX230/240A2 ○ 95632		
EX070LD455MX48DA3 ● 95613			EX070LD455MX230/240A3 ● 95633		
EX070LD455MX48DA4 ○ 95614			EX070LD455MX230/240A4 ○ 95634		
EX070LD455MX48DA5 ○ 95615			EX070LD455MX230/240A5 ○ 95635		
EX070LD455MX48DA6 ○ 95616			EX070LD455MX230/240A6 ○ 95636		



Kg. 4,73



II 2GD EEx-de IIC LUCE LAMPEGGIANTE ANTIDEFLAGRANTE

EXPLOSION-PROOF FLASHING BEACON / FEU CLIGNANT ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINKLEUCHTE / LUZ INTERMITENTE ANTIDEFLAGRANTE

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	Flash/min. 110±20
IP 66	°C -25 +50	On	1 2 3 4 5 6 PC

EX 080 BABY L

CESI 05 ATEX 043 T6

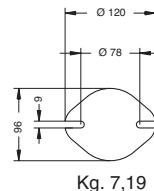
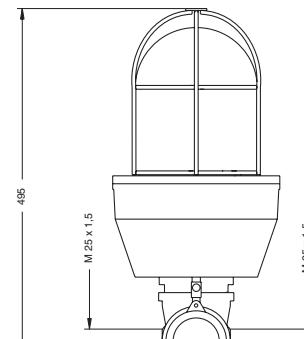


	V ---	12	24	48	-	-	-
BA 15d 25W	V	-	24	48	110	230/240	
LR BA 15d 25W	A	2.2	1.1	0.52	0.22	0.11	
	Cd (p)	90	63	54	67	72	

EX080BABYL12D1 ● 95741	EX080BABYL48D1 ● 95771	EX080BABYL230/240A1 ● 95801
EX080BABYL12D2 ○ 95742	EX080BABYL48D2 ○ 95772	EX080BABYL230/240A2 ○ 95802
EX080BABYL12D3 ● 95743	EX080BABYL48D3 ● 95773	EX080BABYL230/240A3 ● 95803
EX080BABYL12D4 ● 95744	EX080BABYL48D4 ● 95774	EX080BABYL230/240A4 ● 95804
EX080BABYL12D5 ○ 95745	EX080BABYL48D5 ○ 95775	EX080BABYL230/240A5 ○ 95805
EX080BABYL12D6 ○ 95746	EX080BABYL48D6 ○ 95776	EX080BABYL230/240A6 ○ 95806

EX080BABYL24D1 ● 95751	EX080BABYL48A1 ● 95781
EX080BABYL24D2 ○ 95752	EX080BABYL48A2 ○ 95782
EX080BABYL24D3 ● 95753	EX080BABYL48A3 ● 95783
EX080BABYL24D4 ● 95754	EX080BABYL48A4 ● 95784
EX080BABYL24D5 ○ 95755	EX080BABYL48A5 ● 95785
EX080BABYL24D6 ○ 95756	EX080BABYL48A6 ○ 95786

EX080BABYL24A1 ● 95761	EX080BABYL110A1 ● 95791
EX080BABYL24A2 ○ 95762	EX080BABYL110A2 ○ 95792
EX080BABYL24A3 ● 95763	EX080BABYL110A3 ● 95793
EX080BABYL24A4 ● 95764	EX080BABYL110A4 ● 95794
EX080BABYL24A5 ○ 95765	EX080BABYL110A5 ○ 95795
EX080BABYL24A6 ○ 95766	EX080BABYL110A6 ○ 95796



II 2GD EEx-de IIC LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI ANTIDEFLAGRANTE

EXPLOSION-PROOF LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON / FEU CLIGNANT (A LUMIERE FIXE) A LEDS INTEGREES ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED/ LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On	1 2 3 4 5 6 PC

EX 080 LD 365 BABY

CESI 05 ATEX 043 T6



V ---	24	48	-	-	-
V			110	230/240	
● ● ○	mA	180	170	40	40
○ ○ ○	mA	170	180	40	40

EX080LD365BABY24DA1 ● 95861
EX080LD365BABY24DA2 ○ 95862
EX080LD365BABY24DA3 ● 95863
EX080LD365BABY24DA4 ● 95864
EX080LD365BABY24DA5 ○ 95865
EX080LD365BABY24DA6 ○ 95866

EX080LD365BABY48DA1 ● 95871
EX080LD365BABY48DA2 ○ 95872
EX080LD365BABY48DA3 ● 95873
EX080LD365BABY48DA4 ● 95874
EX080LD365BABY48DA5 ○ 95875
EX080LD365BABY48DA6 ○ 95876

EX080LD365BABY110A1 ● 95881

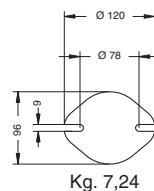
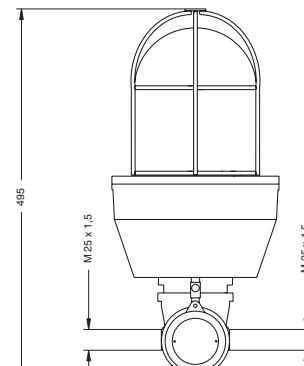
EX080LD365BABY110A2 ○ 95882

EX080LD365BABY110A3 ● 95883

EX080LD365BABY110A4 ● 95884

EX080LD365BABY110A5 ○ 95885

EX080LD365BABY110A6 ○ 95886



CE Ex II 2GD EEx-de IIC LUCE LAMPEGGIANTE ANTIDEFLAGRANTE



EXPLOSION-PROOF FLASHING BEACON / FEU CLIGNANT ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZE BLINKLEUCHTE / LUZ INTERMITENTE ANTIDEFLAGRANTE

V 12-24-48-110-230/240 ($\pm 10\%$)	—	$\sim 50/60$ Hz	Flash/min. 110±20
H1: 12-24	—	—	—
IP 66	°C -25 +50	On	1 2 3 4 5 6 PC



EX 080 LA L

CESI 05 ATEX 043

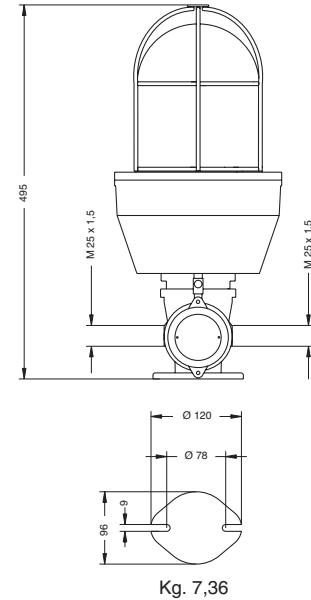
T6

	V ==	12	24	48	-	-	-
BA 15d 40W	V	—	24	48	110	230/240	
LR BA 15d 40W	A	3.4	1.7	0.83	0.36	0.17	
	Cd (p)	720	900	720	67	135	

EX080LAL12D1 ● 96061	EX080LAL48D1 ● 96091	EX080LAL230/240A1 ● 96121
EX080LAL12D2 ○ 96062	EX080LAL48D2 ○ 96092	EX080LAL230/240A2 ○ 96122
EX080LAL12D3 ● 96063	EX080LAL48D3 ● 96093	EX080LAL230/240A3 ● 96123
EX080LAL12D4 ● 96064	EX080LAL48D4 ● 96094	EX080LAL230/240A4 ● 96124
EX080LAL12D5 ○ 96065	EX080LAL48D5 ○ 96095	EX080LAL230/240A5 ○ 96125
EX080LAL12D6 ○ 96066	EX080LAL48D6 ○ 96096	EX080LAL230/240A6 ○ 96126

EX080LAL24D1 ● 96071	EX080LAL48A1 ● 96101	EX080LAL24D2 ○ 96072	EX080LAL48A2 ○ 96102
EX080LAL24D3 ● 96073	EX080LAL48A3 ● 96103	EX080LAL24D4 ○ 96074	EX080LAL48A4 ○ 96104
EX080LAL24D5 ○ 96075	EX080LAL48A5 ○ 96105	EX080LAL24D6 ○ 96076	EX080LAL48A6 ○ 96106

EX080LAL24A1 ● 96081	EX080LAL110A1 ● 96111	EX080LAL24A2 ○ 96082	EX080LAL110A2 ● 96112
EX080LAL24A3 ● 96083	EX080LAL110A3 ● 96113	EX080LAL24A4 ○ 96084	EX080LAL110A4 ● 96114
EX080LAL24A5 ○ 96085	EX080LAL110A5 ○ 96115	EX080LAL24A6 ○ 96086	EX080LAL110A6 ○ 96116



EX 080 LA L H

	V ==	12	24					
H1 12V 55W LR H 55W 12	V	12	24					
H1 24V 70W LR H 70W 24	A	4.6	2.9					
	Cd (p)	720	720					

CE Ex II 2GD EEx-de IIC LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI ANTIDEFLAGRANTE

EXPLOSION-PROOF LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON / FEU CLIGNANT (A LUMIERE FIXE) A LEDS INTEGREGES ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTZE BLINK-(DAUERLICHT)- LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 ($\pm 10\%$)	—	$\sim 50/60$ Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On	1 2 3 4 5 6 PC



EX 080 LD 455 LA

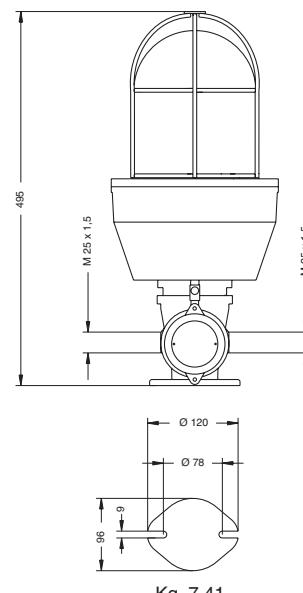
CESI 05 ATEX 043

T6

	V ==	24	48	-	-	-
	V	—	110	230/240		
● ○ ○	mA	180	170	40	40	
○ ○ ○	mA	170	170	40	40	

EX080LD455LA24DA1 ● 96221	EX080LD455LA110A1 ● 96241
EX080LD455LA24DA2 ○ 96222	EX080LD455LA110A2 ○ 96242
EX080LD455LA24DA3 ● 96223	EX080LD455LA110A3 ● 96243
EX080LD455LA24DA4 ○ 96224	EX080LD455LA110A4 ○ 96244
EX080LD455LA24DA5 ○ 96225	EX080LD455LA110A5 ○ 96245
EX080LD455LA24DA6 ○ 96226	EX080LD455LA110A6 ○ 96246

EX080LD455LA48DA1 ● 96231	EX080LD455LA230/240A1 ● 96251
EX080LD455LA48DA2 ○ 96232	EX080LD455LA230/240A2 ○ 96252
EX080LD455LA48DA3 ● 96233	EX080LD455LA230/240A3 ● 96253
EX080LD455LA48DA4 ○ 96234	EX080LD455LA230/240A4 ○ 96254
EX080LD455LA48DA5 ○ 96235	EX080LD455LA230/240A5 ○ 96255
EX080LD455LA48DA6 ○ 96236	EX080LD455LA230/240A6 ○ 96256





II 2GD EEx-de IIC LUCE LAMPEGGIANTE ANTIDEFLAGRANTE

EXPLOSION-PROOF FLASHING BEACON / FEU CLIGNOTANT ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINKLEUCHTE / LUZ INTERMITENTE ANTIDEFLAGRANTE

V 12-24-48-110-230/240 ($\pm 10\%$) H1: 12-24	---	$\sim 50/60$ Hz	Flash/min. 110±20
IP 66	$^{\circ}\text{C}$ -25 +50	On ∞	1 2 3 4 5 6 PC M25x1.5*



EX 0100 STL L

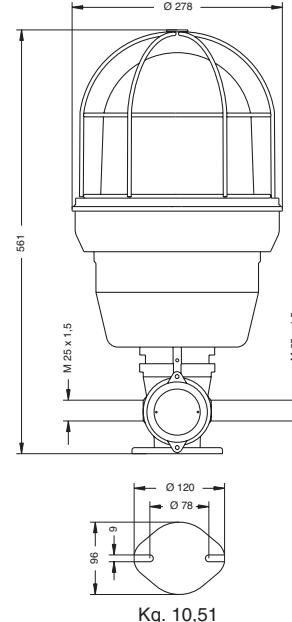
CESI 05 ATEX 043 T6

BA 15s 45W	12	24	48	-	-	-
LR BA 15s 45W	12	24	48	110	230/240	
E14 40W \sim	3.8	1.9	0.9	0.36	0.18	
LR E14s 40W	540	405	270	220	220	

EX0100STLL12D1 ● 96371	EX0100STLL24A1 ● 96401	EX0100STLL110A1 ● 96431
EX0100STLL12D2 ○ 96372	EX0100STLL24A2 ○ 96402	EX0100STLL110A2 ○ 96432
EX0100STLL12D3 ● 96373	EX0100STLL24A3 ● 96403	EX0100STLL110A3 ● 96433
EX0100STLL12D4 ○ 96374	EX0100STLL24A4 ○ 96404	EX0100STLL110A4 ○ 96434
EX0100STLL12D5 ○ 96375	EX0100STLL24A5 ○ 96405	EX0100STLL110A5 ○ 96435
EX0100STLL12D6 ○ 96376	EX0100STLL24A6 ○ 96406	EX0100STLL110A6 ○ 96436

EX0100STLL12A1 ● 96381	EX0100STLL48D1 ● 96411	EX0100STLL230/240A1 ● 96441
EX0100STLL12A2 ○ 96382	EX0100STLL48D2 ○ 96412	EX0100STLL230/240A2 ○ 96442
EX0100STLL12A3 ● 96383	EX0100STLL48D3 ○ 96413	EX0100STLL230/240A3 ○ 96443
EX0100STLL12A4 ○ 96384	EX0100STLL48D4 ○ 96414	EX0100STLL230/240A4 ○ 96444
EX0100STLL12A5 ○ 96385	EX0100STLL48D5 ○ 96415	EX0100STLL230/240A5 ○ 96445
EX0100STLL12A6 ○ 96386	EX0100STLL48D6 ○ 96416	EX0100STLL230/240A6 ○ 96446

EX0100STLL24D1 ● 96391	EX0100STLL48A1 ● 96421	EX0100STLL230/240A1 ● 96441
EX0100STLL24D2 ○ 96392	EX0100STLL48A2 ○ 96422	EX0100STLL230/240A2 ○ 96442
EX0100STLL24D3 ● 96393	EX0100STLL48A3 ● 96423	EX0100STLL230/240A3 ● 96443
EX0100STLL24D4 ○ 96394	EX0100STLL48A4 ○ 96424	EX0100STLL230/240A4 ○ 96444
EX0100STLL24D5 ○ 96395	EX0100STLL48A5 ○ 96425	EX0100STLL230/240A5 ○ 96445
EX0100STLL24D6 ○ 96396	EX0100STLL48A6 ○ 96426	EX0100STLL230/240A6 ○ 96446



EX 0100 STL L H

V ---	12	24	EX0100STLLH12D1 ● 96451	EX0100STLLH12A1 ● 96461	EX0100STLLH24D1 ● 96471
V \sim	12	24	EX0100STLLH12D2 ○ 96452	EX0100STLLH12A2 ○ 96462	EX0100STLLH24D2 ○ 96472
A	4.6	2.9	EX0100STLLH12D3 ● 96453	EX0100STLLH12A3 ● 96463	EX0100STLLH24D3 ○ 96473
Cd (p)	990	990	EX0100STLLH12D4 ○ 96454	EX0100STLLH12A4 ○ 96464	EX0100STLLH24D4 ○ 96474

EX0100STLLH24A1 ● 96481	EX0100STLLH24A2 ○ 96482	EX0100STLLH24A3 ○ 96483
EX0100STLLH24A4 ○ 96484	EX0100STLLH24A5 ○ 96485	EX0100STLLH24A6 ○ 96486

II 2GD EEx-de IIC LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI ANTIDEFLAGRANTE

EXPLOSION-PROOF LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON / FEU CLIGNOTANT (A LUMIERE FIXE) A LEDS INTEGREGES ANTIDEFLAGRANT / EXPLOSIONSGESCHÜTzte BLINK-(DAUERLICHT-) LEUCHE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	Flash/min. 0-150±20
IP 66	$^{\circ}\text{C}$ -25 +50	On ∞	1 2 3 4 5 6 PC M25x1.5*



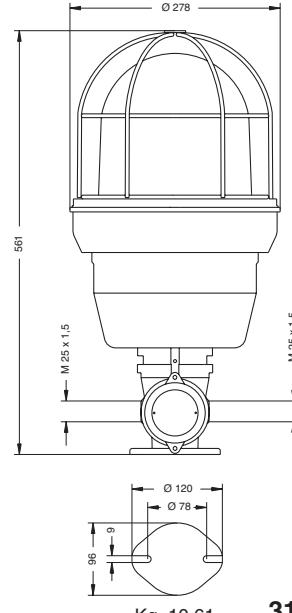
EX 0100 LD 865 STB

CESI 05 ATEX 043 T6

V ---	24	48	-	-	-
V \sim			110	230/240	
mA	190	170	60	60	
mA	450	180	60	60	

EX0100LD865STB24DA1 ● 96501	EX0100LD865STB110A1 ● 96521
EX0100LD865STB24DA2 ○ 96502	EX0100LD865STB110A2 ○ 96522
EX0100LD865STB24DA3 ● 96503	EX0100LD865STB110A3 ● 96523
EX0100LD865STB24DA4 ○ 96504	EX0100LD865STB110A4 ○ 96524
EX0100LD865STB24DA5 ○ 96505	EX0100LD865STB110A5 ○ 96525
EX0100LD865STB24DA6 ○ 96506	EX0100LD865STB110A6 ○ 96526

EX0100LD865STB48DA1 ● 96511	EX0100LD865STB230/240A1 ● 96531
EX0100LD865STB48DA2 ○ 96512	EX0100LD865STB230/240A2 ○ 96532
EX0100LD865STB48DA3 ● 96513	EX0100LD865STB230/240A3 ● 96533
EX0100LD865STB48DA4 ○ 96514	EX0100LD865STB230/240A4 ○ 96534
EX0100LD865STB48DA5 ○ 96515	EX0100LD865STB230/240A5 ○ 96535
EX0100LD865STB48DA6 ○ 96516	EX0100LD865STB230/240A6 ○ 96536





II 2GD EEx-de IIC LUCI FISSE ANTIDEFLAGRANTI

EXPLOSION-PROOF CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE ANTIDEFLAGRANTS / EXPLOSIONSGESCHÜTZE DAUERLEUCHTEN / LUCES FIJAS ANTIDEFLAGRANTES

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz
IP 66	$^{\circ}\text{C}$ -25 +50	On



1 2 3 4 5 6 PC M25x1.5*



EX 050 OVO F **

CESI 05 ATEX 043

T6

BA 15d 5W LR BA 15d 5W	V ---	12	24	48	110	230/240
	V	430	210	100	35	22
Cd (p)	3.6	2.7	2.7	2.3	2.3	

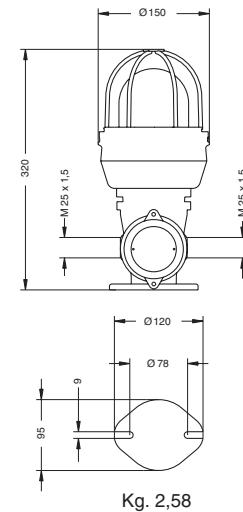
EX050OVF12DA1 ● 95171
EX050OVF12DA2 ○ 95172
EX050OVF12DA3 ● 95173
EX050OVF12DA4 ○ 95174
EX050OVF12DA5 ○ 95175
EX050OVF12DA6 ○ 95176

EX050OVF110DA1 ● 95201
EX050OVF110DA2 ○ 95202
EX050OVF110DA3 ● 95203
EX050OVF110DA4 ○ 95204
EX050OVF110DA5 ○ 95205
EX050OVF110DA6 ○ 95206

EX050OVF24DA1 ● 95181
EX050OVF24DA2 ○ 95182
EX050OVF24DA3 ● 95183
EX050OVF24DA4 ○ 95184
EX050OVF24DA5 ○ 95185
EX050OVF24DA6 ○ 95186

EX050OVF230/240DA1 ● 95211
EX050OVF230/240DA2 ○ 95212
EX050OVF230/240DA3 ● 95213
EX050OVF230/240DA4 ○ 95214
EX050OVF230/240DA5 ○ 95215
EX050OVF230/240DA6 ○ 95216

EX050OVF48DA1 ● 95191
EX050OVF48DA2 ○ 95192
EX050OVF48DA3 ● 95193
EX050OVF48DA4 ○ 95194
EX050OVF48DA5 ○ 95195
EX050OVF48DA6 ○ 95196



** Disponibile versione a LED integrati (vedere pagina 314)
LED integrated version available (see page 314)
Disponible version à LEDS intégrées (voir page 314)
Ausführung mit integrierten LED lieferbar (siehe Seite 314)
Disponible versión de LED'S integrados (ver página 314)

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz
IP 66	$^{\circ}\text{C}$ -25 +50	On



1 2 3 4 5 6 PC M25x1.5*



EX 070 MF F **

CESI 05 ATEX 043

T6

BA 15d 25W LR BA 15d 25W	V ---	12	24	48	110	230/240
	V	2.1	1.1	0.52	0.22	0.11
Cd (p)	135	180	240	27	40	

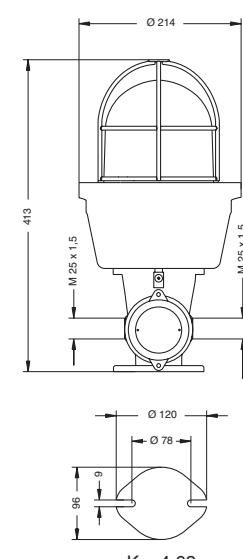
EX070MFF12DA1 ● 95361
EX070MFF12DA2 ○ 95362
EX070MFF12DA3 ● 95363
EX070MFF12DA4 ○ 95364
EX070MFF12DA5 ○ 95365
EX070MFF12DA6 ○ 95366

EX070MFF110DA1 ● 95391
EX070MFF110DA2 ○ 95392
EX070MFF110DA3 ● 95393
EX070MFF110DA4 ○ 95394
EX070MFF110DA5 ○ 95395
EX070MFF110DA6 ○ 95396

EX070MFF24DA1 ● 95371
EX070MFF24DA2 ○ 95372
EX070MFF24DA3 ● 95373
EX070MFF24DA4 ○ 95374
EX070MFF24DA5 ○ 95375
EX070MFF24DA6 ○ 95376

EX070MFF230/240DA1 ● 95401
EX070MFF230/240DA2 ○ 95402
EX070MFF230/240DA3 ● 95403
EX070MFF230/240DA4 ○ 95404
EX070MFF230/240DA5 ○ 95405
EX070MFF230/240DA6 ○ 95406

EX070MFF48DA1 ● 95381
EX070MFF48DA2 ○ 95382
EX070MFF48DA3 ● 95383
EX070MFF48DA4 ○ 95384
EX070MFF48DA5 ○ 95385
EX070MFF48DA6 ○ 95386



** Disponibile versione a LED integrati (vedere pagina 315)
LED integrated version available (see page 315)
Disponible version à LEDS intégrées (voir page 315)
Ausführung mit integrierten LED lieferbar (siehe Seite 315)
Disponible versión de LED'S integrados (ver página 315)



II 2GD EEx-de IIC LUCI FISSE ANTIDEFLAGRANTI

EXPLOSION-PROOF CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE ANTIDEFLAGRANTS / EXPLOSIONSGESCHÜTZE DAUERLEUCHTEN / LUCES FIJAS ANTIDEFLAGRANTES

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz
IP 66	$^{\circ}\text{C}$ -25 +50 On	1 2 3 4 5 6 PC M25x1.5*



EX 070 MAF F **

CESI 05 ATEX 043

T6

BA 15d 25W LR BA 15d 25W	V ---	12	24	48	110	230/240
	V					
	A	2.1	1.1	0.52	0.22	0.11
	Cd (p)	121	126	126	18	27

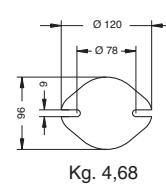
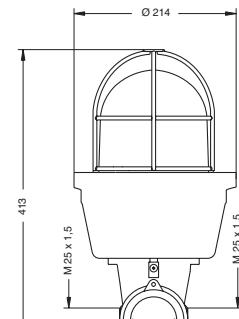
EX070MAFF12DA1 ● 95551
EX070MAFF12DA2 ○ 95552
EX070MAFF12DA3 ● 95553
EX070MAFF12DA4 ○ 95554
EX070MAFF12DA5 ○ 95555
EX070MAFF12DA6 ○ 95556

EX070MAFF110DA1 ● 95581
EX070MAFF110DA2 ○ 95582
EX070MAFF110DA3 ● 95583
EX070MAFF110DA4 ○ 95584
EX070MAFF110DA5 ○ 95585
EX070MAFF110DA6 ○ 95586

EX070MAFF24DA1 ● 95561
EX070MAFF24DA2 ○ 95562
EX070MAFF24DA3 ● 95563
EX070MAFF24DA4 ○ 95564
EX070MAFF24DA5 ○ 95565
EX070MAFF24DA6 ○ 95566

EX070MAFF230/240DA1 ● 95591
EX070MAFF230/240DA2 ○ 95592
EX070MAFF230/240DA3 ● 95593
EX070MAFF230/240DA4 ○ 95594
EX070MAFF230/240DA5 ○ 95595
EX070MAFF230/240DA6 ○ 95596

EX070MAFF48DA1 ● 95571
EX070MAFF48DA2 ○ 95572
EX070MAFF48DA3 ● 95573
EX070MAFF48DA4 ○ 95574
EX070MAFF48DA5 ○ 95575
EX070MAFF48DA6 ○ 95576



Kg. 4,68

** Disponibile versione a LED integrati (vedere pagina 316)
LED integrated version available (see page 316)
Disponible version à LEDS intégrées (voir page 316)
Ausführung mit integrierten LED lieferbar (siehe Seite 316)
Disponible versión de LED'S integrados (ver página 316)

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz
IP 66	$^{\circ}\text{C}$ -25 +50 On	1 2 3 4 5 6 PC M25x1.5*



EX 080 BABY F **

CESI 05 ATEX 043

T6

BA 15d 25W LR BA 15d 25W	V ---	12	24	48	110	230/240
	V					
	A	2.1	1.1	0.52	0.22	0.11
	Cd (p)	90	63	54	67	72

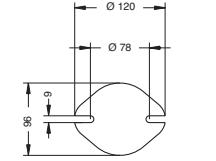
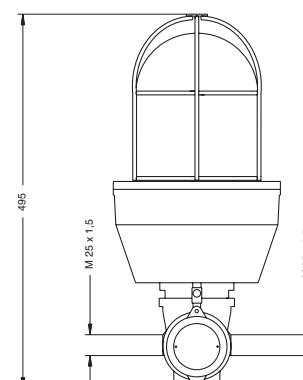
EX080BABYF12DA1 ● 95811
EX080BABYF12DA2 ○ 95812
EX080BABYF12DA3 ● 95813
EX080BABYF12DA4 ○ 95814
EX080BABYF12DA5 ○ 95815
EX080BABYF12DA6 ○ 95816

EX080BABYF110DA1 ● 95841
EX080BABYF110DA2 ○ 95842
EX080BABYF110DA3 ● 95843
EX080BABYF110DA4 ○ 95844
EX080BABYF110DA5 ○ 95845
EX080BABYF110DA6 ○ 95846

EX080BABYF24DA1 ● 95821
EX080BABYF24DA2 ○ 95822
EX080BABYF24DA3 ● 95823
EX080BABYF24DA4 ○ 95824
EX080BABYF24DA5 ○ 95825
EX080BABYF24DA6 ○ 95826

EX080BABYF230/240DA1 ● 95851
EX080BABYF230/240DA2 ○ 95852
EX080BABYF230/240DA3 ● 95853
EX080BABYF230/240DA4 ○ 95854
EX080BABYF230/240DA5 ○ 95855
EX080BABYF230/240DA6 ○ 95856

EX080BABYF48DA1 ● 95831
EX080BABYF48DA2 ○ 95832
EX080BABYF48DA3 ● 95833
EX080BABYF48DA4 ○ 95834
EX080BABYF48DA5 ○ 95835
EX080BABYF48DA6 ○ 95836



Kg. 7,19

** Disponibile versione a LED integrati (vedere pagina 317)
LED integrated version available (see page 317)
Disponible version à LEDS intégrées (voir page 317)
Ausführung mit integrierten LED lieferbar (siehe Seite 317)
Disponible versión de LED'S integrados (ver página 317)



II 2GD EEx-de IIC LUCI FISSE ANTIDEFLAGRANTI

EXPLOSION-PROOF CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE ANTIDEFLAGRANTS / EXPLOSIONSGESCHÜTZE DAUERLEUCHTEN / LUCES FIJAS ANTIDEFLAGRANTES

V 12-24-48-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz
IP 66	$^{\circ}\text{C}$ -25 +50	On



M25x1.5*



EX 080 LA F **

CESI 05 ATEX 043

T6

	V ---	12	24	48	110	230/240
V						
A		3.3	1.65	0.83	0.36	0.17
Cd (p)		720	900	720	67	135

BA 15d 40W
LR BA 15d 40W

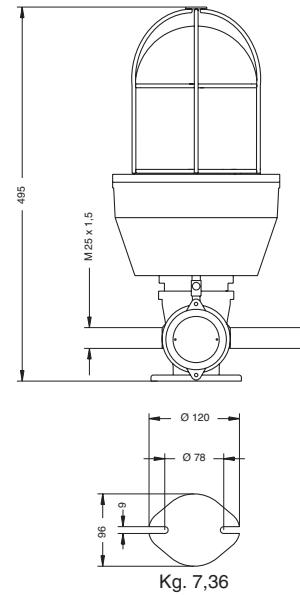
EX080LAF12DA1 ● 96171
EX080LAF12DA2 ○ 96172
EX080LAF12DA3 ● 96173
EX080LAF12DA4 ○ 96174
EX080LAF12DA5 ○ 96175
EX080LAF12DA6 ○ 96176

EX080LAF24DA1 ● 96181
EX080LAF24DA2 ○ 96182
EX080LAF24DA3 ● 96183
EX080LAF24DA4 ○ 96184
EX080LAF24DA5 ○ 96185
EX080LAF24DA6 ○ 96186

EX080LAF48DA1 ● 96191
EX080LAF48DA2 ○ 96192
EX080LAF48DA3 ● 96193
EX080LAF48DA4 ○ 96194
EX080LAF48DA5 ○ 96195
EX080LAF48DA6 ○ 96196

EX080LAF110DA1 ● 96201
EX080LAF110DA2 ○ 96202
EX080LAF110DA3 ● 96203
EX080LAF110DA4 ○ 96204
EX080LAF110DA5 ○ 96205
EX080LAF110DA6 ○ 96206

EX080LAF230/240DA1 ● 96211
EX080LAF230/240DA2 ○ 96212
EX080LAF230/240DA3 ● 96213
EX080LAF230/240DA4 ○ 96214
EX080LAF230/240DA5 ○ 96215
EX080LAF230/240DA6 ○ 96216



** Disponibile versione a LED integrati (vedere pagina 318)
LED integrated version available (see page 318)
Disponible version à LEDS intégrées (voir page 318)
Ausführung mit integrierten LED lieferbar (siehe Seite 318)
Disponible versión de LED'S integrados (ver página 318)

V 230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz
IP 66	$^{\circ}\text{C}$ -25 +50	On



M25x1.5*



EX 0100 STL F **

CESI 05 ATEX 043

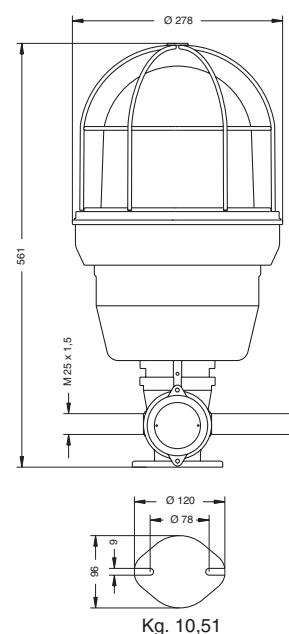
T4

	V ---	230/240
V		
A		0.45
Cd (p)		630

Disponibile in tutte le altre tensioni: codici a richiesta
All other voltages available: part nos. on request
Toute autre tension disponible sur demande avec codes
Alle andere Spannungen lieferbar: Artikel-Nr. auf Anfrage
Todas otras tensiones disponibles bajo petición con códigos

EX0100STLF230/240A1 ● 96491
EX0100STLF230/240A2 ○ 96492
EX0100STLF230/240A3 ● 96493
EX0100STLF230/240A4 ○ 96494
EX0100STLF230/240A5 ○ 96495
EX0100STLF230/240A6 ○ 96496

** Disponibile versione a LED integrati (vedere pagina 319)
LED integrated version available (see page 319)
Disponible version à LEDS intégrées (voir page 319)
Ausführung mit integrierten LED lieferbar (siehe Seite 319)
Disponible versión de LED'S integrados (ver página 319)





II 2GD EEx-de IIC LAMPADE ANTIDEFLAGRANTI

EXPLOSION-PROOF LAMPS / LAMPES ANTIDEFLAGRANTES /
EXPLOSIONSGEŠÜTZTE LAMPEN / LÁMPARAS ANTIDEFLAGRANTES

V 230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz
IP 66	$^{\circ}\text{C}$ -25 +50	On ∞



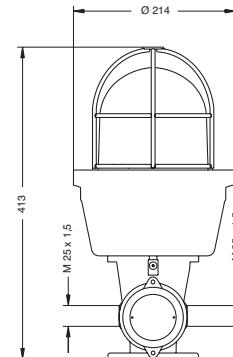
EX 070 LF 100

CESI 05 ATEX 043 T4

	v \sim	230/240
E 27 100W LR E 27 100W	A	0.45
	Cd (p)	90

Disponibile in tutte le altre tensioni: codici a richiesta
All other voltages available: part nos. on request
Toute autre tension disponible sur demande avec codes
Alle andere Spannungen lieferbar: Artikel-Nr. auf Anfrage
Todas otras tensiones disponibles bajo petición con códigos

EX070LF100230/240A6○95686



Kg. 4,38



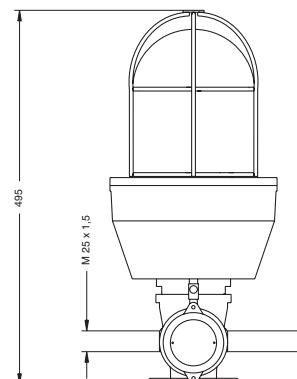
EX 080 LF 200

CESI 05 ATEX 043 T4

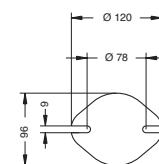
	v \sim	230/240
E 27 200W LR E 27 200W	A	0.9
	Cd (p)	180

Disponibile in tutte le altre tensioni: codici a richiesta
All other voltages available: part nos. on request
Toute autre tension disponible sur demande avec codes
Alle andere Spannungen lieferbar: Artikel-Nr. auf Anfrage
Todas otras tensiones disponibles bajo petición con códigos

EX080LF200230/240A6○96296



Kg. 6,77



M 25x1.5



II 2GD EEx-de IIC LAMPADE A LED ANTIDEFLAGRANTI

EXPLOSION-PROOF LED BULBS / AMPOULES A LEDS ANTIDEFLAGRANTES /
EXPLOSIONSGEŠÜTZTE LED LEUCHTMITTEL / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 ($\pm 10\%$)	$\sim 50/60$ Hz	IP 66	°C -25 +50	On	
M25x1.5*					

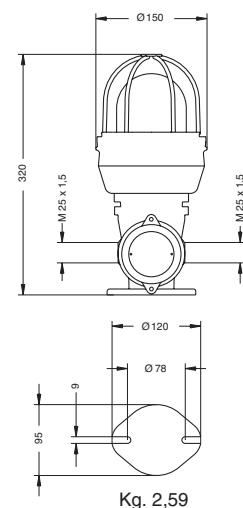


EX 050 LD SA 835

CESI 05 ATEX 043 | T6

V	230/240
mA	40
Cd (p) ●	22 (max) 7 (min)
W	9

EX050LDSA835230/240A3●96643

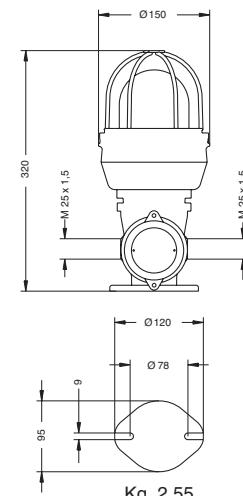


EX 050 LD SO 545

CESI 05 ATEX 043 | T6

V	230/240
mA	25
Cd (p) ●	22 (max) 7 (min)
W	6

EX050LDSO545230/240A3●96653



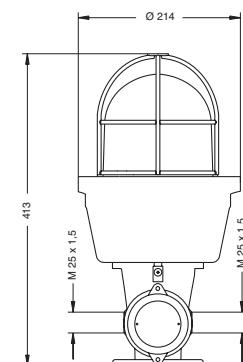
EX 070 LD SA 1195

CESI 05 ATEX 043 | T6

V	230/240
mA	35
Cd (p) ●	>10
W	7

EX070LDSA1195230/240A3●96663

SECONDO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SELON ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
NACH ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SEGÚN ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A





II 2GD EEx-de IIC LAMPADE A LED ANTIDEFLAGRANTI

EXPLOSION-PROOF LED BULBS / AMPOULES A LEDS ANTIDEFLAGRANTES /
EXPLOSIONSGEŠÜTZTE LED LEUCHTMITTEL / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 ($\pm 10\%$)	$\sim 50/60$ Hz	IP 66	$^{\circ}\text{C}$ -25 +50	On	
M25x1.5*					



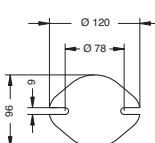
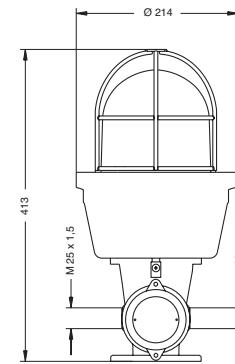
EX 070 LD SO 905

CESI 05 ATEX 043 T6

V	230/240
mA	22
Cd (p) ●	>10
W	5

EX070LDSO905230/240A3●96673

SECONDO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SELON ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
NACH ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SEGÚN ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A



Kg. 4,52



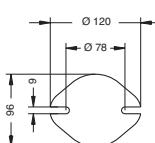
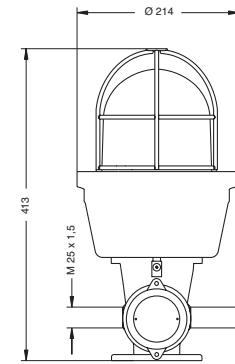
EX 070 LD SA 1395

CESI 05 ATEX 043 T6

V	230/240
mA	85
Cd (p) ●	>10
W	18.5

EX070LDSA1395230/240A3●96683

SECONDO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SELON ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
NACH ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SEGÚN ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A



Kg. 4,76



II 2GD EEx-de IIC LAMPADE A LED ANTIDEFLAGRANTI

EXPLOSION-PROOF LED BULBS / AMPOULES A LEDS ANTIDEFLAGRANTES /
EXPLOSIONSGE SCHÜTzte LED LEUCHTMittel / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 ($\pm 10\%$)	$\sim 50/60$ Hz	IP 66	$^{\circ}\text{C}$ -25 +50	On	
M25x1.5*					



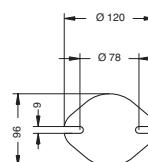
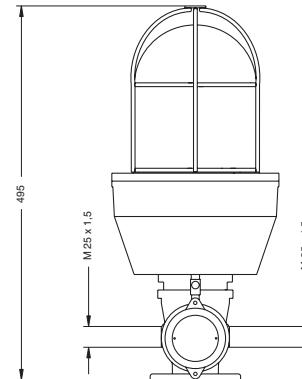
EX 080 LD SA 1995

CESI 05 ATEX 043 T6

V	230/240
mA	70
Cd (p) ●	>10
W	17

EX080LDSA1995230/240A3 ● 97003

SECONDO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SELON ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
NACH ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SEGÚN ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A



Kg. 7,18



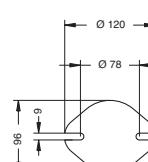
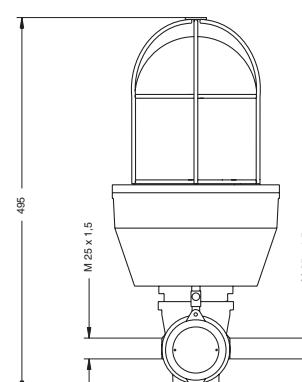
EX 080 LD SO 1505

CESI 05 ATEX 043 T6

V	230/240
mA	45
Cd (p) ●	>10
W	10

EX080LDSO1505230/240A3 ● 97013

SECONDO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SELON ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
NACH ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A
SEGÚN ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE A



Kg. 7,12



II 2GD EEx-de IIC LAMPADE A LED ANTIDEFLAGRANTI

EXPLOSION-PROOF LED BULBS / AMPOULES A LED'S ANTIDEFLAGRANTES /
EXPLOSIONSGE SCHÜTZE LED LEUCHTMittel / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 ($\pm 10\%$)	$\sim 50/60$ Hz	IP 66	$^{\circ}\text{C}$ -25 +50	On ∞	
M25x1.5*					

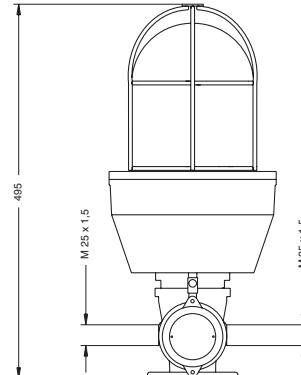


EX 080 LD SA 3185

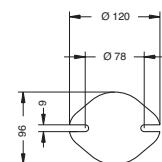
CESI 05 ATEX 043 T6

V \sim	230/240
mA	130
Cd (p) ●	>32
W	28.5

EX080LDSA3185230/240A3●97023



SECONDO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
SELON ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
NACH ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
SEGÚN ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B



Kg. 7,38

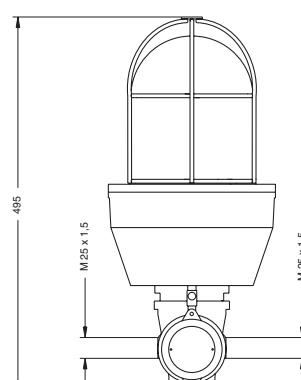


EX 080 LD SO 2105

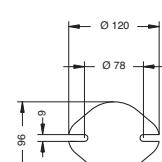
CESI 05 ATEX 043 T6

V \sim	230/240
mA	78
Cd (p) ●	>32
W	15

EX080LDSO2105230/240A3●97033



SECONDO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
ACCORDING TO ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
SELON ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
NACH ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B
SEGÚN ICAO ANNEX 14 CHAPTER 6 – LOW INTENSITY TYPE B



Kg. 7,28



II 2GD EEx-de IIC LUCI XENO ANTIDEFLAGRANTI

EXPLOSION-PROOF XENON FLASHING BEACONS / FEUX A ECLATS ANTIDEFLAGRANTS / EXPLOSIONSGESCHÜTZE BLITZLEUCHTEN / LUces DE DESTELLOS ANTIDEFLAGRANTES

V 24-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	J2	2F	Flash/min.	2x65±10
IP 66	°C -20 +40	On		1 2 3 4 5 6	PC	M25x1.5*



EX 050 OVO X

CESI 05 ATEX 043

T6

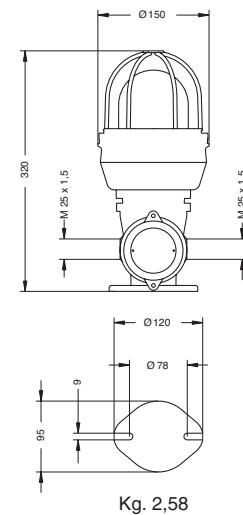
2F	V ---	24	-	-	-			
	V		110	230/240	mA	360	50	65
Cd (p)	180	68	135	90	32	270	100	225
	90		90	32	32	270	100	225

XENON 2J
LRX 2J

EX050OVOX24DA1 ● 95261
EX050OVOX24DA2 ○ 95262
EX050OVOX24DA3 ● 95263
EX050OVOX24DA4 ○ 95264
EX050OVOX24DA5 ○ 95265
EX050OVOX24DA6 ○ 95266

EX050OVOX110A1 ● 95271
EX050OVOX110A2 ○ 95272
EX050OVOX110A3 ● 95273
EX050OVOX110A4 ○ 95274
EX050OVOX110A5 ○ 95275
EX050OVOX110A6 ○ 95276

EX050OVOX230/240A1 ● 95281
EX050OVOX230/240A2 ○ 95282
EX050OVOX230/240A3 ● 95283
EX050OVOX230/240A4 ○ 95284
EX050OVOX230/240A5 ○ 95285
EX050OVOX230/240A6 ○ 95286



V 12÷24-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	J2	1F	Flash/min.	65±10
IP 66	°C -20 +40	On		1 2 3 4 5 6	PC	M25x1.5*



EX 070 XF

CESI 05 ATEX 043

T6

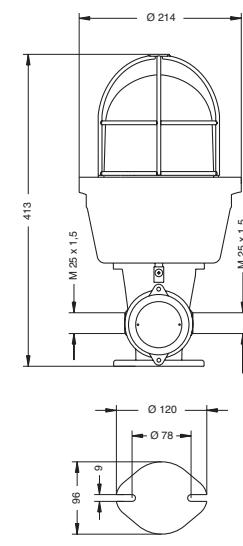
1F	V ---	12÷24		-	-	-		
	V	110	230/240	mA	500	440	80	43
Cd (p)	630	900	1170	1305	1305	1305	1305	1305
	900	1170	1305	1305	1305	1305	1305	1305

XENON 2J
LRX 2J

EX070XF12/24DA1 ● 95451
EX070XF12/24DA2 ○ 95452
EX070XF12/24DA3 ● 95453
EX070XF12/24DA4 ○ 95454
EX070XF12/24DA5 ○ 95455
EX070XF12/24DA6 ○ 95456

EX070XF110A1 ● 95461
EX070XF110A2 ○ 95462
EX070XF110A3 ● 95463
EX070XF110A4 ○ 95464
EX070XF110A5 ○ 95465
EX070XF110A6 ○ 95466

EX070XF230/240A1 ● 95471
EX070XF230/240A2 ○ 95472
EX070XF230/240A3 ● 95473
EX070XF230/240A4 ○ 95474
EX070XF230/240A5 ○ 95475
EX070XF230/240A6 ○ 95476





II 2GD EEx-de IIC LUCI XENO ANTIDEFLAGRANTI

EXPLOSION-PROOF XENON FLASHING BEACONS / FEUX A ECLATS ANTIDEFLAGRANTS / EXPLOSIONSGESCHÜTZTE BLITZLEUCHTEN / LUCES DE DESTELLOS ANTIDEFLAGRANTES

V 12÷24-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	J6	1F	Flash/min. 65±10
IP 66	°C -20 +40	On		1 2 3 4 5 6 PC	M25x1.5*



EX 070 MXF

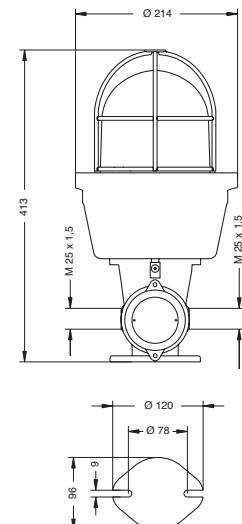
CESI 05 ATEX 043 T6

1F		V ---	12÷24		-	-	-
		V	110	230/240			
XENON 6J	LXR 6J	A	1.8	0.85	0.13	0.1	
		Cd (p)	2700	3600	1800	4500	

EX070MXF12/24DA1 ● 95641
EX070MXF12/24DA2 ○ 95642
EX070MXF12/24DA3 ● 95643
EX070MXF12/24DA4 ○ 95644
EX070MXF12/24DA5 ● 95645
EX070MXF12/24DA6 ○ 95646

EX070MXF110A1 ● 95651
EX070MXF110A2 ○ 95652
EX070MXF110A3 ● 95653
EX070MXF110A4 ○ 95654
EX070MXF110A5 ● 95655
EX070MXF110A6 ○ 95656

EX070MXF230/240A1 ● 95661
EX070MXF230/240A2 ○ 95662
EX070MXF230/240A3 ● 95663
EX070MXF230/240A4 ○ 95664
EX070MXF230/240A5 ● 95665
EX070MXF230/240A6 ○ 95666



V 10÷100	---	J1	1F	Flash/min. 60÷130
IP 66	°C -20 +40	On		2 PC M25x1.5*

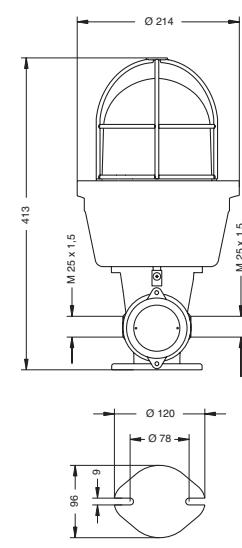
LUCE XENO ANTIDEFLAGRANTE MULTITENSIONE – MONOLAMPO
MULTI VOLTAGE XENON FLASHING BEACON – SINGLE FLASH / FEU A ECLATS MULTITENSION – SIMPLE ECLAT / MULTISPANNUNG – BLITZLEUCHTE – EINZELBLITZ / LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO

EX 070 MXF ELEV

CESI 05 ATEX 043 T6

1F		V ---	10÷100
		mA	50÷220
		Cd (p)	1620
XENON 1J	LXR 1J		

EX070MXFELE10/100D2 ○ 95672



V 12÷24-110÷240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	J3/9	2F	IP 66
°C -20 +40	On		1 2 3 4 5 6 PC		M25x1.5*



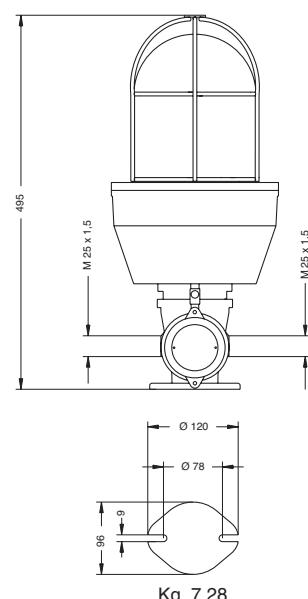
EX 080 BABY X

CESI 05 ATEX 043 T6

2F		V ---	12÷24		110÷230÷240		
		A ---	1.8	1.2	0.35	0.25	0.25
		V	12÷24		110÷230÷240		
		A	3	2	0.4	0.28	0.28
		Cd (p)	960 405	960 765	810 900	810 900	810 900
		Flash/min	95±5		65±5		

EX080BABYX12/24DA1 ● 95901
EX080BABYX12/24DA2 ○ 95902
EX080BABYX12/24DA3 ● 95903
EX080BABYX12/24DA4 ○ 95904
EX080BABYX12/24DA5 ● 95905
EX080BABYX12/24DA6 ○ 95906

EX080BABYX110/240DA1 ● 95911
EX080BABYX110/240DA2 ○ 95912
EX080BABYX110/240DA3 ● 95913
EX080BABYX110/240DA4 ○ 95914
EX080BABYX110/240DA5 ● 95915
EX080BABYX110/240DA6 ○ 95916





II 2GD EEx-de IIC LUCI XENO ANTIDEFLAGRANTI

EXPLOSION-PROOF XENON FLASHING BEACONS / FEUX A ECLATS ANTIDEFLAGRANTS / EXPLOSIONSGESCHÜTZE BLITZLEUCHTEN / LUces DE DESTELLOS ANTIDEFLAGRANTES

V 12÷24-110÷240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	J3/9	2F
IP 66	$^{\circ}\text{C}$ -20 +40	On	1 2 3 4 5 6 / PC	M25x1.5*



EX 080 LA X

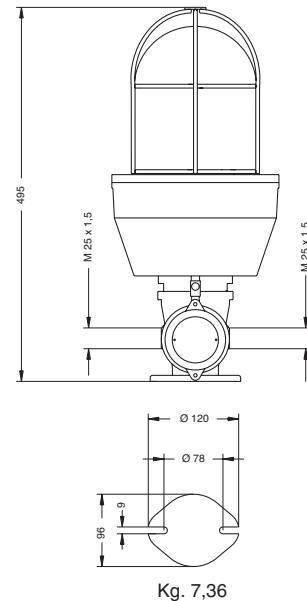
CESI 05 ATEX 043

T6

2F XENON 3-9J LRX 39J	V	---	12÷24	110÷230÷240		
	A	---	1.8	1.2	0.35	0.25
	V	12÷24	110÷230÷240			
	A	3	2	0.4	0.28	0.28
	Cd (p)	1890 720	1890 1440	1620 1800	1620 1800	1620 1800
	Flash/min	95±5	65±5			

EX080LAX12/24DA1 ● 96261
EX080LAX12/24DA2 ○ 96262
EX080LAX12/24DA3 ● 96263
EX080LAX12/24DA4 ● 96264
EX080LAX12/24DA5 ○ 96265
EX080LAX12/24DA6 ○ 96266

EX080LAX110/240DA1 ● 96271
EX080LAX110/240DA2 ○ 96272
EX080LAX110/240DA3 ● 96273
EX080LAX110/240DA4 ● 96274
EX080LAX110/240DA5 ○ 96275
EX080LAX110/240DA6 ○ 96276



V 12÷24-110-230/240 ($\pm 10\%$)	---	$\sim 50/60$ Hz	J15	1F	Flash/min. 65±10
IP 66	$^{\circ}\text{C}$ -20 +40	On	1 2 3 4 5 6 / PC	M25x1.5*	



EX 0100 STF

CESI 05 ATEX 043

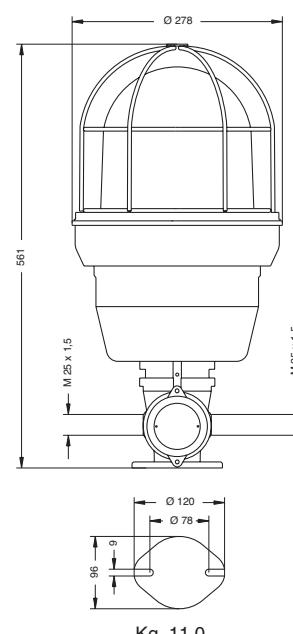
T6

1F XENON 15J LRX 15J	V	---	12÷24	-	-	-
	V	-	-	110	230/240	
	A	2.3	1.2	0.1	0.16	
	Cd (p)	19300	19800	4140	16200	

EX0100STF12/24D1 ● 96551
EX0100STF12/24D2 ○ 96552
EX0100STF12/24D3 ● 96553
EX0100STF12/24D4 ○ 96554
EX0100STF12/24D5 ○ 96555
EX0100STF12/24D6 ○ 96556

EX0100STF110A1 ● 96561
EX0100STF110A2 ○ 96562
EX0100STF110A3 ● 96563
EX0100STF110A4 ○ 96564
EX0100STF110A5 ○ 96565
EX0100STF110A6 ○ 96566

EX0100STF230/240A1 ● 96571
EX0100STF230/240A2 ○ 96572
EX0100STF230/240A3 ● 96573
EX0100STF230/240A4 ○ 96574
EX0100STF230/240A5 ○ 96575
EX0100STF230/240A6 ○ 96576



CE **II 2GD EEx-d IIC ANTIDEFLAGRANTI**

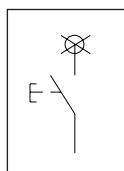
EXPLOSION-PROOF EMERGENCY SWITCHES / BOUTONS-POUSSOIRS ANTIDEFLAGRANTS / EXPLOSIONSGE SCHÜTZTE SICHERHEITSKÄSTEN / INTERRUPTORES DE EMERGENCIA ANTIDEFLAGRANTES

IP 66	°C -20 +40	On ∞	1" ISO 7/1
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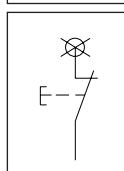


EX 025 PAG

CESI 05 ATEX 062 T6

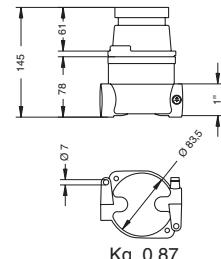


10A - 240V



10A - 240V

EX025PAG 96699

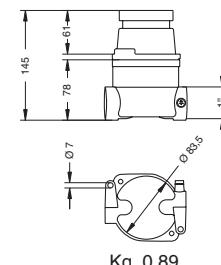


EX 035 PAG PCS

CESI 05 ATEX 062 T6

- Versione per utilizzo con linea SEO SEV PCS
- Version to be used with the SEO SEV PCS range
- Version pour emploi avec la ligne SEO SEV PCS
- Ausführung für Anwendungen mit der SEO SEV PCS Linie
- Versión para empleo con la línea SEO SEV PCS

EX035PAGPCS 96700



CE **II 2GD EEx-d IIC SPIA LUMINOSA ANTIDEFLAGRANTE**

EXPLOSION-PROOF WARNING LIGHT / VOYANT LUMINEUX ANTIDEFLAGRANT / EXPLOSIONSGE SCHÜTZTER LEUCHTMELDER / LÁMPARA PILOTO ANTIDEFLAGRANTE

V 12-24-48-110-230/240 ($\pm 10\%$)	---	~ 50/60 Hz
IP 66	°C -20 +40	On ∞



EX 045 LD PAG SP

CESI 05 ATEX 062 T6

LD 044 F BA9s	V ---	12	24	48	-	-
	V ~	110	230/240			
	mA	27	20	20	17	18

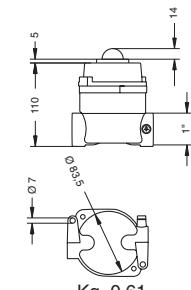
EX045LDPAGSP12DA1 ● 97051
EX045LDPAGSP12DA3 ● 97053
EX045LDPAGSP12DA4 ● 97054
EX045LDPAGSP12DA5 ● 97055
EX045LDPAGSP12DA6 ○ 97056

EX045LDPAGSP48DA1 ● 97071
EX045LDPAGSP48DA3 ● 97073
EX045LDPAGSP48DA4 ● 97074
EX045LDPAGSP48DA5 ● 97075
EX045LDPAGSP48DA6 ○ 97076

EX045LDPAGSP230/240A1 ● 97091
EX045LDPAGSP230/240A3 ● 97093
EX045LDPAGSP230/240A4 ● 97094
EX045LDPAGSP230/240A5 ● 97095
EX045LDPAGSP230/240A6 ○ 97096

EX045LDPAGSP24DA1 ● 97061
EX045LDPAGSP24DA3 ● 97063
EX045LDPAGSP24DA4 ● 97064
EX045LDPAGSP24DA5 ● 97065
EX045LDPAGSP24DA6 ○ 97066

EX045LDPAGSP110A1 ● 97081
EX045LDPAGSP110A3 ● 97083
EX045LDPAGSP110A4 ● 97084
EX045LDPAGSP110A5 ● 97085
EX045LDPAGSP110A6 ○ 97086





RICAMBI

SPARE PARTS / PIÈCES DE RECHANGE / ERSATZTEILE / REPUESTOS

VETRO + GRIGLIA + GHIERA per: / GLASS + GRID + RING for: / VERRE + GRILLE + COLLIER pour: /

GLAS + GITTER + RING für: / VIDRIO + REJILLA + COLLAR para:

EX 0100



VETRO per EX 025 PAG e EX 035 PAG PCS
GLASS for EX 025 PAG and EX 035 PAG PCS
VERRE pour EX 025 PAG et EX 035 PAG PCS
GLAS für EX 025 PAG und EX 035 PAG PCS
VIDRIO para EX 025 PAG y EX 035 PAG PCS

EX 015



EX 050



97120

EX 070



97121

EX 080



97122

97123

LAMPADE

BULBS / AMPOULES / LEUCHTMITTEL / LÁMPARAS

LR BA 9s



LRBA9S10W12	72761
LRBA9S10W24	72762
LRBA9S10W48	72763
LRBA9S10W110	72764
LRBA9S10W230	72765
LRBA9S10W240	72766

LR E14



LRE14S40W110	71615
LRE14S40W230	71616
LRE14S40W240	71617

LR BA 15d



LRBA15D5W12	70941
LRBA15D5W24	70942
LRBA15D5W48	70943
LRBA15D5W130	70944
LRBA15D5W240	70945



LR E27

LRE27100W230	27798
LRE27200W230	97130

LR BA 15s



LRBA15S45W12	71600
LRBA15S45W24	71601
LRBA15S45W48	71606



LRE14T25W5048	71663
LRE14T25W110	71625
LRE14T25W230	71623
LRE14T25W240	71640

LR H1



LR H1

LRH155W12	71602
LRH170W24	71603

LR XENO 1J



LRX1J	70912
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LR XENO 2J

LRX2J	71634
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LR XENO 6J

LRX6J1F	71639
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LR XENO 3-9J



LRX39J14F	72788
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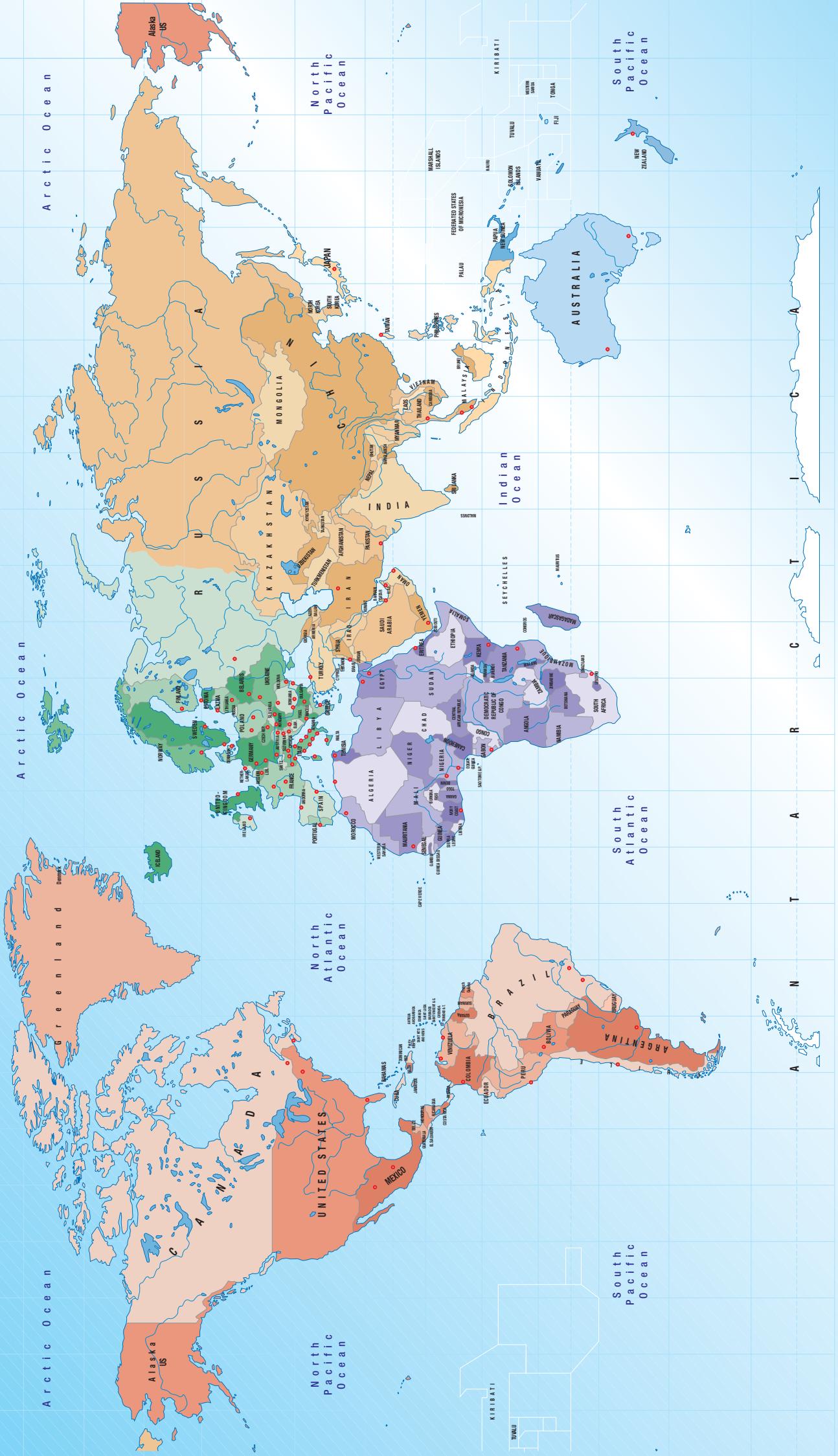
LR XENO 16J

LRX15-20J	71638
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CUPOLE RICAMBIO DISPONIBILI A RICHIESTA

SPARE DOMES AVAILABLE ON REQUEST / DOMES DE RECHANGE DISPONIBLES SUR DEMANDE / ERSATZHAUBEN AUF ANFRAGE
LIEFERBAR / CÚPULAS DE REPUESTO DISPONIBLES BAJO DEMANDA

SIRENA NEL MONDO - SIRENA IN THE WORLD - SIRENA DANS LE MONDE - SIRENA WELTWEIT - SIRENA EN EL MUNDO





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