

SIRENA

2008/2009





Linea acustica luminosa

Acoustic luminous range
Ligne acoustique lumineuse
Akustische und optische Linie
Línea acústica luminosa

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LED integrated luminous range
Ligne lumineuse à LEDS intégrées
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Ligne colonnes lumineuses
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LED bulbs range
Ligne ampoules à LEDS
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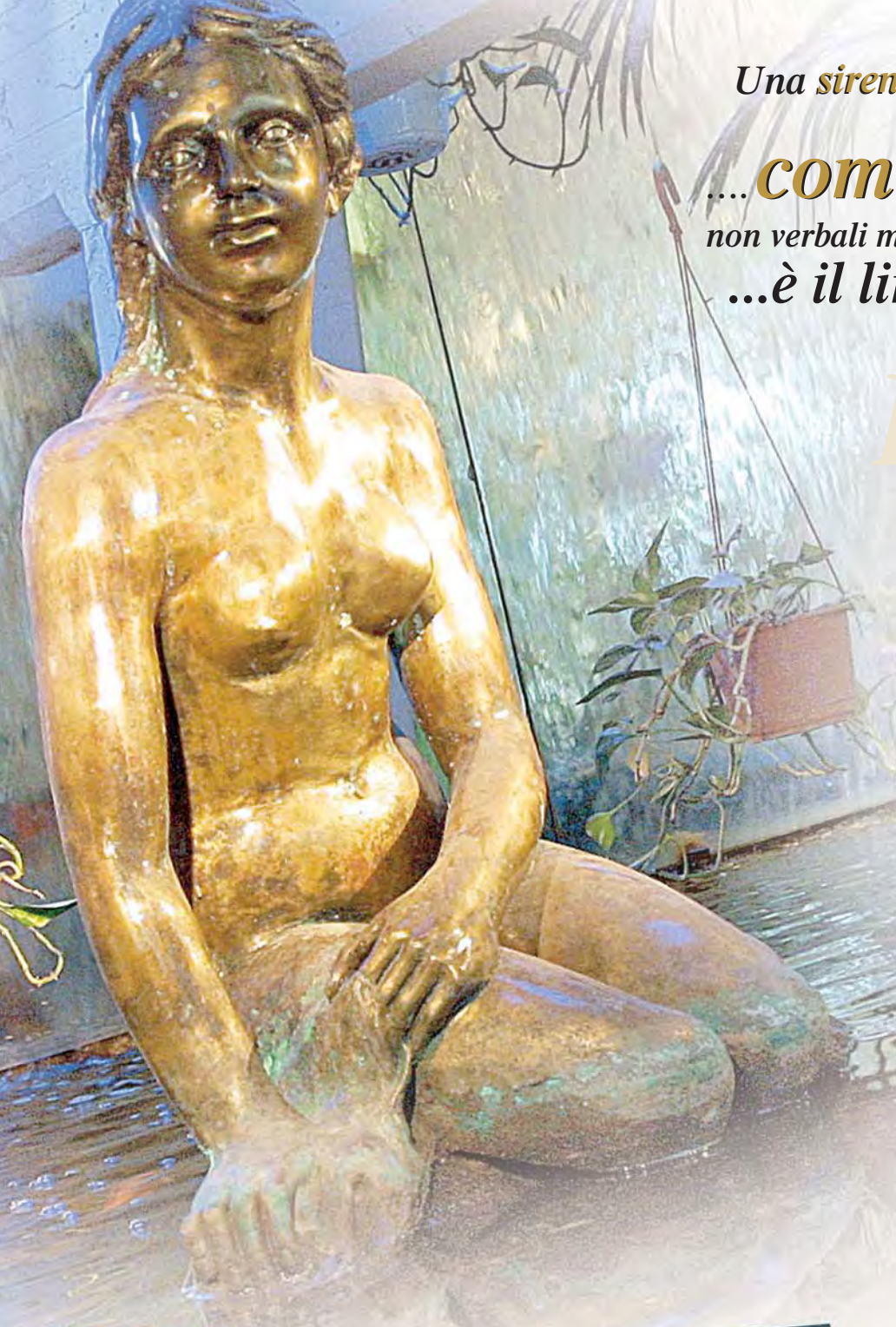
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Ligne EX-D
EX-D Linie
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Una **sirena** che suona,
una luce che lampeggia...
.... **comunicazioni**
non verbali ma comunque **efficaci**...
...è il linguaggio
della **segnalazione**.

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'automatisation, 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'automatisation et les panneaux électriques.

Prenons pour exemple les nouvelles colonnes lumineuses composables 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**.





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

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.

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 el del Primer Equipo automotriz.

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



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OBBLIGHI E RIFERIMENTI NORMATIVI

- 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 **maggiore 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 - pluritonalità)
- 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.



SPECIFICATIONS

- **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.

NORMES DE REFERENCE

- 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 ambiants 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 signifi-

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 habitue 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.

BEZUGSNORMEN

- 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 Umgebungsfaktoren 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 Umgebungsgerausches. 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 Umgebungsgerausches 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 magnetdynamischen 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.

REFERENCIAS NORMATIVAS

- 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, inequívocas 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 diferenciados 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, presenten 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.

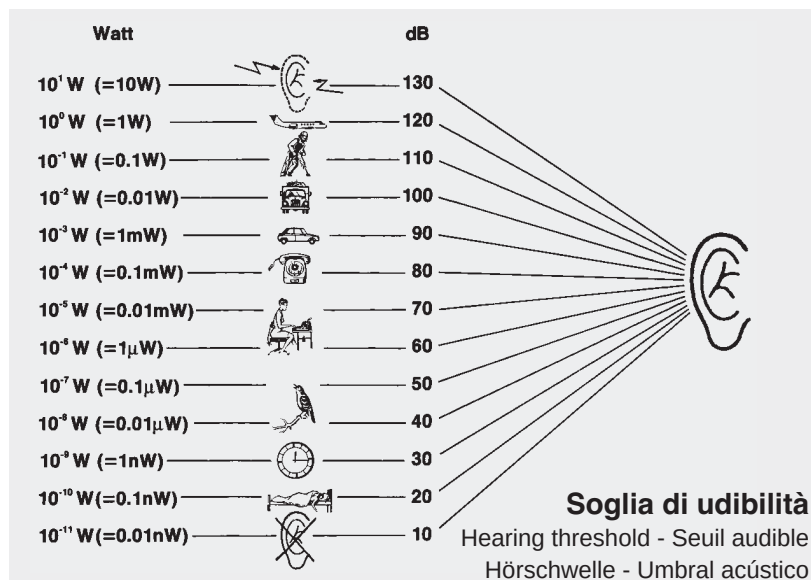
Decibel dB (1m) - Unità di misura per il livello sonoro

Decibel dB (1m) - Measurement of sound output

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

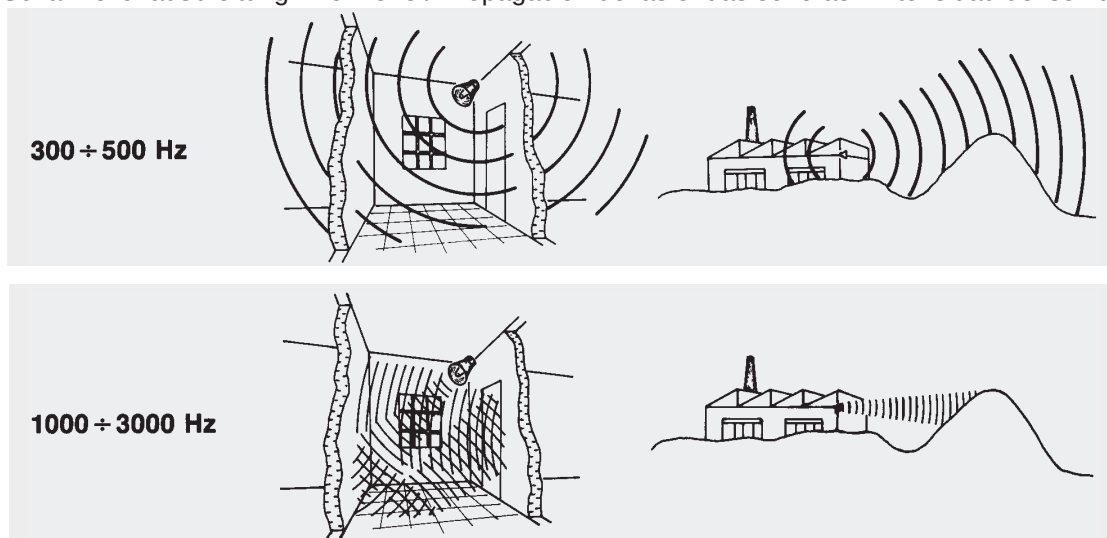
Decibel dB (1m) - Maßeinheit für den Schallpegel

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 - Distance - 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
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
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
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
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
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
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
50	=	36	41	46	51	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92
100		=	=	40	45	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86
200				=	39	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
300					=	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76
500						=	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
1000							=	=	=	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66
2000										=	=	=	38	40	42	44	46	48	50	52	54	56	58	60
3000													=	=	38	40	42	44	46	48	50	52	54	56
5000															=	=	38	40	42	44	46	48	50	52

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) (Candele 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:

		6	5	2	3	1	4
Luce trasmessa		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:

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

- 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".

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.

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 classer 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.

		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

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:

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

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

Ex. 10.000 Cd = 10.000 LUX à 1 m - 100 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.

LEITFADEN 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".

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

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

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

- 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.

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 16ª 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.

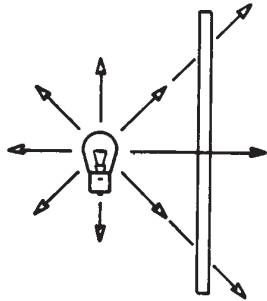
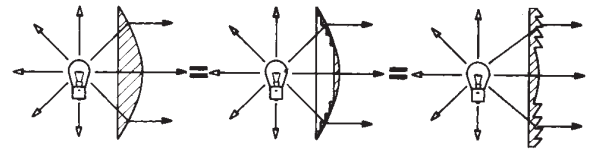
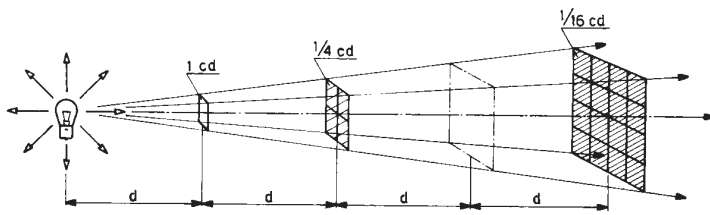
La **luz intermitente** tiene generalmente un tiempo superior de encendido de la lámpara con una intensidad luminosa no muy elevada. Su eficacia de señalización se consigue gracias a la iluminación completa, a 360°, de la superficie el tiempo en que está encendida.

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.

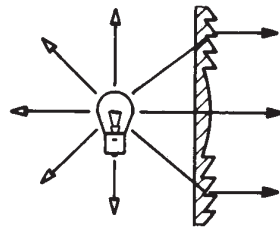
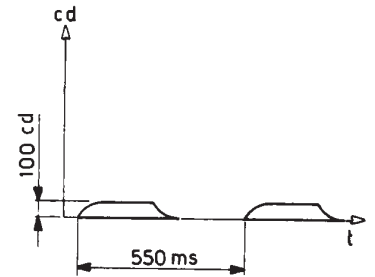
LA LUCE - THE LIGHT - LA LUMIERE - DAS LICHT - LA LUZ



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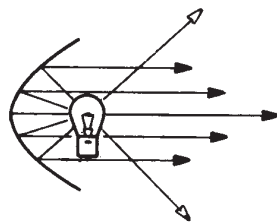
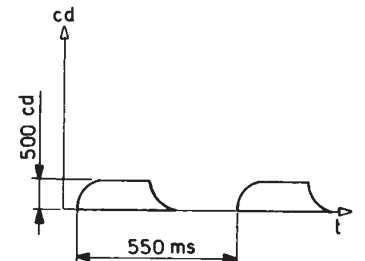
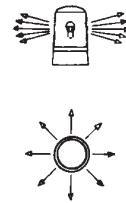
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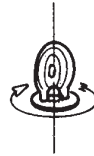
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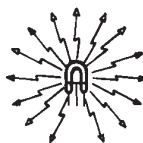
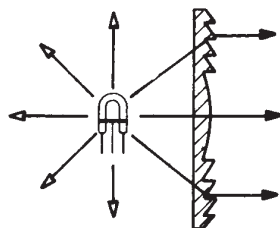
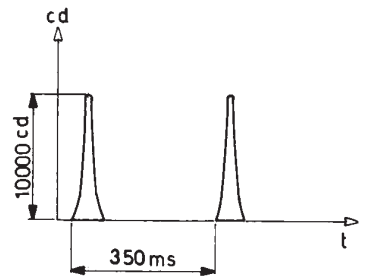
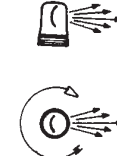
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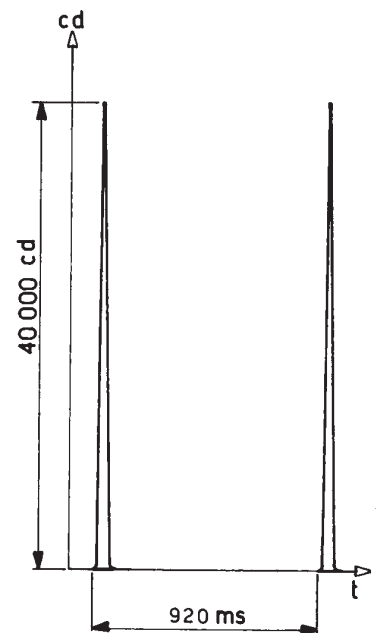
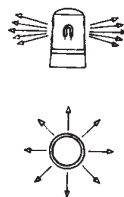
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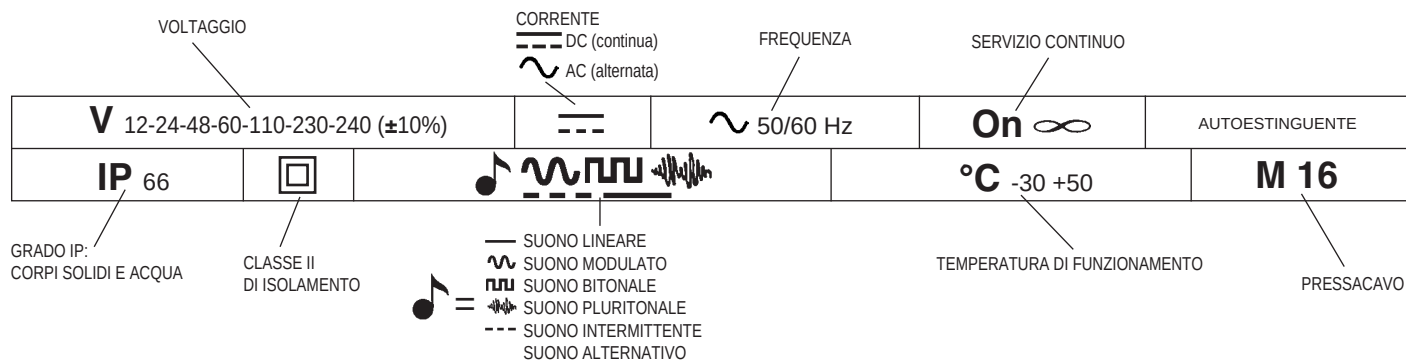
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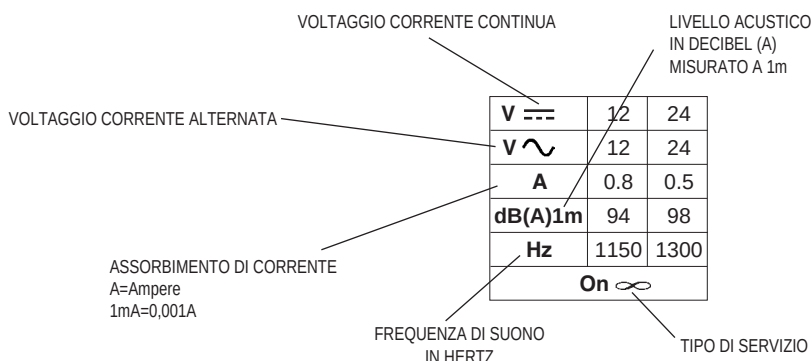


LINEA ACUSTICA: PRINCIPALI CARATTERISTICHE TECNICHE E FUNZIONALI DEI PRODOTTI

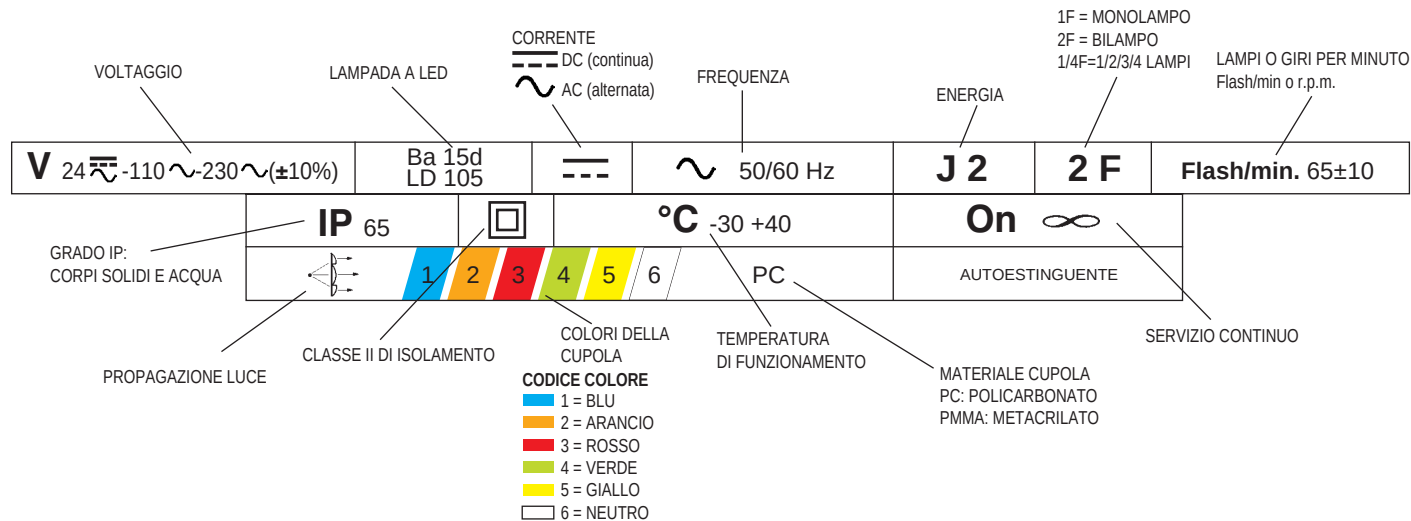
CODIFICA: es. **SCTBA24D**

D	= corrente continua	AT	= alta tensione
A	= corrente alternata	SL	= suono - luce
DA	= corrente continua e alternata	A	= con acustica
		BA	= basso assorbimento
		R	= retroquadro
		FCL	= fornito con lampada

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI



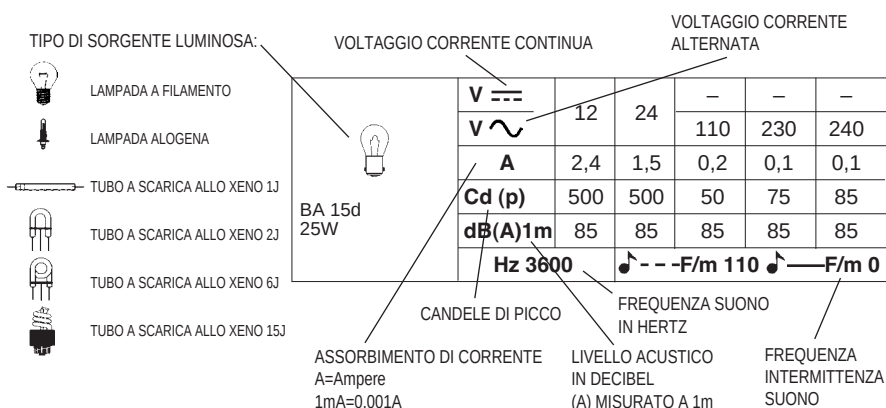
LINEA LUMINOSA: PRINCIPALI CARATTERISTICHE TECNICHE E FUNZIONALI DEI PRODOTTI



CODIFICA: es. MFNFMT12240DA1 →

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

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI



LEGEND

ACOUSTIC RANGE: MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS

VOLTAGE V 12-24-48-60-110-230-240 (±10%)	CURRENT DC AC	FREQUENCY ~ 50/60 Hz	CONTINUOUS OPERATION On ∞	SELF-EXTINGUISHING
IP RATING: SOLID BODIES AND WATER IP 66	INSULATION CLASS II		°C -30 +50 OPERATING TEMPERATURE RANGE	M 16 PRESSURE GLAND

SINGLE SOUND
 MODULATED SOUND
 BI-TONE SOUND
 MULTI-TONE SOUND
 INTERMITTENT SOUND
 ALTERNATIVE SOUND

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	V	12	24
ALTERNATING CURRENT VOLTAGE	V	12	24
	A	0.8	0.5
	dB(A)1m	94	98
	Hz	1150	1300
	On ∞		

SOUND OUTPUT IN DECIBEL (A) MEASURED AT 1m
 SOUND FREQUENCY IN HERTZ
 OPERATING TYPE
 CURRENT CONSUMPTION
 A=Ampere
 1mA=0,001A

LUMINOUS RANGE: MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS

VOLTAGE V 24 -110 ~230 (±10%)	LED BULB Ba 15d LD 105	CURRENT DC AC	FREQUENCY ~ 50/60 Hz	ENERGY J 2	1F = SINGLE FLASH 2F = DOUBLE FLASH 1/4F=1/2/3/4 FLASHES 2 F	FLASHES OR ROTATIONS PER MINUTE Flash/min or r.p.m. Flash/min. 65±10
IP RATING: SOLID BODIES AND WATER IP 65	INSULATION CLASS II		°C -30 +40 OPERATING TEMPERATURE RANGE	On ∞ SELF-EXTINGUISHING	CONTINUOUS OPERATION	

LIGHT DIFFUSION
 DOME COLOURS
 COLOUR CODE
 1 = BLUE
 2 = AMBER
 3 = RED
 4 = GREEN
 5 = YELLOW
 6 = CLEAR
 DOME MATERIAL
 PC: POLYCARBONATE
 PMMA: METHACRYLATE

CODIFICATION: e.g. MFNFMT12240DA1→

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

TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

TYPE OF LUMINOUS SOURCE	DIRECT CURRENT VOLTAGE	ALTERNATING CURRENT VOLTAGE			
FILAMENT BULB	V	12	24	—	—
HALOGEN BULB	V	12	24	110	230
XENON TUBE 1J	A	2,4	1,5	0,2	0,1
XENON TUBE 2J	Cd (p)	500	500	50	75
XENON TUBE 6J	dB(A)1m	85	85	85	85
XENON TUBE 15J	Hz 3600			-F/m 110	F/m 0

BA 15d 25W
 PEAK CANDELAS
 SOUND FREQUENCY IN HERTZ
 SOUND OUTPUT IN DECIBEL (A) MEASURED AT 1m
 SOUND INTERMITTENCE FREQUENCY
 CURRENT CONSUMPTION
 A=Ampere
 1mA=0,001A

LIGNE AC

V 12-24-48-60-110-230-240 (±10%)		COURANT DC (continu) AC (alternatif)		FREQUENCE 50/60 Hz		SERVICE CONTINU On		AUTO-EXTINGUIBLE	
IP 66					°C -30 +50		M 16		

TENSION
 FREQUENCE
 SERVICE CONTINU
 AUTO-EXTINGUIBLE
 DEGRE IP: CORPS SOLIDES ET EAU
 CLASSE II D'ISOLATION
 SON LINEAIRE
 SON MODULE
 SON BITONAL
 SON MULTITONAL
 SON INTERMITTENT
 SON ALTERNATIF
 TEMPERATURE DE FONCTIONNEMENT
 PRESSE-ETOUIPE

INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

V $\equiv$	12	24
V $\sim$	12	24
A	0.8	0.5
dB(A)1m	94	98
Hz	1150	1300
On ∞		

The diagram shows a lighting fixture label with the following specifications and symbols:

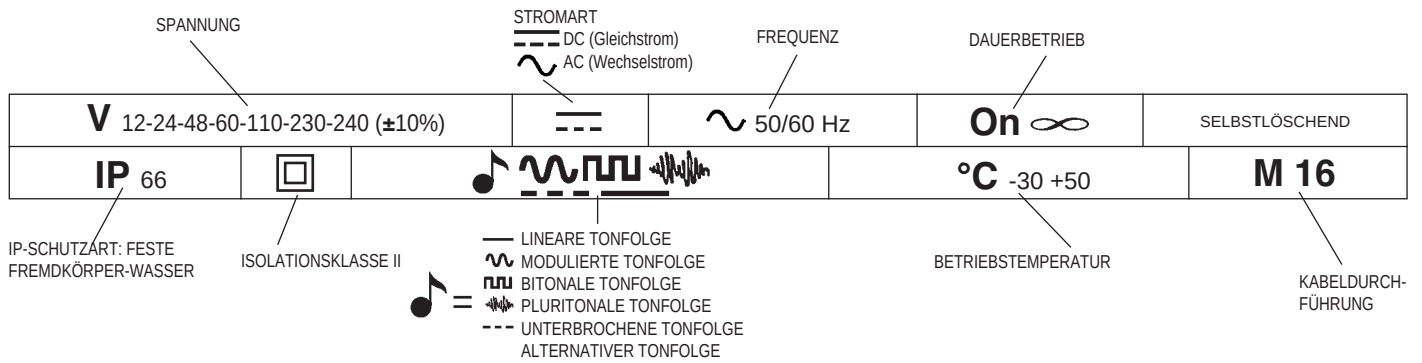
- TENSION:** V 24 $\overline{\sim}$ -110 $\sim$ 230 $\sim$ ($\pm 10\%$)
- AMPOULE A LED:** Ba 15d LD 105
- COURANT:** $\overline{\sim}$ DC (continu), $\sim$ AC (alternatif)
- FREQUENCE:** $\sim$ 50/60 Hz
- ENERGIE:** J 2
- ECLATS OU TOURS PAR MINUTE:** 2 F, Flash/min. 65 $\pm$ 10
- DEGRE IP: CORPS SOLIDES ET EAU:** IP 65
- CLASSE II D'ISOLATION:** $\square$
- COULEURS DU DOME:** 1 (Bleu), 2 (Orange), 3 (Rouge), 4 (Vert), 5 (Jaune), 6 (Transparent)
- TEMPERATURE DE FONCTIONNEMENT:** $^{\circ}\text{C}$ -30 +40
- MATERIAL DU DOME:** PC (Polycarbonate), PMMA (Méthacrylate)
- SERVICE CONTINU:** On ∞
- AUTO-EXTINGUIBLE:** ∞

INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

TYPE DE SOURCE LUMINEUSE	TENSION	COURANT CONTINU	TENSION COURANT ALTERNATIF				
 AMPOULE A FILAMENT	 BA 15d 25W	V 	12	24	—	—	—
 AMPOULE HALOGENE		V 			110	230	240
 TUBE AU XENON 1J		A	2,4	1,5	0,2	0,1	0,1
 TUBE AU XENON 2J		Cd (p)	500	500	50	75	85
 TUBE AU XENON 6J		dB(A)1m	85	85	85	85	85
 TUBE AU XENON 15J		Hz 3600			 F/m 110	 F/m 0	
		CANDELAS DE PIC			FREQUENCE DU SON EN HERTZ		FREQUENCE DE L'INTERMITTENCE DU SON
		CONSOMMATION DE COURANT A=Ampere 1mA=0.001A			NIVEAU DE PRESSION ACOUSTIQUE EN DECIBEL (A) MESURE A 1 m		

LEGENDE

AKUSTISCHE LINIE: TECHNISCHE UND FUNKTIONELLE HAUPTMERKMALE DER PRODUKTE



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	V ---	12	24
SPANNUNG WECHSELSTROM	V ~	12	24
	A	0.8	0.5
	dB(A)1m	94	98
	Hz	1150	1300
	On ∞		

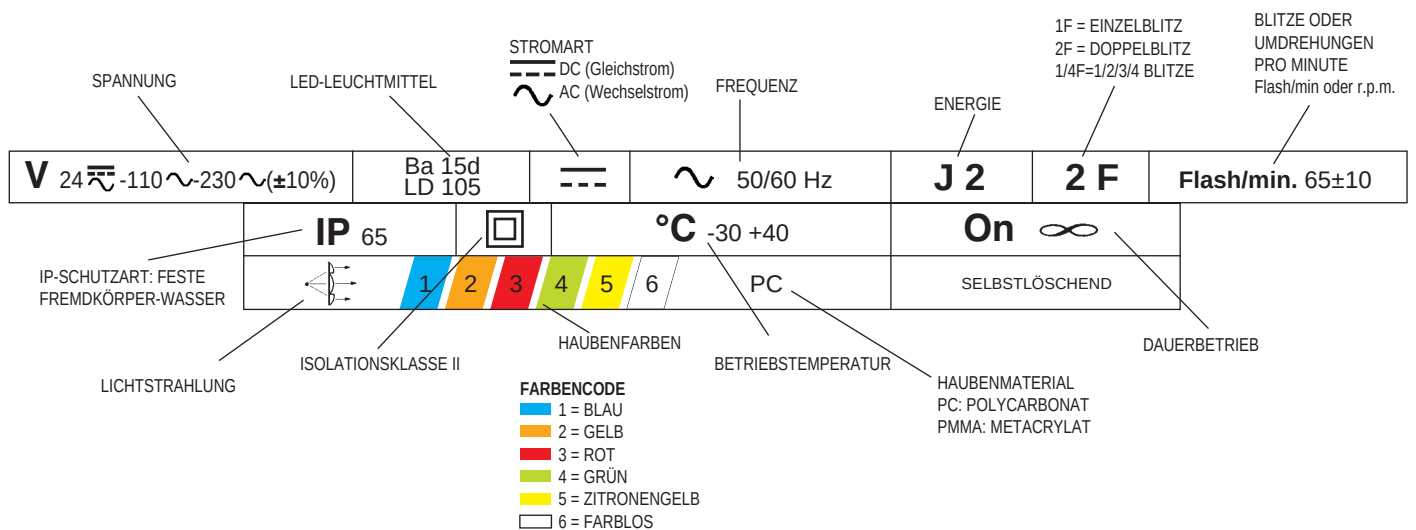
STROMVERBRAUCH
A=Ampere
1mA=0,001A

SCHALLDRUCKPE-
GEL IN DEZIBEL (A)
BEI 1m.
DISTANZ GEMESSEN

TONFREQUENZ IN
HERTZ

BETRIEBSTYP

OPTISCHE LINIE: TECHNISCHE UND FUNKTIONELLE HAUPTMERKMALE DER PRODUKTE



CODIERUNG: Beispiel MFNFMT12240DA1 →

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

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE

LICHTQUELLENTYP	SPANNUNG GLEICHSTROM	SPANNUNG WECHSELSTROM			
GLÜHLAMPE	V ---	12	24	—	—
HALOGENLAMPE	V ~	12	24	110	230
XENON-BLITZRÖHRE 1J	A	2,4	1,5	0,2	0,1
XENON-BLITZRÖHRE 2J	Cd (p)	500	500	50	75
XENON-BLITZRÖHRE 6J	dB(A)1m	85	85	85	85
XENON-BLITZRÖHRE 15J	Hz 3600				

BA 15d 25W

SPITZENWERT-CANDELAS

TONFREQUENZ IN HERTZ

SCHALLDRUCKPE-
GEL IN DEZIBEL (A) BEI 1m.
DISTANZ GEMESSEN

FREQUENZ DER
TONINTERMITTENZ

STROMVERBRAUCH
A=Ampere
1mA=0,001A

LEYENDA

LÍNEA ACÚSTICA: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

VOLTAJE	CORRIENTE	FRECUENCIA	SERVICIO CONTINUO	
V 12-24-48-60-110-230-240 (±10%)	DC (continua) AC (alterna)	50/60 Hz	On ∞	AUTOEXTINGUIBLE
IP 66			°C -30 +50	M 16
GRADO DE IP: CUERPOS SÓLIDOS Y AGUA	CLASE II DE AISLAMIENTO	SONIDO LINEAL SONIDO MODULADO SONIDO BITONAL SONIDO PLURITONAL SONIDO INTERMITENTE SONIDO ALTERNATIVO	TEMPERATURA OPERATIVA	PRENSAESTOPAS

CODIFICACIÓN: ej. SCTBA24D

D = corriente continua
A = corriente alterna
DA = corriente continua y alterna
AT = alta tensión
SL = sonido - luz
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	VOLTAJE CORRIENTE ALTERNA	ABSORCIÓN DE CORRIENTE A=Ampere 1mA=0,001A	NIVEL ACÚSTICO EN DECIBELIO MEDIDO A 1m
V $\equiv$	V $\sim$		
12	12		24
A			0.8 0.5
dB(A)1m			94 98
Hz			1150 1300
On ∞			
			TIPO DE SERVICIO

LÍNEA LUMINOSA: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

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

CODIFICACIÓN: ej. MFNFMT12240DA1 →

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

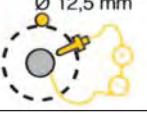
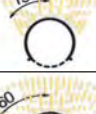
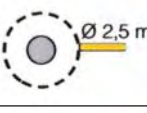
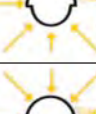
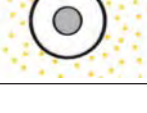
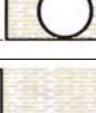
INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

TIPO DE FUENTE LUMINOSA	VOLTAJE CORRIENTE CONTINUA	VOLTAJE CORRIENTE ALTERNA			
LÁMPARA INCANDESCENTE	V $\equiv$	V $\sim$	12	24	—
LÁMPARA HALÓGENA					110 230 240
	A		2,4	1,5	0,2 0,1 0,1
	Cd (p)		500	500	50 75 85
	dB(A)1m		85	85	85 85 85
	Hz 3600				—F/m 110 —F/m 0
	CANDELAS/PICO				
	CONSUMO DE CORRIENTE A=Ampere 1mA=0,001A				

MATERIALI ESTERNI

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

INDICE DI PROTEZIONE (EN 60529)

Prima cifra: protezione contro corpi solidi estranei			Seconda cifra: protezione contro l'acqua		
IP			IP		
0		Non protetto	0		Non protetto
1		Protetto contro corpi solidi estranei superiori a 50 mm (es. contatto involontario della mano)	1		Protetto contro la caduta verticale di gocce d'acqua (condensa)
2		Protetto contro corpi solidi estranei superiori a 12,5 mm (es. dito della mano)	2		Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15°
3		Protetto contro corpi solidi estranei superiori a 2,5 mm (es. utensili e viti)	3		Protetto contro la caduta verticale di pioggia con un'inclinazione fino a 60°
4		Protetto contro corpi solidi estranei superiori a 1 mm (es. utensili e cavi sottili)	4		Protetto contro gli spruzzi d'acqua da tutte le direzioni
5		Protetto contro la polvere (nessun deposito apprezzabile)	5		Protetto contro i getti d'acqua da tutte le direzioni
6		Totalmente protetto contro la polvere	6		Totalmente protetto contro i getti d'acqua potenti
			7		Protetto contro gli effetti dell'immersione
			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

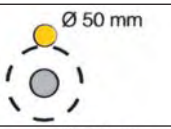
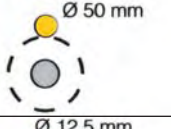
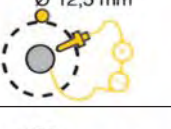
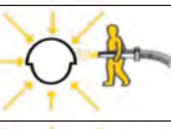
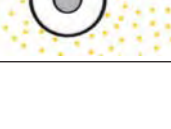
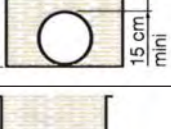
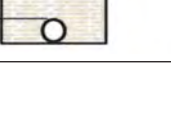
DEGREE OF PROTECTION (EN 60529)

First digit: protection against accidental contact and penetration by solid foreign bodies			Second digit: protection against penetration of liquids		
IP			IP		
0		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		Protection against the effects of immersion
			8		Protection against the effects of prolonged immersion under pressure

MATERIAUX EXTERNES

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

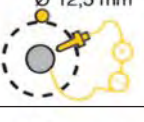
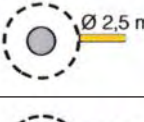
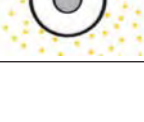
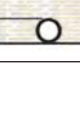
INDICES DE PROTECTION (EN 60529)

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		Protégé contre les effets de l'immersion
			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. Schutzgitter: verzinkter Stahl
18. Schutzgitter: 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: Forprene
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: Forprene
61. Sockel: Forprene
62. Gehäuse: schwarze eloxierte Alulegierung
63. Stoßfester Schutz: Forprene
64. Lichtdiffusor: PP Low Density
65. Dichtung: PVC
66. Sockel: Tecnoprene
67. Summerbefestigung-Nutmutter: ABS

SCHUTZARTEN (EN 60529)

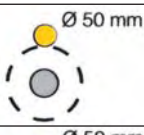
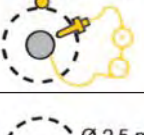
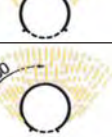
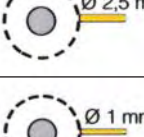
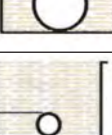
Erste Ziffer: Schutz gegen feste Fremdkörper			Zweite Ziffer: Wasserschutz		
IP			IP		
0		Kein Schutz	0		Kein Schutz
1		Schutz gegen feste Fremdkörper 50 mm Durchmesser (z.B. Berührung mit Handrücken)	1		Schutz gegen senkrecht tropfendes Wasser
2		Schutz gegen feste Fremdkörper 12,5 mm Durchmesser (z.B. 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. Base: 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		Sin protección	0		Sin protección
1		Protegido contra cuerpos sólidos superiores a 50 mm (ej.: contactos involuntarios de la mano)	1		Protegido contra las caídas verticales de gotas de agua (condensación)
2		Protegido contra cuerpos sólidos superiores a 12,5 mm (ej.: dedos de la mano)	2		Protegido contra las caídas de agua hasta 15° de la vertical
3		Protegido contra cuerpos sólidos superiores a 2,5 mm (ej.: herramientas, cables)	3		Protegido contra el agua de lluvia hasta 60° de la vertical
4		Protegido contra cuerpos sólidos superiores a 1 mm (ej.: herramientas fines, pequeños cables)	4		Protegido contra las proyecciones de agua en todas direcciones
5		Protegido contra el polvo (sin sedimentos perjudiciales)	5		Protegido contra el lanzamiento de agua en todas direcciones
6		Totalmente protegidos contra el polvo	6		Protegido contra el lanzamiento de agua similar a los golpes de mar
			7		Protegido contra la inmersión
			8		Protegido contra los efectos prolongados de inmersión bajo presión



SIRENE ELETTRICHE INDUSTRIALI

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

V 12-24-48-110-230-240 (±10%)			50/60 Hz	On: 1 min. Off: 10 min. (BA=On ∞)	
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 43			°C -30 +40	M 12



MINI CELERE MINI CELERE BA

MCL
MCL BA

11 19 29

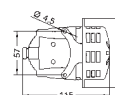
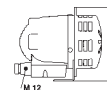
V	12	24	48	110	230	240
A	2.8	1.5	0.8	0.45	0.24	0.25
dB(A)1m	101	102	102	100	101	102
Hz	1600	1600	1650	1500	1600	1700

On: 1 min. Off: 10 min.



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

On ∞



Kg. 0,4
BA Kg. 0,3

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

MCLBA12D	42006
MCLBA24D	42007



CELERE CELERE BA

CL
CL BA

11 19 29

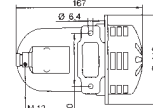
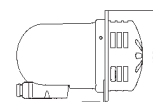
V	12	24	48	110	230	240
A	10.6	7.5	3.4	1.0	0.70	0.75
dB(A)1m	107	112	112	109	112	112
Hz	1150	1400	1450	1100	1400	1500

On: 1 min. Off: 10 min.



V	12	24
A	2.5	1.1
dB(A)1m	103	103
Hz	950	950

On ∞



Kg. 1,2
BA Kg. 0,6

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

CLBA12D	42026
CLBA24D	42027



SUPER CELERE SUPER CELERE BA

SCL
SCL BA

11 19 46

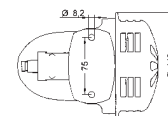
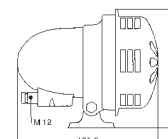
V	12	24	48	110	230	240
A	17.4	8.8	6.2	1.9	1.0	1.1
dB(A)1m	114	115	116	116	116	117
Hz	900	900	1000	1000	1000	1050

On: 1 min. Off: 10 min.



V	12	24
A	9.5	5.0
dB(A)1m	114	114
Hz	820	820

On ∞



Kg. 1,6
BA Kg. 1,5

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

SCLBA12D	42046
SCLBA24D	42047

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. Schutz-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



SIRENE ELETTRICHE INDUSTRIALI

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

V 12-24-48-110-230-240 (±10%)	==	~ 50/60 Hz	On: 1 min. Off: 10 min. (BA=On ∞)	
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 44			°C -30 +40
				M 16



MINI CELEREST MINI CELEREST BA

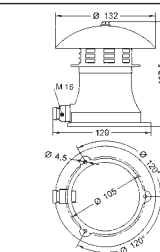
MCT
MCT BA

(12) (19) (34)

V ~	12	24	48	110	230	240
A	2.8	1.5	0.8	0.45	0.24	0.25
dB(A)1m	96	97	97	95	97	97
Hz	1600	1600	1650	1500	1600	1700
On: 1 min. Off: 10 min.						

V ==	12	24
A	1.3	0.55
dB(A)1m	92	95
Hz	1200	1300
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

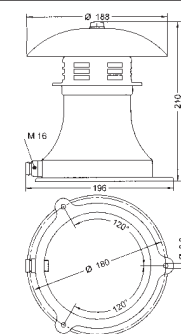
CT
CT BA

(12) (19) (34)

V ~	12	24	48	110	230	240
A	10.6	7.5	3.4	1.0	0.7	0.75
dB(A)1m	104	106	106	106	106	107
Hz	1150	1250	1350	1300	1300	1400
On: 1 min. Off: 10 min.						

V ==	12	24
A	2.5	1.1
dB(A)1m	100	100
Hz	950	950
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

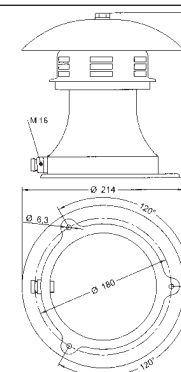
SCT
SCT BA

(12) (19) (34)

V ~	12	24	48	110	230	240
A	17.4	8.8	6.2	1.9	1.0	1.1
dB(A)1m	113	114	115	115	115	116
Hz	900	900	1000	1000	1000	1050
On: 1 min. Off: 10 min.						

V ==	12	24
A	9.5	5.0
dB(A)1m	113	113
Hz	820	820
On ∞		

SCT12DA	42100	SCT110DA	42103	SCTBA12D	42106
SCT24DA	42101	SCT230DA	42104	SCTBA24D	42107
SCT48DA	42102	SCT240DA	42105		



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

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 230-240-380 (±10%)	~ 50/60 Hz	On ∞	IP 44		°C -30 +50	M 20
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CELERSON

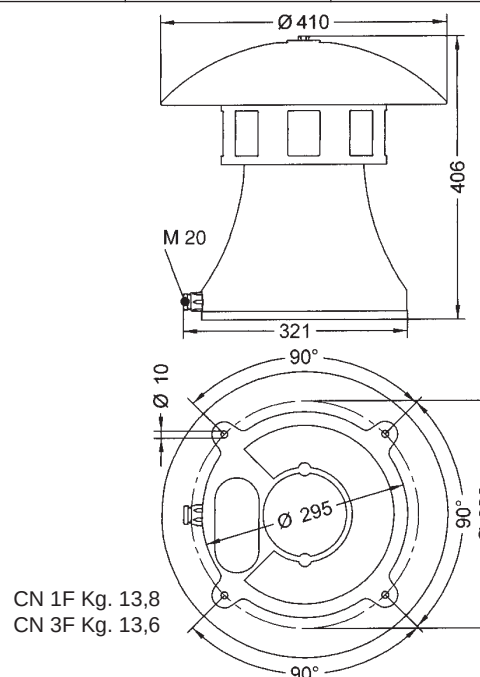
CN 1F
CN 3F

(14) (22) (34)

V ~	230	240
A	2.0	2.4
dB(A)1m	112	112
Hz	380	390
On ∞		

V ~	380
A	1.0
dB(A)1m	112
Hz	390
On	∞

CN1F230A	50350
CN1F240A	50349
CN3F230380A	50351



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



MWN12D	42200
MWN12A	42201
MWN24D	42202
MWN24A	42203

Kg. 0,15

MWR12D	42208
MWR24D	42209

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 (±10%)	==	~ 50/60 Hz	On: 1 min. Off: 10 min. (BA=On ∞)
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 30		°C -30 +40

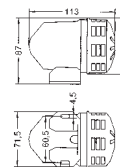


MINI MIDFON MINI MIDFON BA

MMD
MMD BA

11 19

V ~	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.			



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

Kg. 0,4
BA Kg. 0,3

MMD12DA	50076
MMD24DA	50077
MMD48DA	50078
MMDBA12D	51151
MMDBA24D	51152

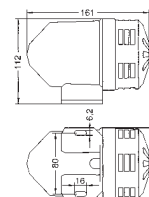


MIDFON MIDFON BA

MD
MD BA

11 19

V ~	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.			



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

Kg. 1,15
BA Kg. 0,55

MD12DA	50090
MD24DA	50091
MD48DA	50092
MDBA12D	51301
MDBA24D	51302

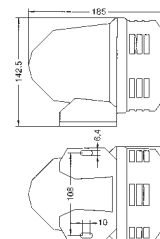


MAXIFON MAXIFON BA

MX
MX BA

11 19

V ~	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.			



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

Kg. 1,50
BA Kg. 1,40

MX12DA	50300
MX24DA	50301
MX48DA	50302
MXBA12D	51450
MXBA24D	51451

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 électronique / 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 piezoeléctrica
- 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 / AUSSETZEND / 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) / EVAKUIERUNG (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 EVACUATION / EVACUATION / EVAKUIERUNG / EVACUACIÓN	440 / 560 Hz
	BITONALE VELOCE FAST BI-TONE / BITONAL RAPIDE / SCHNELL BITONAL / BITONAL RAPIDO	800/970 Hz
	PLURITONALE VELOCE FAST MULTI-TONE / MULTITONAL RAPIDE / SCHNELL PLURITONAL / PLURITONAL RAPIDO	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 RAPIDO	2400÷2850 Hz
	PLURITONALE LENTO SLOW MULTI-TONE / MULTITONAL LENT / LANGSAM PLURITONAL / PLURITONAL LENTO	2400÷2850 Hz
	PLURITONALE INTERMITTENTE INTERMITTENT MULTI-TONE / MULTITONAL INTERMITTENT / AUSSETZEND PLURITONAL / PLURITONAL INTERMITTENTE	500÷1200 Hz
	PLURITONALE DISCENDENTE / DESCENDING MULTI-TONE / MULTITONAL DESCENDANT / ABSTEI- GEND PLURITONAL / PLURITONAL DESCENDIENTE	1200÷500 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	2400 / 2850 Hz
	INTERMITTENTE LENTO SLOW INTERMITTENT / INTERMITTENT LENT / LANGSAM AUSSETZEND / INTERMITTENTE LENTO	970 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	800 / 970 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSSETZEND / INTERMITTENTE	970 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSSETZEND / INTERMITTENTE	660 Hz
	INTERMITTENTE LENTO SLOW INTERMITTENT / INTERMITTENT LENT / LANGSAM AUSSETZEND / INTERMITTENTE LENTO	660 Hz
	LINEARE SINGLE / LINEAIRE / LINEAR / LINEAL	500 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	440 / 550 Hz
	INTERMITTENTE INTERMITTENT / INTERMITTENT / AUSSETZEND / INTERMITTENTE	660 Hz
	INTERMITTENTE VELOCE FAST INTERMITTENT / INTERMITTENT RAPIDE / SCHNELL AUSSETZEND / INTERMITTENTE RAPIDO	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 AUSSETZEND / INTERMITTENTE RAPIDO	2850 Hz
	LINEARE SINGLE / LINEAIRE / LINEAR / LINEAL	300 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON INTERRUCCIÓN	600 / 700 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON INTERRUCCIÓN	1200 / 1700 Hz
	BITONALE CON PAUSA BI-TONE WITH PAUSE / BITONAL AVEC PAUSE / BITONAL MIT PAUSE / BITONAL CON INTERRUCCIÓN	2400 / 2850 Hz
	BITONALE BI-TONE / BITONAL / BITONAL / BITONAL	600 / 700 Hz
	MODULATO MODULATED / MODULE / MODULIERT / MODULADO	1400÷1600 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 (SA) / EVACUATION (SA) / EVACUATION (SA) / EVAKUIERUNG (SA) / EVACUACIÓN (SA)	440/560 Hz



SIRENE ELETTRONICHE

ELECTRONIC SIRENS / SIRENES ELECTRONIQUES / ELEKTRONISCHE SIRENEN / SIRENAS ELECTRÓNICAS

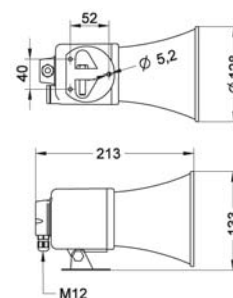
V 12÷24 $\sim$ -48 $\sim$ -110 $\sim$ -240 $\sim$ ($\pm 10\%$)	==	$\sim$ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 43 54	   	°C -30 +50



SE 12/30 MS 5
SE1230MS5
(12) (21) (29)

V $\sim$	12÷24		
V $\sim$			
mA	450	700	
dB(A)1m	Min 102 - Max 114		IP 43

SE1230MS51224DA 50405



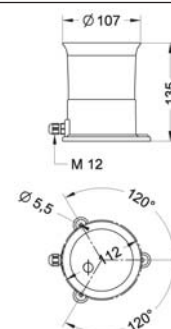
Kg. 1,00



SE 12/31 MS 5
SE1231MS5
(12) (21)

V $\sim$	12÷24		
V $\sim$			
mA	500	750	
dB(A)1m	Min 97.5 - Max 110		IP 54

SE1231MS51224DA 50400



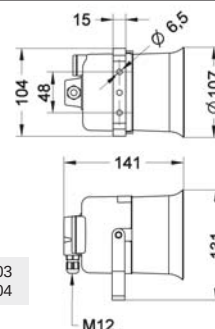
Kg. 1,10



SE 12/41 MS 5 *
SE1241MS5
(12) (21) (29)

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

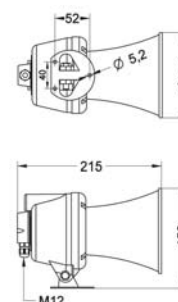
* Disponibili versioni IP 54 a richiesta / * IP 54 versions available on request / * Versions IP 54 disponibles sur demande /
* IP 54 Ausführungen auf Anfrage lieferbar / * Versiones IP 54 disponibles bajo petición



SE 25/50 MS 5 *
SE2550MS5
(12) (21) (29)

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

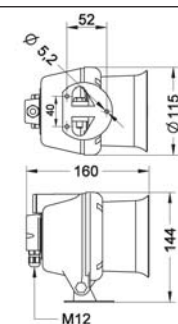
* Disponibili versioni IP 54 a richiesta / * IP 54 versions available on request / * Versions IP 54 disponibles sur demande /
* IP 54 Ausführungen auf Anfrage lieferbar / * Versiones IP 54 disponibles bajo petición



SE 25/51 MS 5
SE2551MS5
(12) (21) (29)

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

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

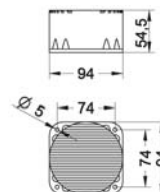


SE 4/25 L PLC
SE425LPLC

8

V ==	24	
mA	120	
dB(A)1m	93	IP 30

SE425LPLC24D 50414



Kg. 0,30

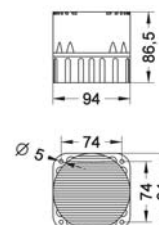


SE 4/29 MS 5
SE429MS5

8

V ==	12÷24	-	-	-
V $\sim$		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

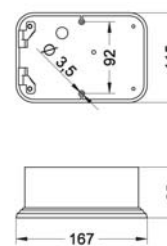


SE 10/32 MS 5
SE1032MS5

8

V ==	12÷24	-	-	-
V $\sim$		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

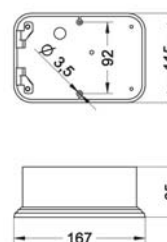


SE 10/32 MS 5 PLC
SE1032MS5PLC

8

V ==	24	
mA	370	
dB(A)1m	Min 93 - Max 96.5	IP 30

SE1032MS5PLC24D 50423



Kg. 0,60

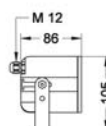
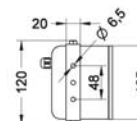
V 12÷24 $\overline{\sim}$ -48 $\sim$ -110 $\sim$ -240 $\sim$ ($\pm 10\%$)	==	$\sim$ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 43	 --- —  	°C -30 +50



SE 12/35 MS 32
SE1235MS32
(12 21 29)

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

SE1235MS321224DA 50424



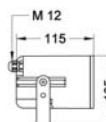
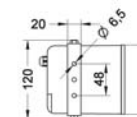
Kg. 0,70



SE 12/36 MS 32
SE1236MS32
(12 21 29)

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

SE1236MS3248A 50425
SE1236MS32110A 50426
SE1236MS32240A 50427



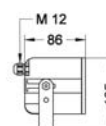
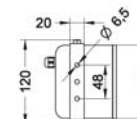
Kg. 1,00



SE PZ/35 MS 32
SEPZ35MS32
(12 21 29)

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

SEPZ35MS321224DA 50428



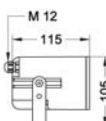
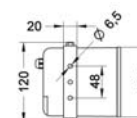
Kg. 0,40



SE PZ/36 MS 32
SEPZ36MS32
(12 21 29)

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

SEPZ36MS3248A 50429
SEPZ36MS32110A 50430
SEPZ36MS32240A 50431





SIRENE ELETTRONICHE CON FRONTALE LUMINOSO

ELECTRONIC SIRENS WITH LIGHTED FRONT / SIRENES ELECTRONIQUES AVEC SOURCE LUMINEUSE FRONTALE / ELEKTRONISCHE SIRENEN MIT VORDERER LICHTQUELLE / SIRENAS ELECTRÓNICAS CON FUENTE LUMINOSA FRONTAL

V 24 $\overline{\sim}$ -110 $\sim$ -240 $\sim$ ($\pm 10\%$)	==	$\sim$ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 65		
			°C -30 +50

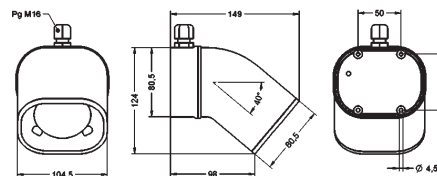


SEP LD85 MS 32
SEPLD85MS32

(12 21)

V $\overline{\sim}$	24	-	-
V $\sim$		110	240
mA	650	90	60
dB(A)1m	Min 107 - Max 114		

SEPLD85MS3224DA	50901
SEPLD85MS32110A	50903
SEPLD85MS32240A	50904



Kg. 0,98
24V: Kg. 0,75

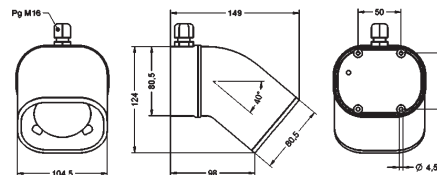


SEP LD85 MS 32 PZ
SEPLD85MS32PZ

(12 21)

V $\overline{\sim}$	24	-	-
V $\sim$		110	240
mA	240	35	15
dB(A)1m	Min 98 - Max 106		

SEPLD85MS32PZ24DA	50911
SEPLD85MS32PZ110A	50913
SEPLD85MS32PZ240A	50914



Kg. 0,52
24V: Kg. 0,41



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 ∞	3 PC
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 43			°C -30 +50

LUCE LAMPEGGIANTE / FLASHING LIGHT / LUMIERE CLIGNOTANTE / BLINKLICHT / LUZ INTERMITENTE

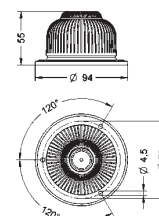


MAXI BIP LD85 B
MAXIBIPLD85B

(8 50 67)

V $\overline{\sim}$	12	24	48	-	-
V $\sim$				110	240
mA	35	30	15	35	75
dB(A)1m	88	88	90	88	88
Hz	2900 $\pm$ 100				

MAXIBIPLD85B12DA	36530
MAXIBIPLD85B24DA	36531
MAXIBIPLD85B48DA	36532
MAXIBIPLD85B110A	36533
MAXIBIPLD85B240A	36534



Kg 0,15

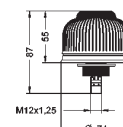


MAXI BIP LD85 R
MAXIBIPLD85R

(8 50 67)

V $\overline{\sim}$	12	24	48	-	-
V $\sim$				110	240
mA	35	30	15	35	75
dB(A)1m	88	88	90	88	88
Hz	2900 $\pm$ 100				

MAXIBIPLD85R12DA	36540
MAXIBIPLD85R24DA	36541
MAXIBIPLD85R48DA	36542
MAXIBIPLD85R110A	36543
MAXIBIPLD85R240A	36544



Kg 0,14



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 (±10%)	==	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 55		°C -30 +50



BIMF 5T 2B

BIMF5T2B

(49 50)

BIMF5T2B12240DA 38030



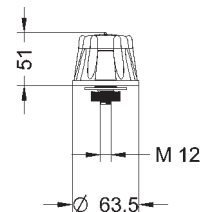
R BIMF 5T 2B

RBIMF5T2B

(49 50)

RBIMF5T2B12240DA 38032

V ==	12 ÷ 24 ÷ 48 ÷ 110 ÷ 240				
V ~					
mA	25	12	12	10	13
dB(A)1m	85	85	85	85	85
Hz	2500±500				



Kg. 0,102

N°	1	2	Suono Intermittente Lento Slow Intermittent Sound Son Intermittent 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			

- 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 (±10%)	==	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 55		°C -30 +50



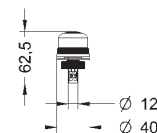
BEBIP

BEBIP

(19 49)

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±300				

BEBIP12DA 38000	BEBIP110A 38004
BEBIP24DA 38001	BEBIP240D 38005
BEBIP48DA 38002	BEBIP240A 38006
BEBIP110D 38003	



Kg. 0,043

- 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 (±10%)		==		~ 50/60 Hz		On ∞	
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 30			---		°C -30 +50	



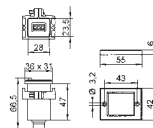
11 24

BIP 81
BIP 81

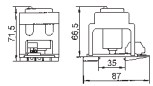


BIP 81 MCA

V ==	12	24	48	110	230	240
V ~	12	24	48	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 encastrer 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		



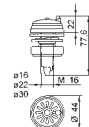
11 24 36

BIP 92
BIP 92

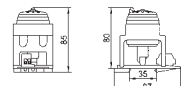


BIP 92 MCA

V ==	12	24	48	110	230	240
V ~	12	24	48	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 (Ø 16-22-30 mm)**
- Flush mounting with round openings (Ø 16-22-30 mm)
- Installation à encastrer dans des perçages ronds (Ø 16-22-30 mm)
- Unterputz-Montage mit runden Öffnungen (Ø 16-22-30 mm)
- Instalación para empotrar en cuadro con agujero redondo (Ø 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

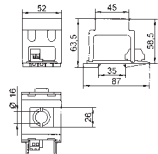


ADA BIP

- **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

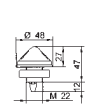
BIP OS 93

BIP OS 93

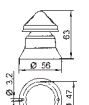


11 24

V ==	12	24	48	110	230	240
V ~	12	24	48	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 (Ø 22 mm) o su supporto orientabile**
- Flush mounting with round openings (Ø 22 mm) or on swivel support
- Installation à encastrer dans des perçages ronds (Ø 22 mm) ou sur un support orientable
- Unterputz-Montage mit einer runden Öffnung (Ø 22 mm) oder auf schwenkbare Halterung
- Instalación para empotrar en cuadro con agujero redondo (Ø 22 mm) ó sobre soporte orientable

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

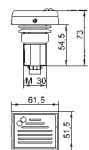


BIP 84

BIP 84

11 24 37

V ==	12	24	48	110	230	240
V ~	12	24	48	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

- **Installazione ad incasso foro tondo (Ø 30 mm) - doppio LED**
- Flush mounting with round openings (Ø 30 mm) - double LED
- Installation à encastrer dans des perçages ronds (Ø 30 mm) - double LED
- Unterputz-Montage mit einer runden Öffnung (Ø 30 mm) - doppel LED
- Instalación para empotrar en cuadro con agujero redondo (Ø 30 mm) - doble LED

BIP8412DA	42345	BIP84230D	42350
BIP8424DA	42346	BIP84230A	42351
BIP8448DA	42347	BIP84240D	42352
BIP84110D	42348	BIP84240A	42353
BIP84110A	42349		

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 HORNS / AVERTISSEURS INDUSTRIELS / INDUSTRIE SIGNALHUPEN / BOCINAS INDUSTRIALES

V 12-24-48-110-240 ($\pm 10\%$)	==	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 43		°C -30 +40



BABYSAI LD6

BABYSAI LD6

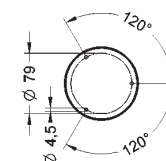
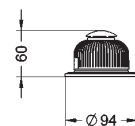
(8 19 50 51)

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 ==	12	24	48
mA	55	65	30
dB(A)1m	93	90	93

V ~	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

(8 19 50 51)

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



M 16

BABYSAI LD6 PG16

BABYSAI LD6 PG16

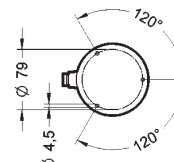
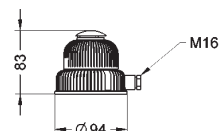
(8 19 50 51)

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 ==	12	24	48
mA	55	65	30
dB(A)1m	93	90	93

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



Kg. 0,181



M 16

R BABYSAI LD6 PG16

R BABYSAI LD6 PG16

(8 19 50 51)

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



M 16

BABYSAI LD6 PG16 SI

BABYSAI LD6 PG16 SI

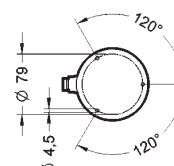
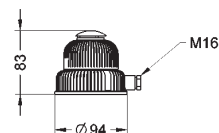
(8 19 50 51)

BABYSAILD6PG16SI12D	37861	BABYSAILD6PG16SI24A	37866
BABYSAILD6PG16SI24D	37862	BABYSAILD6PG16SI48A	37867
BABYSAILD6PG16SI48D	37863	BABYSAILD6PG16SI110A	37868
BABYSAILD6PG16SI12A	37865	BABYSAILD6PG16SI240A	37869

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

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

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



Kg. 0,215



M 16

R BABYSAI LD6 PG16 SI

R BABYSAI LD6 PG16 SI

(8 19 50 51)

RBABYSLD6PG16SI12D	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

V12-24-48-110-230-240 (±10%)			~ 50/60 Hz		On ∞		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	
IP 65			 — — —		Hz 300÷350		°C −30 +40	



M 16

MICROSAI

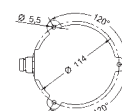
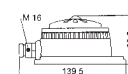
MS

11 19

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

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

MS12A	53002	MS110A	53008
MS24A	53003	MS230A	53012
MS48A	53005	MS240A	53015



Kg. 0,31



M 16

MICROSAI SI

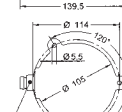
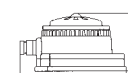
MS SI

11 19

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

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

MSSI12A	53530	MSSI110A	53533
MSSI24A	53531	MSSI230A	53534
MSSI48A	53532	MSSI240A	53535



Kg. 0,38



M 16

MICROSAI SD

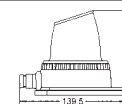
MS SD

11 20

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

V ~	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



M 16

MICROSAI SD SI

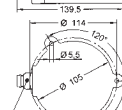
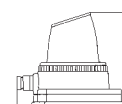
MS SD SI

11 20

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

V ~	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



MICROSAI R
MS R

MICROSAI R SI
MS R SI

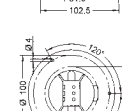
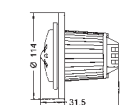
SUONO CONTINUO
SINGLE SOUND - SON CONTINU -
LINEARE TONFOLGE - SONIDO LINEAL

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

MSR12A	53537	MSR110A	53540	MSRSI12A	53544	MSRSI110A	53547
MSR24A	53538	MSR230A	53541	MSRSI24A	53545	MSRSI230A	53548
MSR48A	53539	MSR240A	53542	MSRSI48A	53546	MSRSI240A	53549

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

V ~	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



MICROSAI SD R
MS SD R

MICROSAI SD R SI
MS SD R SI

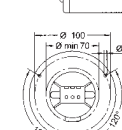
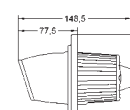
SUONO CONTINUO
SINGLE SOUND - SON CONTINU -
LINEARE TONFOLGE - SONIDO LINEAL

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

MSSDR12A	53558	MSSDR110A	53561	MSSDRSI12A	53565	MSSDRSI110A	53568
MSSDR24A	53559	MSSDR230A	53562	MSSDRSI24A	53566	MSSDRSI230A	53569
MSSDR48A	53560	MSSDR240A	53563	MSSDRSI48A	53567	MSSDRSI240A	53570

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

V ~	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 HORNS / AVERTISSEURS INDUSTRIELS / INDUSTRIE SIGNALHUPEN / BOCINAS INDUSTRIALES

V 12-24-48-110-230-240 (±10%)	==	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 54	—	°C -30 +40

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

SAI
SAI

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

SAI SI
SAI SI

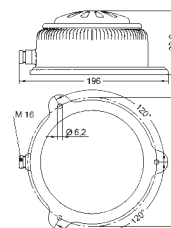
(11) (19)



M 16

V ==	12	24	48
A	1.7	0.9	0.45
dB(A)1m	110	110	110
Hz 600÷20000			

V ~	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						



Kg. 0,7

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

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

SAI SD
SAI SD

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

SAI SD SI
SAI SD SI

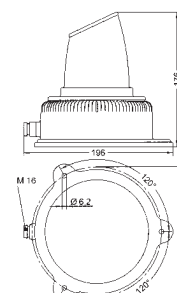
(11) (20)



M 16

V ==	12	24	48
A	1.7	0.9	0.45
dB(A)1m	110	110	110
Hz 600÷20000			

V ~	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						



Kg. 0,7

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

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 (±10%)	==	~ 50/60 Hz	On: 1 min. Off: 10 min.
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 54	—	°C -30 +50

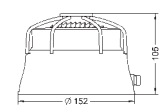


M 12

BLINDO SAI
BD S
BLINDO SAI M
MD BD S
(2) (17) (23)

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 ~	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					 —	



Kg. 1,1

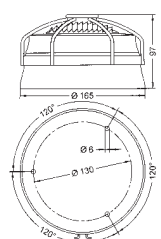
BDS12D	86510	BDS24A	86501	MDBDS110D	86524	BDS240D	86506
MDBDS12D	86525	MDBDS24A	86516	BDS110A	86503	BDS240A	86505
BDS12A	86500	BDS48D	86512	MDBDS110A	86527	MDBDS240A	86520
MDBDS12A	86515	BDS48A	86502	BDS230D	86514		
BDS24D	86511	MDBDS48A	86522	BDS230A	86504		
MDBDS24D	86526	BDS110D	86513	MDBDS230A	86528		



BLINDO MAXISAI
BD MXS
BLINDO MAXISAI M
MD BD MXS
(2) (17) (23)

V ---	12	24	48	110
A	2.5	1.2	0.5	0.25
dB(A)1m	110	110	110	110
Hz 600÷20000			 —	

V ~	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						



Kg. 1,5

BDMXS12D	86535	BDMXS48D	86543	BDMXS230A	86534
MDBDMXS12D	86529	BDMXS48A	86544	MDBDMXS230A	86540
BDMXS24D	86537	MDBDMXS48A	86530	BDMXS240A	86536
MDBDMXS24D	86539	BDMXS110D	86531	MDBDMXS240A	86542
BDMXS24A	86523	BDMXS110A	86532		
MDBDMXS24A	86538	MDBDMXS110A	86541		

V 6 -8 -12 -24 -48 -110 -240 (±10%)	==	~ 50/60 Hz	—	On ∞
IP 43		Hz (==) 650±50	Hz (~) 300÷7000	°C -30 +50
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE				

SUONO CONTINUO

SINGLE SOUND - SON CONTINU -
LINEARE TONFOLGE - SONIDO LINEAL



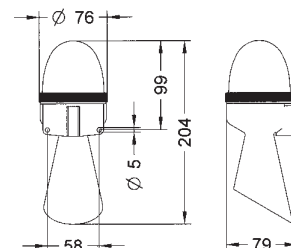
SEM

SEM

12

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					



Kg. 0,25

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 (±10%)	==	~ 50/60 Hz	—	On ∞
IP 30		Hz (==) 650±50	Hz (~) 300÷7000	°C -30 +50
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE				



SHV

SHV

13

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					

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					



Kg. 0,16

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

V 12-24-48-60-110-230-240 (±10%)		==	~ 50/60 Hz	On ∞	
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 66		 —	°C -30 +50	M 16



SIAD 165 R
SD 165 R
SIADEL 165 R
SDL 165 R

(32) (38)



SIAD 165 G
SD 165 G
SIADEL 165 G
SDL 165 G

(32) (38)

SD165R12A	54200	SD165R12D	54214	SD165G12A	54207	SD165G12D	54221
SD165R24A	54201	SD165R24D	54215	SD165G24A	54208	SD165G24D	54222
SD165R48A	54202	SD165R48D	54216	SD165G48A	54209	SD165G48D	54223
SD165R60A	54203	SD165R60D	54217	SD165G60A	54210	SD165G60D	54224
SD165R110A	54204	SD165R110D	54218	SD165G110A	54211	SD165G110D	54225
SD165R230A	54205	SD165R230D	54219	SD165G230A	54212	SD165G230D	54226
SD165R240A	54206	SD165R240D	54220	SD165G240A	54213	SD165G240D	54227

SIAD 165

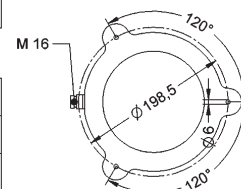
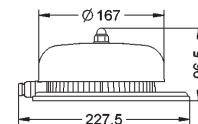
V ~	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100

Hz 1500÷10000

SIADEL 165

V ==	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 1500÷10000



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



SIAD 215 R
SD 215 R
SIADEL 215 R
SDL 215 R

(32) (38)



SIAD 215 G
SD 215 G
SIADEL 215 G
SDL 215 G

(32) (38)

SD215R12A	54228	SD215R12D	54242	SD215G12A	54235	SD215G12D	54249
SD215R24A	54229	SD215R24D	54243	SD215G24A	54236	SD215G24D	54250
SD215R48A	54230	SD215R48D	54244	SD215G48A	54237	SD215G48D	54251
SD215R60A	54231	SD215R60D	54245	SD215G60A	54238	SD215G60D	54252
SD215R110A	54232	SD215R110D	54246	SD215G110A	54239	SD215G110D	54253
SD215R230A	54233	SD215R230D	54247	SD215G230A	54240	SD215G230D	54254
SD215R240A	54234	SD215R240D	54248	SD215G240A	54241	SD215G240D	54255

SIAD 215

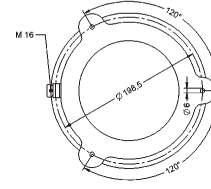
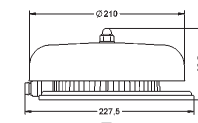
V ~	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100

Hz 1000÷15000

SIADEL 215

V ==	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 Kg. 2,1
SIADEL Kg. 2,2



SIAD 265 R
SD 265 R
SIADEL 265 R
SDL 265 R

(32) (38)



SIAD 265 G
SD 265 G
SIADEL 265 G
SDL 265 G

(32) (38)

SD265R12A	54256	SD265R12D	54270	SD265G12A	54263	SD265G12D	54277
SD265R24A	54257	SD265R24D	54271	SD265G24A	54264	SD265G24D	54278
SD265R48A	54258	SD265R48D	54272	SD265G48A	54265	SD265G48D	54279
SD265R60A	54259	SD265R60D	54273	SD265G60A	54266	SD265G60D	54280
SD265R110A	54260	SD265R110D	54274	SD265G110A	54267	SD265G110D	54281
SD265R230A	54261	SD265R230D	54275	SD265G230A	54268	SD265G230D	54282
SD265R240A	54262	SD265R240D	54276	SD265G240A	54269	SD265G240D	54283

SIAD 265

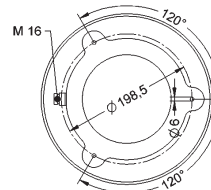
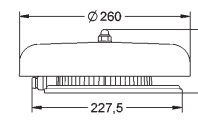
V ~	12	24	48	60	110	230	240
mA	860	430	250	170	90	55	50
dB(A)1m	100	100	100	100	100	100	100

Hz 800÷18000

SIADEL 265

V ==	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 800÷18000



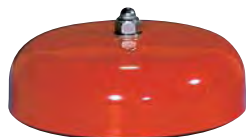
SIAD Kg. 2,6
SIADEL Kg. 2,7



SUONERIE INDUSTRIALI

INDUSTRIAL BELLS / SONNERIES INDUSTRIELLES / INDUSTRIE LÄUTEWERKE / TIMBRES INDUSTRIALES

V 12-24-48-60-110-230-240 (±10%)	=	~ 50 Hz	*~ 60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 66			°C -30 +50
				M 16

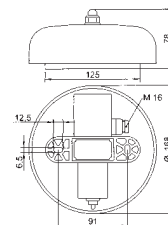


CEAD 165 R
CD 165 R
CEADEL 165 R
CDL 165 R

(32) (38)

CEAD 165

V ~	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 ==	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 /
WASSERDICHT INDUSTRIE LÄUTEWERKE / TIMBRE INDUSTRIAL ESTANQUE

V 12-24-48-60-110-230-240 (±10%)	=	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 66		
		°C -30 +50	M 16

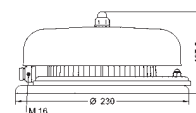


SIAD 215 NAVE
ST SD 215 N
SIADEL 215 NAVE
ST SDL 215 N

(33) (39)

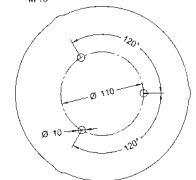
SIAD 215 NAVE

V ~	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 ==	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 (±10%)	~ 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
IP 65			°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 ~	230/240
mA SEO 2 SEV SEO 2 SEV/4S AA	580 50
Hz	490 ÷ 610 610 2400 ÷ 2800
dB (A) 1m	123
dB (A) 1m	124

SEO 2 SEV/4S AA

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

Version supplied with

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

Version équipée de:

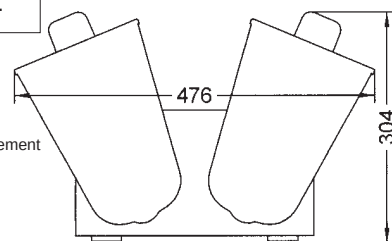
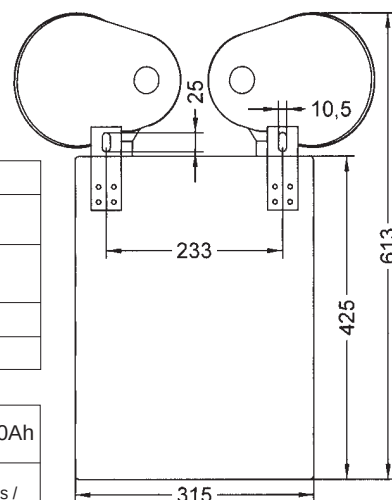
- barres lumineuses à LED BL pour contrôle du fonctionnement
- télécommande pour essai de contrôle à distance

Ausführung ausgestattet mit:

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

Versión con:

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

SEO 1 SEV/4S AA

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

Version supplied with

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

Version équipée de:

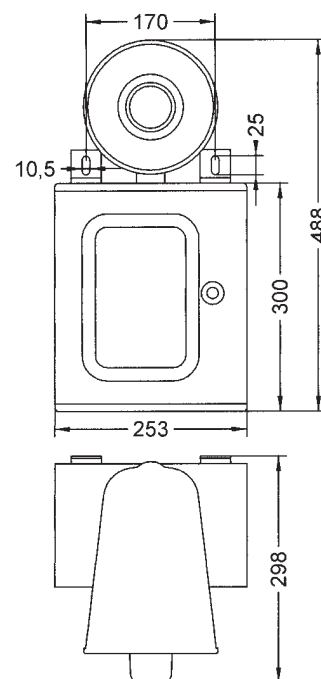
- barres lumineuses à LED BL pour contrôle du fonctionnement
- télécommande pour essai de contrôle à distance

Ausführung ausgestattet mit:

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

Versión con:

- barrita 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 (±10%)	~ 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
IP 40	♪ ♪ — — —	°C -20 +50	



SEL 1 SEV
SEL 1 SEV/4S AA
SEL 1 SEV/4S AA
SEL 1 SEV/4S AA

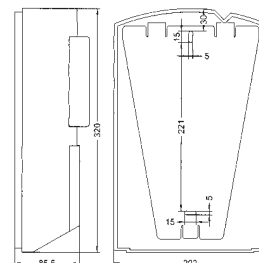
(14)

SEL 1 SEV
SEL 1 SEV/4S AA

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

SEL 1 SEV/4S AA

Batteria / Battery / Batterie / Batterie / Bateria	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

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

SEL1SEV230240A 56035 SEL1SEV4SAA230240A 55305



LUCE STROBOSCOPICA AUTOALIMENTATA DI ALLARME EVACUAZIONE

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

V 230/240 (±10%)	~ 50/60 Hz	J 20	2 F	IP 65	□
°C -20 +50	On ∞	1 2 3 4 5 6	PC PMMA	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



STROBOFLASH 1 SEV/4S AA

STF1SEV4SAA

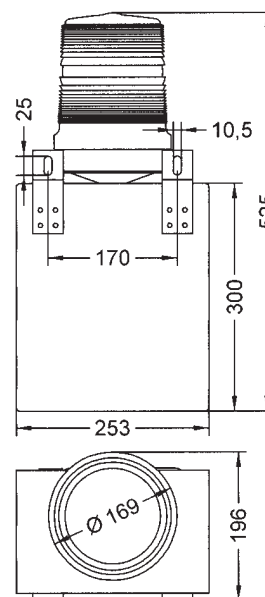
(2) (33) (41)

STF 1 SEV/4S AA

2F	V ~	230/240
	mA	80
	Cd (p)	32000/6000 38000
	Fl (min)	2 x 65 ± 10

XENON 20J
LRX 15J

Batteria / Battery / Batterie / Batterie / Bateria	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:
- barra 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 (±10%)	~ 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUISHING SELBSTLÖSCHEND AUTOEXTINGUIBLE
IP 65			°C -20 +50



BX 65 2 SEV

BX652SEV

BX 65 2 SEV AA

BX652SEVAA

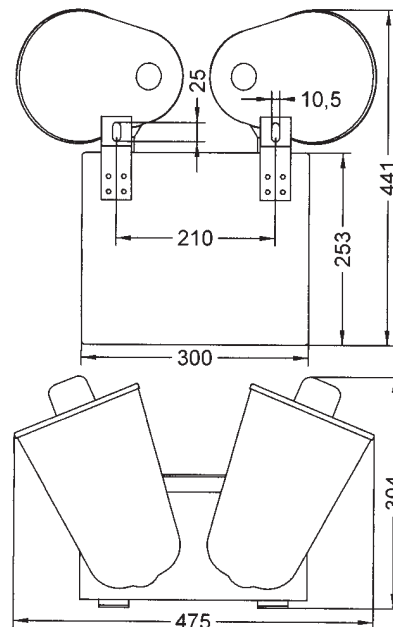
(22 41)

BX 65 2 SEV
BX 65 2 SEV AA

V ~	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 ~

BX652SEV230240A 56051 BX652SEVAA230240A 56050



BX 65 1 SEV

BX651SEV

BX 65 1 SEV AA

BX651SEVAA

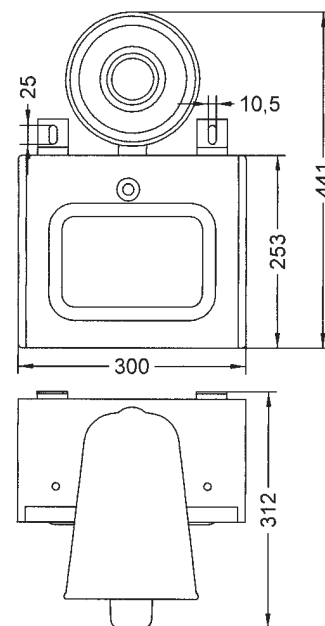
(22 41)

BX 65 1 SEV
BX 65 1 SEV AA

V ~	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 ~

BX651SEV230240A 56053 BX651SEVAA230240A 56052



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 (±10%)	~ 50/60 Hz	On ∞	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
IP 65			°C -20 +50



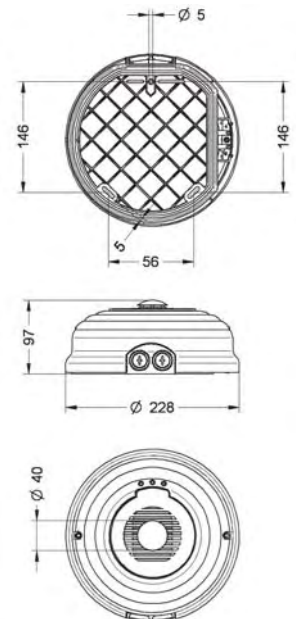
F3 SEV/4S AA
F3SEV4SAA

(12)

F3 SEV/4SAA

V ~	230/240
mA	40
Hz	490 ÷ 610 610 2400 ÷ 2800
dB (A) 1m	75 ▲ 98
dB (A) 1m	82 ▲ 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



Kg. 2,26



LINEA SICUREZZA

SECURITY RANGE / LIGNE SECURITE / SICHERHEITSLINIE / LÍNEA DE SEGURIDAD

V 12-24-48-110-230-240 (±10%)	==	~ 50/60 Hz	On ∞
IP 65	°C -40 +60	AUTOESTINGUENTE SELF-EXTINGUISHING 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

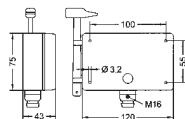
BREAK GLASS EMERGENCY SWITCH FOR PREALARM AND EVACUATION INSTALLATIONS
BOUTON POUSSOIR POUR INSTALLATIONS D'ALERTE ET D'EVACUATION
SIGNALTASTE FÜR WARN- UND EVAKUIERUNGSANLAGEN
INTERRUPTOR DE EMERGENCIA PARA INSTALACIONES DE ALERTA Y EVACUACIÓN



FIRL EM

FIRLARM
FIRL ...

(12) (42)



Kg. 0,3



FIRL AL

FIRLARM IN CASO DI ALLERTAMENTO

FIRLARM
IN CASE OF
PREALARM

FIRLARM
EN CAS
D'ALERTE
FIRLARM
FÜR DEN
VORWARNFALL
FIRLARM
PARA ALERTA



FIRL EV

FIRLARM IN CASO DI EVACUAZIONE

FIRLARM
IN CASE OF
EVACUATION

FIRLARM
EN CAS
D'EVACUATION
FIRLARM
FÜR DEN
EVAKUIERUNGSFALL
FIRLARM
PARA EVACUACIÓN

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

Il prodotto contiene 2 micro switch indipendenti i cui contatti (NC-NA) sono disponibili sulle morsettiere. 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:

- MARTELLETO 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

COMPLÉT 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 :

- MARTILLO 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 PRESIDATI PCS
MANNED CONTROL BOX PCS
BOITE DE COMMANDE SURVEILLEE PCS
BEMANNTE PCS SEV-EINHEIT
CENTRAL MANDOS ATENDIDOS PCS



PULSANTE IP67 EV. PCS
PULSANTE PCS EVACUAZIONE
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

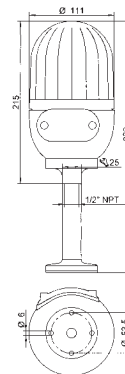
V 12 - 24 - 48 - 110 - 240 (±10%)		=	~ 50/60 Hz	r.p.m. 160±30	IP 65
	°C -30 +60	On ∞		1 2 3 4 5 6	PC
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE					



**BABYROT
BABYR**

⑥

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



Kg. 0,75

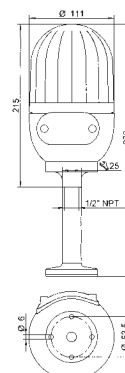
BABYR12A1	26530	BABYR48A4	26549
BABYR12A2	26531	BABYR48A5	26550
BABYR12A3	26532	BABYR48A6	26551
BABYR12A4	26533	BABYR110A1	26554
BABYR12A5	26534	BABYR110A2	26555
BABYR12A6	26535	BABYR110A3	26556
BABYR24DA1	26538	BABYR110A4	26557
BABYR24DA2	26539	BABYR110A5	26558
BABYR24DA3	26540	BABYR110A6	26559
BABYR24DA4	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 =	24	—	—
	V ~	—	110	240
	A	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



LUCI ROTANTI

ROTATING BEACONS / FEUX TOURNANTS / DREHSPIEGELLEUCHTEN / LUCES ROTATIVAS

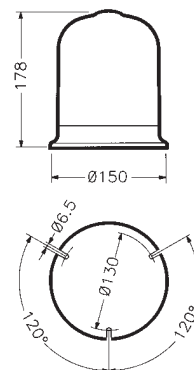
V 24 -110 -240 (±10%)			~ 50/60 Hz			r.p.m. 160±30			IP 44		
	°C -30 +50	On ∞		1	2	3	4	5	6	PMMA	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



GF 931
GF931
⑬

 BA 15dT 25W LR BA 15dT 25W	V ~	24	110	240
	A	1.1	0.22	0.11
	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

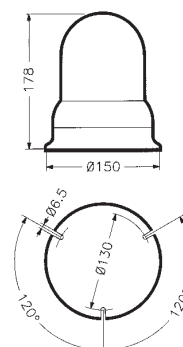
V 24 -110 -240 (±10%)			~ 50/60 Hz			r.p.m. 160±30			IP 44		
	°C -30 +50	On ∞		1	2	3	4			PMMA	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



LR 932
LR 932
⑬

 BA 15dT 25W LR BA 15dT 25W	V ~	24	110	240
	A	1.1	0.22	0.11
	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

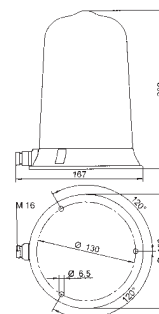
V ¹²⁻²⁴⁻⁴⁸⁻¹¹⁰⁻²³⁰⁻²⁴⁰ (±10%) H1: 12-24		==	 50/60 Hz	r.p.m. 160±30	IP 54
°C -30 +50	On ∞	M 16			PC
AUTO-EXTINGUISHING SELF-EXTINGUISHING SELBSTLOSCHEND AUTOFÜHRUNG					



ROTALLARM
P B L
R A P B L
R A P B L H

  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		12	24
		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
 

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	RAPBR48D3	63088
RAPBL24D2	63014	RAPBL110A3	63039	RAPBLH12A5	63064	RAPBR48D5	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

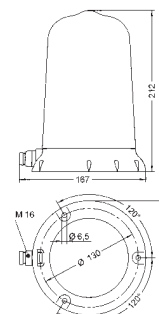
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición



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 $\equiv$ LR E 14T 25W		12	24	48	–	–	–	–
		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	$V \text{ ---}$	12	24
	$V \text{ ~}$	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	82240	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		



LUCI ROTANTI

ROTATING BEACONS / FEUX TOURNANTS / DREHSPIEGELLEUCHTEN / LUCES ROTATIVAS

V 12-24-48-110-230-240 (±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				

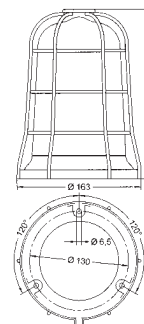


BLINDO ROTALLARM AL B1

BD RA AL B
BD RA AL B H
(2) (17)

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

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



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		

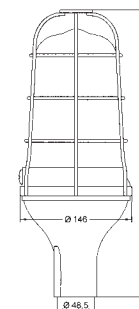


BLINDO ROTALLARM P AG

BD RA P AG
BD RA P AG H
(6) (7) (17)

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

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



Kg. 1,7

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 (±10%)	==	~ 50/60 Hz	r.p.m. 160±30	IP 67
°C -30 +50	On ∞		1 2 3 4 5 6	PC

AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE

SEGNALATORE STAGNO

WATERPROOF BEACON

FEU ETANCHE

WASSERDICHTLEUCHTE

LUZ ESTANCA

	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



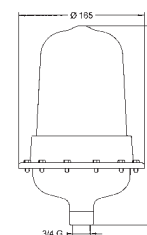
ROTALLARM STAGNO

ST RA
ST RA H

⑩

	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. 1,8

INOX
STAINLESS STEEL
INOX
EDELSTAHL
INOX

STRA12D2	90010	STRA230A2	90208
STRA24D1	90017	STRA230A3	90206
STRA24D2	90016	STRA230A4	90207
STRA24D3	90014	STRA230A5	90209
STRA24D5	90015	STRA240A2	90203
STRA24A2	90019	STRA240A3	90205
STRA24A3	90023	STRA240A5	90204
STRA48D2	90024	STRAH12D1	90047
STRA48A2	90018	STRAH12D2	90048
STRA48A3	90022	STRAH12D5	90049
STRA110A2	90025	STRAH24D1	90053
STRA110A3	90026	STRAH24D2	90050
STRA110A5	90021	STRAH24D3	90052
STRA230A1	90210	STRAH24D5	90051

V 12 (14.5)	Tensione di ricarica Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	==	IP 54	°C -10 +40
(Batt.: 12 V - 7 Ah)		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE AUTOALIMENTATA

BATTERY OPERATED BEACON

FEU AUTO-ALIMENTE

LEUCHTE MIT EIGENVERSORGUNG

LUZ AUTOALIMENTADA

FORNITO SENZA BATTERIA

SUPPLIED WITHOUT BATTERY

FOURNI SANS BATTERIE

OHNE AKKU GELIEFERT

SUMINISTRADA SIN BATERÍA



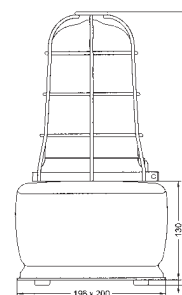
ROTALLARM A

A RA

⑥

	V ==	12
	A	1.9
	Cd (p)	5000
	On:	2 h
	r.p.m.	160 ± 30

BA 15s 21W
LR BA 15s 21W



Kg. 2,72

ARA12D1	89802
ARA12D2	89800
ARA12D3	89803
ARA12D5	89801



LUCI ROTANTI

ROTATING BEACONS / FEUX TOURNANTS / DREHSPIEGELLEUCHTEN / LUCES ROTATIVAS

V 110-230-240 (±10%)			~ 50/60 Hz		r.p.m. 160±30			IP 55	
	°C -30 +50		On 					PC	
							AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND 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 TENSION CON TRANSFORMADOR TOROIDAL PARA LÁMPARA H1



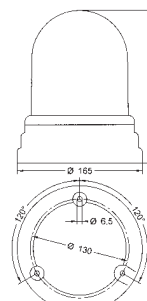
AT/A8 H1

ATA8 H

③

 H1 12V 55W LR H 55W 12	V ~	110	230	240
	A	0.5	0.25	0.22
	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



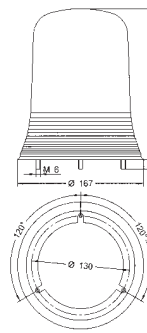
AT/R5 H1

ATR5 H

④

 H1 12V 55W LR H 55W 12	V ~	110	230	240
	A	0.5	0.25	0.22
	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



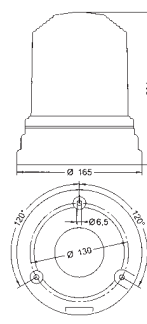
AT/F6 H1

ATF6 H

③

 H1 12V 55W LR H 55W 12	V ~	110	230	240
	A	0.5	0.25	0.22
	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



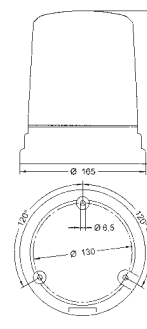
AT/M7 H1

ATM7 H

③

 H1 12V 55W LR H 55W 12	V ~	110	230	240
	A	0.5	0.25	0.22
	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



LUCI ROTANTI

ROTATING BEACONS / FEUX TOURNANTS / DREHSPIEGELLEUCHTEN / LUCES ROTATIVAS

V 12-24-48-110-230-240 (±10%)	==	~ 50/60 Hz	r.p.m. 160±30	IP 55
°C -30 +50	On ∞	M 20	1 2 3 4 5 6 / PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUISHING SELBSTLOSCHEND AUTOEXTINGUIBLE



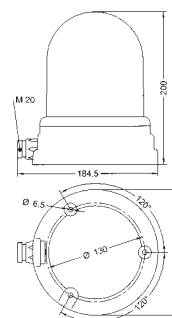
PG/R/AGR

**PGRAGR
PGRAGR**

③

	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

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



Kg. 0,96

PGRAGR12D2	47122	PGRAGR48A5	47165	PGRAGR12D3	47173
PGRAGR12D5	47125	PGRAGR110A2	47442	PGRAGR12D5	47175
PGRAGR24D1	47131	PGRAGR110A3	47443	PGRAGR24D1	47181
PGRAGR24D2	47132	PGRAGR110A5	47445	PGRAGR24D2	47182
PGRAGR24D3	47133	PGRAGR230A2	47452	PGRAGR24D3	47183
PGRAGR24D4	47134	PGRAGR230A3	47453	PGRAGR24D4	47184
PGRAGR24D5	47135	PGRAGR230A4	47454	PGRAGR24D5	47185
PGRAGR24A1	47141	PGRAGR230A5	47455	PGRAGR24D6	47186
PGRAGR24A2	47142	PGRAGR240A1	47461	PGRAGR24A1	47191
PGRAGR24A3	47143	PGRAGR240A2	47462	PGRAGR24A2	47192
PGRAGR24A4	47144	PGRAGR240A3	47463	PGRAGR24A3	47193
PGRAGR24A5	47145	PGRAGR240A4	47464	PGRAGR24A4	47194
PGRAGR48D5	47155	PGRAGR240A5	47465	PGRAGR24A5	47195
PGRAGR48A2	47162	PGRAGR240A6	47466	PGRAGR24A6	47196
PGRAGR48A3	47163	PGRAGR12D2	47172		

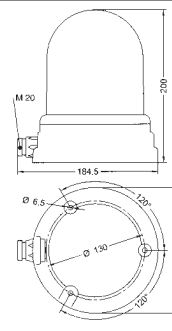


PG/TOR/AGR

PGTORAGR

③

	V ~	110	230	240
	A	0.5	0.25	0.22
	Cd (p)	10000	10000	10000



Kg. 1,45

PGTORAGR110A2	47212	PGTORAGR230A5	47225
PGTORAGR110A3	47213	PGTORAGR230A6	47226
PGTORAGR110A5	47215	PGTORAGR240A1	47231
PGTORAGR110A6	47216	PGTORAGR240A2	47232
PGTORAGR230A1	47221	PGTORAGR240A3	47233
PGTORAGR230A2	47222	PGTORAGR240A4	47234
PGTORAGR230A3	47223	PGTORAGR240A5	47235
PGTORAGR230A4	47224	PGTORAGR240A6	47236

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 (±10%)	==	~ 50/60 Hz	r.p.m. 160±30	IP 54
°C -30 +50	On ∞	M 20	1 2 3 4 5 6 / PMMA	



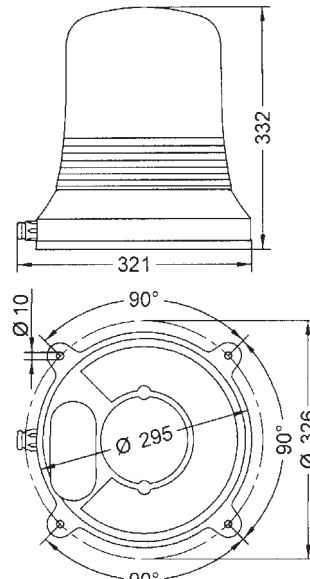
ROTOLUX H

RTL H

⑤ ⑭

	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

RTLH12D2	26081	RTLH110A4	26095
RTLH12D3	26082	RTLH110A6	26097
RTLH24D2	26087	RTLH230A2	26099
RTLH24D3	26088	RTLH230A3	26100
RTLH24A5	26167	RTLH230A5	26102
RTLH110A2	26093	RTLH240A2	26105
RTLH110A3	26094	RTLH240A3	26106



Kg. 3,9



LUCI LAMPEGGIANTI

FLASHING BEACONS / FEUX CLIGNOTANTS / BLINKLEUCHTEN / LUCES INTERMITENTES

$V_{12 \div 48} \text{ --- } -24 \div 240 \sim (\pm 10\%)$		$Ba_{15d} 5W-10W$ LD $\begin{matrix} 105 \\ 115 \\ 145 \end{matrix} F$		$\text{---} \quad \sim 50/60 \text{ Hz}$		Flash/min. 110 ± 20	
IP 65		$^{\circ}C -30 +50$	On ∞			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

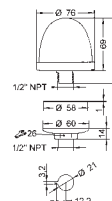


OVOLUX L MT

OVOLMT *

⑬

	$V \text{ ---}$	$12 \div 24 \div 48$					
	$V \sim$	$24 \div 48 \div 110 \div 230 \div 240$					
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

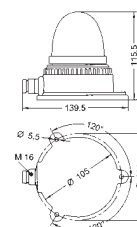


OVOLUX PG9 L MT

OVOPG9LMT *

⑬

	$V \text{ ---}$	$12 \div 24 \div 48$					
	$V \sim$	$24 \div 48 \div 110 \div 230 \div 240$					
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

OVOPG9LMT1248D1	30071	OVOPG9LMT24240A1	30111
OVOPG9LMT1248D2	30072	OVOPG9LMT24240A2	30112
OVOPG9LMT1248D3	30073	OVOPG9LMT24240A3	30113
OVOPG9LMT1248D4	30074	OVOPG9LMT24240A4	30114
OVOPG9LMT1248D5	30075	OVOPG9LMT24240A5	30115
OVOPG9LMT1248D6	30076	OVOPG9LMT24240A6	30116

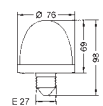


OVOLUX E L MT

OVOELMT *

⑬

	$V \text{ ---}$	$12 \div 24 \div 48$					
	$V \sim$	$24 \div 48 \div 110 \div 230 \div 240$					
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.

V 12÷48 --- -24÷240~(±10%)		Ba15d LD ¹⁰³ ₁₀₅ 143 F-145 F		== ~ 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 SELBSTLOSCHEND AUTOEXTINGUIBLE

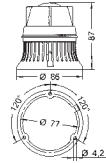


MICROLAMP L MT
ML L MT *

(13)

	V ---	12 ÷ 24 ÷ 48					
	V ~	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	420	215	105	45	21	20
	Cd (p)	25	18	8	3	2	2

MLLMT1248D1	79601	MLLMT24240A1	79611
MLLMT1248D2	79602	MLLMT24240A2	79612
MLLMT1248D3	79603	MLLMT24240A3	79613
MLLMT1248D4	79604	MLLMT24240A4	79614
MLLMT1248D5	79605	MLLMT24240A5	79615
MLLMT1248D6	79606	MLLMT24240A6	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

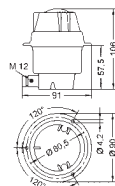


MICROLAMP R L MT
ML R L MT *

(13)

	V ---	12 ÷ 24 ÷ 48					
	V ~	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	420	215	105	45	21	20
	Cd (p)	25	18	8	3	2	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 ¹¹³⁻¹¹⁵ _{143 F}		CTL900: Ba15d LD ¹¹³⁻¹¹⁵ _{143 F}		CTL1200: Ba15d LD ¹¹⁵ _{143 F} ^{145 F}	
==	~ 50/60 Hz	Flash/min. 110±20	IP 54		°C -30 +50		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE
On ∞			1 2 3 4 5 6	PC			

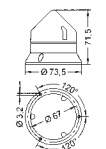


CTL 600 L MT
CTL 600 L MT *

(13)

	V ---	12 ÷ 24 ÷ 48					
	V ~	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	425	215	105	45	21	20
	Cd (p)	30	30	10	3	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

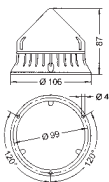


CTL 900 L MT
CTL 900 L MT *

(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

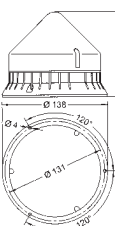


CTL 1200 L MT
CTL 1200 L MT *

(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

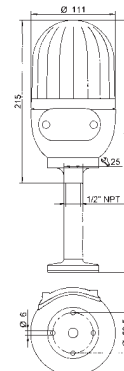
$V_{12 \div 48} \text{ --- } 24 \div 240 \sim (\pm 10\%)$		Ba 15d LD 105-205		$V_{12 \div 240} \sim$	$\text{---} \sim 50/60 \text{ Hz}$	Flash/min. 110±20	
IP 65		°C -30 +60	On ∞			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



BABYLAMP L MT
BABYLMT *

⑥

 BA 15d 25W LR BA 15d 25W	$V \text{ ---}$	12 ÷ 24 ÷ 48			—	—	—
	$V \sim$	—	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	A	2.2	1.1	0.52	0.22	0.11	0.10
	Cd (p)	100	70	60	75	75	80



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						6 / PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

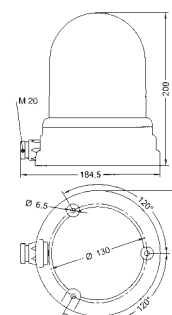


PG/AGR/L
PGAGRLMT *
PGAGRLH

③

 BA 15d 40W LR BA 15d 40W	$V \text{ ---}$	12 ÷ 24 ÷ 48			—	—	—
	$V \sim$	—	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

 H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	$V \text{ ---}$	12	24
	$V \sim$	12	24
	A	4.6	2.9
	Cd (p)	800	800



Kg. 0,66

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 / ₁₀₅ / ₂₀₅ MAF: Ba15d LD ¹⁰⁵ / ₂₀₅	== ~ 50/60 Hz	Flash/min. 110±20
IP 54	°C -30 +50	On ∞	PC
1 2 3 4 5 6			
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE			



MINIFLASH N

MF N L MT *
MF N H

⑬

M 16



MINIFLASH P

MF P L MT *
MF P H

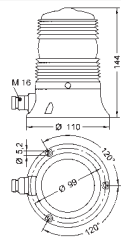
⑬



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
	Cd (p)	150	200	270	30	45	45

BA 15d 25W
LR BA 15d 25W

	V ---	12	24
	V ~	12	24
	A	4.6	2.9
	Cd (p)	600	500

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

MFNLMT1248D1	89171	MFPLMT24240A1	89221	MFNH12D1	82481	MFNH24A1	82511	MFPH24D1	82541	MFEH12A1	82571
MFNLMT1248D2	89172	MFPLMT24240A2	89222	MFNH12D2	82482	MFNH24A2	82512	MFPH24D2	82542	MFEH12A2	82572
MFNLMT1248D3	89173	MFPLMT24240A3	89223	MFNH12D3	82483	MFNH24A3	82513	MFPH24D3	82543	MFEH12A3	82573
MFNLMT1248D4	89174	MFPLMT24240A4	89224	MFNH12D4	82484	MFNH24A4	82514	MFPH24D4	82544	MFEH12A4	82574
MFNLMT1248D5	89175	MFPLMT24240A5	89225	MFNH12D5	82485	MFNH24A5	82515	MFPH24D5	82545	MFEH12A5	82575
MFNLMT1248D6	89176	MFPLMT24240A6	89226	MFNH12D6	82486	MFNH24A6	82516	MFPH24D6	82546	MFEH12A6	82576
MFNLMT24240A1	89181	MFELMT1248D1	89611	MFNH12A1	82491	MFPH12D1	82521	MFPH24A1	82551	MFEH24D1	82581
MFNLMT24240A2	89182	MFELMT1248D2	89612	MFNH12A2	82492	MFPH12D2	82522	MFPH24A2	82552	MFEH24D2	82582
MFNLMT24240A3	89183	MFELMT1248D3	89613	MFNH12A3	82493	MFPH12D3	82523	MFPH24A3	82553	MFEH24D3	82583
MFNLMT24240A4	89184	MFELMT1248D4	89614	MFNH12A4	82494	MFPH12D4	82524	MFPH24A4	82554	MFEH24D4	82584
MFNLMT24240A5	89185	MFELMT1248D5	89615	MFNH12A5	82495	MFPH12D5	82525	MFPH24A5	82555	MFEH24D5	82585
MFNLMT24240A6	89186	MFELMT1248D6	89616	MFNH12A6	82496	MFPH12D6	82526	MFPH24A6	82556	MFEH24D6	82586
MFPLMT1248D1	89211	MFELMT24240A1	89251	MFNH24D1	82501	MFEH12D1	82531	MFEH24A1	82561	MFEH24A1	82591
MFPLMT1248D2	89212	MFELMT24240A2	89252	MFNH24D2	82502	MFEH12D2	82532	MFEH24A2	82562	MFEH24A2	82592
MFPLMT1248D3	89213	MFELMT24240A3	89253	MFNH24D3	82503	MFEH12D3	82533	MFEH24A3	82563	MFEH24A3	82593
MFPLMT1248D4	89214	MFELMT24240A4	89254	MFNH24D4	82504	MFEH12D4	82534	MFEH24A4	82564	MFEH24A4	82594
MFPLMT1248D5	89215	MFELMT24240A5	89255	MFNH24D5	82505	MFEH12D5	82535	MFEH24A5	82565	MFEH24A5	82595
MFPLMT1248D6	89216	MFELMT24240A6	89256	MFNH24D6	82506	MFEH12D6	82536	MFEH24A6	82566	MFEH24A6	82596

Kg. 0,35

Kg. 0,30



MAXIFLASH N

MAF N L MT *
MAF N H

⑥

M 16



MAXIFLASH P

MAF P L MT *
MAF P H

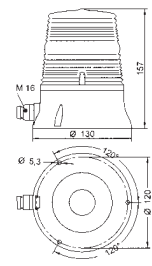
⑥



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
	Cd (p)	135	140	140	20	30	30

BA 15d 25W
LR BA 15d 25W

	V ---	12	24
	V ~	12	24
	A	4.6	2.9
	Cd (p)	350	350

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

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

BA 15d 40W
LR BA 15d 40W

Kg. 0,45

MAFNLMT1248D1	89331	MAFPLMT24240A1	89381	MAFNH12D1	83801	MAFNH24A1	83831	MAFPH24D1	83861	MAFEH12A1	83891
MAFNLMT1248D2	89332	MAFPLMT24240A2	89382	MAFNH12D2	83802	MAFNH24A2	83832	MAFPH24D2	83862	MAFEH12A2	83892
MAFNLMT1248D3	89333	MAFPLMT24240A3	89383	MAFNH12D3	83803	MAFNH24A3	83833	MAFPH24D3	83863	MAFEH12A3	83893
MAFNLMT1248D4	89334	MAFPLMT24240A4	89384	MAFNH12D4	83804	MAFNH24A4	83834	MAFPH24D4	83864	MAFEH12A4	83894
MAFNLMT1248D5	89335	MAFPLMT24240A5	89385	MAFNH12D5	83805	MAFNH24A5	83835	MAFPH24D5	83865	MAFEH12A5	83895
MAFNLMT1248D6	89336	MAFPLMT24240A6	89386	MAFNH12D6	83806	MAFNH24A6	83836	MAFPH24D6	83866	MAFEH12A6	83896
MAFNLMT24240A1	89341	MAFELMT1248D1	89621	MAFNH12A1	83811	MAFPH12D1	83841	MAFPH24A1	83871	MAFEH24D1	83901
MAFNLMT24240A2	89342	MAFELMT1248D2	89622	MAFNH12A2	83812	MAFPH12D2	83842	MAFPH24A2	83872	MAFEH24D2	83902
MAFNLMT24240A3	89343	MAFELMT1248D3	89623	MAFNH12A3	83813	MAFPH12D3	83843	MAFPH24A3	83873	MAFEH24D3	83903
MAFNLMT24240A4	89344	MAFELMT1248D4	89624	MAFNH12A4	83814	MAFPH12D4	83844	MAFPH24A4	83874	MAFEH24D4	83904
MAFNLMT24240A5	89345	MAFELMT1248D5	89625	MAFNH12A5	83815	MAFPH12D5	83845	MAFPH24A5	83875	MAFEH24D5	83905
MAFNLMT24240A6	89346	MAFELMT1248D6	89626	MAFNH12A6	83816	MAFPH12D6	83846	MAFPH24A6	83876	MAFEH24D6	83906
MAFPLMT1248D1	89371	MAFELMT24240A1	89411	MAFNH24D1	83821	MAFPH12A1	83851	MAFEH12D1	83881	MAFEH24A1	83911
MAFPLMT1248D2	89372	MAFELMT24240A2	89412	MAFNH24D2	83822	MAFPH12A2	83852	MAFEH12D2	83882	MAFEH24A2	83912
MAFPLMT1248D3	89373	MAFELMT24240A3	89413	MAFNH24D3	83823	MAFPH12A3	83853	MAFEH12D3	83883	MAFEH24A3	83913
MAFPLMT1248D4	89374	MAFELMT24240A4	89414	MAFNH24D4	83824	MAFPH12A4	83854	MAFEH12D4	83884	MAFEH24A4	83914
MAFPLMT1248D5	89375	MAFELMT24240A5	89415	MAFNH24D5	83825	MAFPH12A5	83855	MAFEH12D5	83885	MAFEH24A5	83915
MAFPLMT1248D6	89376	MAFELMT24240A6	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



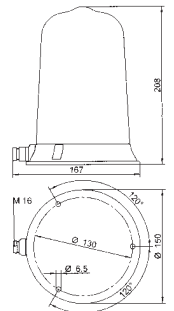
LAMPALLARM FRESNEL P B

LA P B L M T *
LA P B H



 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	0.17	0.17
	Cd (p)	800	1000	800	75	150	150

V ---	12	24
V ~	12	24
A	4.6	2.9
Cd (p)	800	800



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



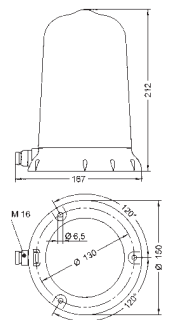
LAMPALLARM FRESNEL AL B

LA AL B L M T *
LA AL B H



 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	0.17	0.17
	Cd (p)	800	1000	800	75	150	150

V ---	12	24
V ~	12	24
A	4.6	2.9
Cd (p)	800	800



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)	Tensione di ricarica 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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



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

LAMPALLARM FRESNEL A

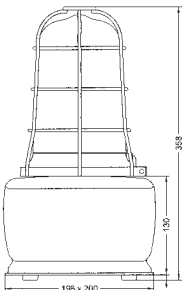
A LA



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

V ---	12
A	2.1
Cd (p)	300
On:	5 h
Flash/min	110 ± 20

BA 15d 25W
LR BA 15d 25W



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



BLINDO LAMPALLARM FRESNEL AL B

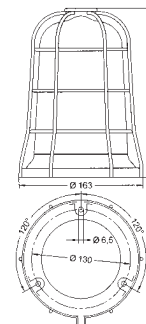
BD LA AL B L MT *
BD LA AL B H

(2) (17)

 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	0.17	0.17
	Cd (p)	800	1000	800	75	150	150

	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)	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



Kg. 0,95



BLINDO LAMPALLARM FRESNEL P AG

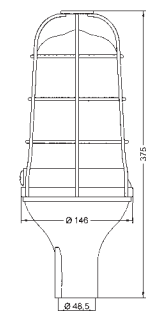
BD LA P AG L MT *
BD LA P AG H

(6) (7) (17)

 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	0.17	0.17
	Cd (p)	800	1000	800	75	150	150

	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)	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		



Kg. 1,3

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

SEGNALATORE STAGNO

WATERPROOF BEACON
FEU ETANCHE
WASSERDICHT LEUCHTE
LUZ ESTANCA



LAMPALLARM FRESNEL STAGNO

ST LA
ST LA H

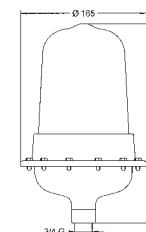
(10)

INOX
STAINLESS STEEL
INOX
EDELSTAHL
INOX

	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)	800	1000	800	75	150	150

	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)	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		



Kg. 1,33

* 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 12-24-48-110-230-240 (±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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



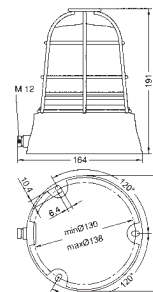
BLINDO LAMP

BD L
BD L H

(2) (17)

 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)	200	150	100	100	100	100

 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)	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 (±10%)		==	~ 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 AUTOEXTINGUIBLE	



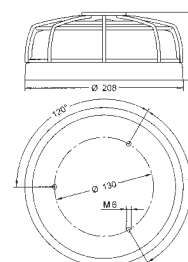
BLINDO FLATLAMP

BD FTL
BD FTL H

(2) (17)

 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)	2000	1500	300	200	200	200

 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)	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 (±10%)	==	~ 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-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE				

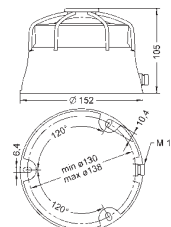


BLINDO FARO

BD 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
	SEALED BEAM	Cd (p)	21000	21000



BDFR24D6

86357

Kg. 0,95

V 12-24-110-230-240 (±10%)	V 12-24-48: Ba15s LD ¹⁰⁵ / ₁₁₅ / ₂₀₅	V 110-230: E14 LD ¹⁰⁵ / ₁₁₅ / ₂₀₅	==
~ 50/60 Hz	Flash/min. 110±20	IP 54	
On ∞		1 2 3 4 5 6	PC
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			



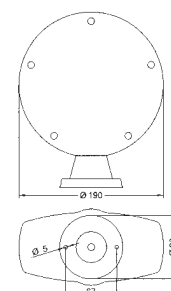
FAROLAMP N

FRL N
FRL N H

(9)

	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)	2000	1500	300	200	200	200

	V ==	12	24
	V ~	12	24
	A	4.6	2.9
	Cd (p)	4000	3600



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	FRLNH12D1	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		

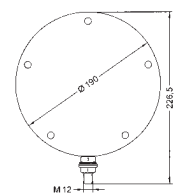


FAROLAMP P

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 (±10%) H1: 12-24			E27 LD 205 345 445 545	==	~ 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



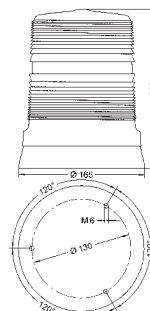
STROBOLAMP N

STL N
STL N 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

 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. 1,0

STLN12D2	87200	STLN24D1	87211	STLN24A6	87217	STLN110A4	87224	STLN240A2	87230	STLNH12A1	87256	STLNH24D5	87249
STLN12D3	87203	STLN24D2	87210	STLN48D2	87239	STLN110A5	87237	STLN240A3	87233	STLNH12A2	87255	STLNH24D6	87262
STLN12D4	87204	STLN24D3	87213	STLN48D3	87240	STLN110A6	87222	STLN240A4	87234	STLNH12A3	87258	STLNH24A1	87266
STLN12D5	87235	STLN24D4	87214	STLN48D5	87242	STLN230A1	87226	STLN240A5	87245	STLNH12A4	87259	STLNH24A2	87265
STLN12D6	87202	STLN24D5	87236	STLN48A2	87243	STLN230A2	87225	STLN240A6	87232	STLNH12A5	87418	STLNH24A3	87268
STLN12A1	87206	STLN24D6	87212	STLN48A3	87244	STLN230A3	87228	STLNH12D1	87251	STLNH12A6	87257	STLNH24A4	87269
STLN12A2	87205	STLN24A1	87216	STLN48A5	87219	STLN230A4	87229	STLNH12D2	87250	STLNH24D1	87261	STLNH24A5	87248
STLN12A3	87208	STLN24A2	87215	STLN110A1	87221	STLN230A5	87238	STLNH12D3	87253	STLNH24D2	87260	STLNH24A6	87267
STLN12A4	87209	STLN24A3	87218	STLN110A2	87220	STLN230A6	87227	STLNH12D4	87254	STLNH24D3	87263		
STLN12A6	87207	STLN24A5	87241	STLN110A3	87223	STLN240A1	87231	STLNH12D6	87252	STLNH24D4	87264		



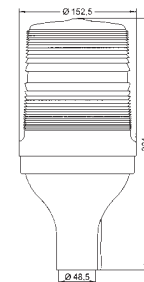
STROBOLAMP AG

STL AG
STL AG H

⑦

 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 (±10%)		==	~ 50/60 Hz	Flash/min. 110±20		IP 54
°C -30 +50	On ∞	M 20			PMMA	

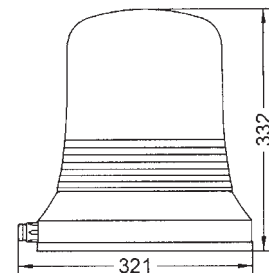


LAMPOLUX H

LPX H

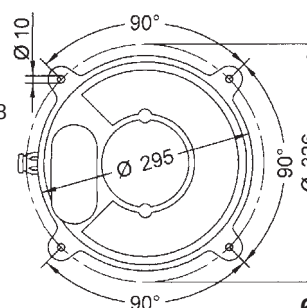
⑤ ⑭

 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

LPXH12D2	26051	LPXH110A3	26064
LPXH12D3	26052	LPXH230A2	26069
LPXH24D2	26057	LPXH230A3	26070
LPXH24D3	26058	LPXH240A2	26075
LPXH110A2	26063	LPXH240A3	26076





LUCI FISSE

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

V 12 ÷ 240 $\overline{\sim}$ ($\pm 10\%$)	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 SELBSTLOSCHEND AUTOEXTINGUIBLE



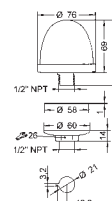
OVOLUX F MT

OVOFMT *

(13)

	V $\overline{\sim}$	12 ÷ 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

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



Kg. 0,15



OVOLUX PG9 F MT

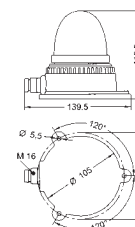
OVOPG9FMT *

(13)

M 16

	V $\overline{\sim}$	12 ÷ 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

OVOPG9FMT12240DA1	30031	OVOPG9FMT12240DA4	30034
OVOPG9FMT12240DA2	30032	OVOPG9FMT12240DA5	30035
OVOPG9FMT12240DA3	30033	OVOPG9FMT12240DA6	30036



Kg. 0,24



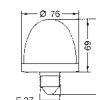
OVOLUX E F MT

OVOEFMT *

(13)

	V $\overline{\sim}$	12 ÷ 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

OVOEFMT12240DA1	31331	OVOEFMT12240DA4	31334
OVOEFMT12240DA2	31332	OVOEFMT12240DA5	31335
OVOEFMT12240DA3	31333	OVOEFMT12240DA6	31336



Kg. 0,10

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 FISSE**

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

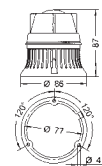
V 12÷240 $\overline{\sim}$ ($\pm 10\%$)	Ba15d LD ¹⁰³ 105-143 F 145 F	==	~ 50/60 Hz	IP 54
	°C -30 +50	On ∞		1 2 3 4 5 / 6 / PC
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE				

**MICROLAMP F MT**
ML F MT *

⑬

 BA 15d 5W LR BA 15d 5W	V $\overline{\sim}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	415	210	105	45	22	21
	Cd (p)	25	18	8	3	2	2

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



Kg. 0,12

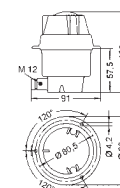
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

**MICROLAMP R F MT**
ML R F MT *

⑬

 BA 15d 5W LR BA 15d 5W	V $\overline{\sim}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	415	210	105	45	22	21
	Cd (p)	25	18	8	3	2	2

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



Kg. 0,15

V 12÷240 $\overline{\sim}$ ($\pm 10\%$)	CTL600: Ba15d LD 143 F - CTL900: Ba15d LD ¹¹³⁻¹¹⁵ 143 F 145 F - CTL1200: Ba15d LD ¹¹⁵ 143 F 145 F			
==	~ 50/60 Hz	IP 54		°C -30 +50
On ∞		1 2 3 4 5 / 6 / PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

**CTL 600 F MT**
CTL 600 F MT *

⑬

 BA 15d 5W LR BA 15d 5W	V $\overline{\sim}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	415	210	105	45	22	21
	Cd (p)	30	30	10	3	3	3

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



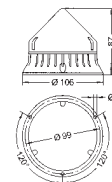
Kg. 0,074

**CTL 900 F MT**
CTL 900 F MT *

⑬

 BA 15d 10W LR BA 15d 10W	V $\overline{\sim}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	830	415	210	90	44	42
	Cd (p)	160	150	140	20	30	30

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



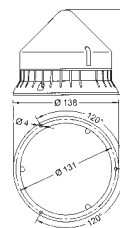
Kg. 0,15

**CTL 1200 F MT**
CTL 1200 F MT *

⑬

 BA 15d 25W LR BA 15d 25W	V $\overline{\sim}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	A	2.1	1.1	0.52	0.22	0.11	0.10
	Cd (p)	450	500	500	50	80	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.

**LUCI FISSE**

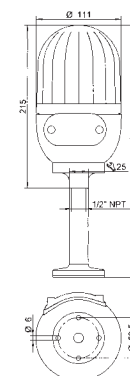
CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE / DAUERLEUCHTEN / LUCES FIJAS

V 12÷240 $\overline{\sim}$ ($\pm 10\%$)		Ba 15d LD 105 - 205		$\equiv$	$\sim$ 50/60 Hz	IP 65	
	°C -30 +60	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

**BABYLAMP F MT**
BABYFMT *

⑥

 BA 15d 25W LR BA 15d 25W	V $\overline{\sim}$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	A	2.1	1.1	0.52	0.22	0.11	0.10
	Cd (p)	100	70	60	75	75	80



Kg. 0,53

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

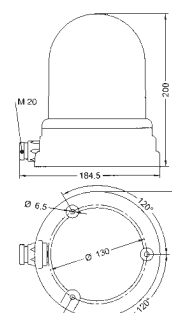
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición

V 12÷240 $\overline{\sim}$ ($\pm 10\%$)		Ba15d LD 105-115-205		$\equiv$	$\sim$ 50/60 Hz	IP 55	
	°C -30 +50	On ∞	M 20		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

**PG/AGR/F MT**
PG AGR F MT *

③

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

$V_{12 \div 240} \sim (\pm 10\%)$	MF: Ba15d LD ¹⁰³ ₁₀₅ ²⁰⁵ MAF: Ba15d LD ¹⁰⁵ ₂₀₅	$\sim$	$\sim$ 50/60 Hz	IP 54
	$^{\circ}\text{C} -30 +50$	On ∞		1 2 3 4 5 6
				PC
				AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



M 16
MINIFLASH
N F MT
MF N F MT *

⑬



MINIFLASH
P F MT
MF P F MT *

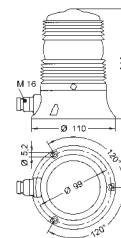
⑬



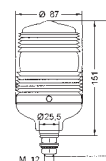
MINIFLASH
E F MT
MF E F MT *

⑬

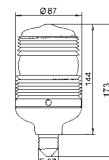
	$V \sim$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
BA 15d 25W LR BA 15d 25W	A	2.1	1.1	0.52	0.22	0.11	0.10
	Cd (p)	150	200	270	30	45	45



Kg. 0,4



Kg. 0,35



Kg. 0,30

MFNFMT12240DA1	89111	MFPFMT12240DA1	89131	MFEFMT12240DA1	89151
MFNFMT12240DA2	89112	MFPFMT12240DA2	89132	MFEFMT12240DA2	89152
MFNFMT12240DA3	89113	MFPFMT12240DA3	89133	MFEFMT12240DA3	89153
MFNFMT12240DA4	89114	MFPFMT12240DA4	89134	MFEFMT12240DA4	89154
MFNFMT12240DA5	89115	MFPFMT12240DA5	89135	MFEFMT12240DA5	89155
MFNFMT12240DA6	89116	MFPFMT12240DA6	89136	MFEFMT12240DA6	89156



M 16
MAXIFLASH
N F MT
MAF N F MT *

⑥



MAXIFLASH
P F MT
MAF P F MT *

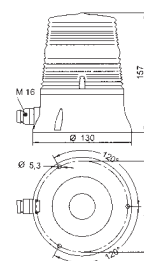
⑥



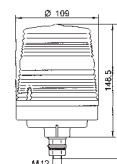
MAXIFLASH
E F MT
MAF E F MT *

⑥

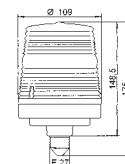
	$V \sim$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
BA 15d 25W LR BA 15d 25W	A	2.1	1.1	0.52	0.22	0.11	0.10
	Cd (p)	135	140	140	20	30	30



Kg. 0,4



Kg. 0,4



Kg. 0,45

	$V \sim$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
BA 15d 40W LR BA 15d 40W	A	3.3	1.65	0.83	0.36	0.17	0.17
	Cd (p)	300	450	400	50	80	80

MAFNMT12240DA1	89271	MAFPFMT12240DA1	89291	MAFEFMT12240DA1	89311
MAFNMT12240DA2	89272	MAFPFMT12240DA2	89292	MAFEFMT12240DA2	89312
MAFNMT12240DA3	89273	MAFPFMT12240DA3	89293	MAFEFMT12240DA3	89313
MAFNMT12240DA4	89274	MAFPFMT12240DA4	89294	MAFEFMT12240DA4	89314
MAFNMT12240DA5	89275	MAFPFMT12240DA5	89295	MAFEFMT12240DA5	89315
MAFNMT12240DA6	89276	MAFPFMT12240DA6	89296	MAFEFMT12240DA6	89316

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 FISSE**

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

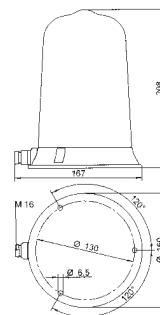
V 12 ÷ 240 (±10%)	Ba15d LD 105-115-205	==	~ 50/60 Hz	IP 54
°C -30 +50	On ∞		1 2 3 4 5 6 / PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

**M 16**

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

①

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



Kg. 0,5

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

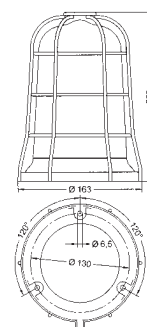
Per ordinare l'opzione nera vedere codici su listino in vigore - Black option available on request - Couleur noire disponible sur demande - Farbe Schwarz auf Anfrage lieferbar - Color negro disponible bajo petición



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

② ①⑦

	V ==	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
BA 15d 40W LR BA 15d 40W	A	3.3	1.65	0.83	0.36	0.17	0.17
	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

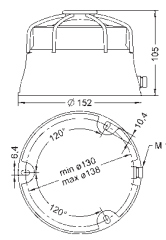
V 12-24 (±10%)	==	~ 50/60 Hz	IP 54	°C -30 +50
On ∞	M 12		6 / VETRO GLASS VERRE GLAS VIDRIO	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



**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
	SEALED BEAM	Cd (p)	21000	21000



Kg. 0,95

FBD FR24D6

86350

**LUCI FISSE**

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

V₁₂₋₂₄₋₁₁₀₋₂₃₀₋₂₄₀ (±10%)		V₁₂₋₂₄₋₄₈: B_{a15s} LD ¹⁰⁵/₁₁₅/₂₀₅		V₁₁₀₋₂₃₀: E₁₄ LD ¹⁰⁵/₁₁₅/₂₀₅		==	~ 50/60 Hz
IP 54		°C -40 +50	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



FAROLAMP N LF
FFRL N
FFRL N H

⑨



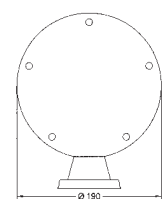
FAROLAMP P LF
FFRL P
FFRL P H

④

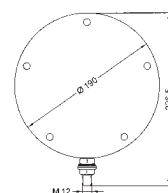
	V ==	12	24	48	—	—	—
	V ~	12	24	48	110	230	240
	A	3.8	1.9	0.9	0.36	0.18	0.17
	Cd (p)	2000	1500	300	200	200	200

	V ==	12	24
	V ~	12	24
	A	4.6	2.9
	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		



Kg. 0,84



Kg. 0,72

V₁₂₋₂₄₋₄₈₋₁₁₀₋₂₃₀₋₂₄₀ (±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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



STROBOLAMP N LF
FSTL N
FSTL N H

②



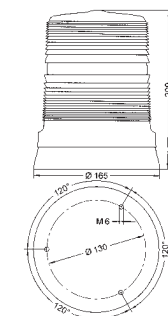
STROBOLAMP AG LF
FSTL AG
FSTL AG H

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
	Cd (p)	600	450	300	250	300	250

	V ==	12	24
	V ~	12	24
	A	4.6	2.9
	Cd (p)	1100	1100

FSTLN12DA2	81600	FSTLN48A3	81614	FSTLN230DA2	81604	FSTLNH24DA1	81631
FSTLN24DA1	81628	FSTLN110DA1	81639	FSTLN230DA3	81605	FSTLNH24DA2	81609
FSTLN24DA2	81601	FSTLN110DA2	81607	FSTLN230DA6	81598	FSTLNH24DA3	81608
FSTLN24DA3	81602	FSTLN110DA3	81633	FSTLN240DA2	81613	FSTLNH24DA4	81622
FSTLN24DA5	81615	FSTLN110DA5	81638	FSTLN240DA3	81616	FSTLNH24DA6	81619
FSTLN48A2	81606	FSTLN230DA1	81599	FSTLNH12DA2	81621		

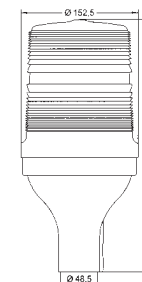


Kg. 1,0

	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

	V ==	12	24
	V ~	12	24
	A	4.6	2.9
	Cd (p)	1100	1100

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



Kg. 1,2

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.



LUCI FISSE - SEGNALI PER OSTACOLI AEREI (SOV)

CONTINUOUS LIGHT BEACONS - OBSTRUCTION WARNING DEVICES FOR AIR NAVIGATION / FEUX A LUMIERE FIXE - FEUX DE SIGNALISATION POUR ZONES AEROPORTUAIRES / DAUERLEUCHTEN - LUFTHINDERNISSE-SIGNALANLAGEN / LUCES FIJAS - AVISADORES DE OBSTÁCULOS AÉREOS

V 12-24-110-230-240 (±10%)	==	~ 50/60 Hz	IP 65
°C -40 +60	On ∞	 1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

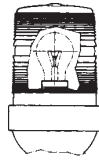


STROBOLAMP AG PA
STL AG PA*
STL AG PA 2H

⑦

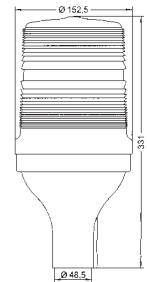
- * senza lampada
- * supplied without bulb
- * sans ampoule
- * ohne Lampe
- * sin lámpara

STLAGPA110DA2	87346	STLAGPA230DA3	87330	STLAGPA240DA3	87332
STLAGPA110DA3	87335	STLAGPA230DA4	87343	STLAGPA240DA4	87338
STLAGPA110DA4	87337	STLAGPA230DA5	87433	STLAGPA240DA5	87431
STLAGPA110DA6	87344	STLAGPA230DA6	87432	STLAGPA240DA6	87348
STLAGPA230DA1	87333	STLAGPA240DA1	87339	STLAGPA2H24DA2	87340
STLAGPA230DA2	87331	STLAGPA240DA2	87334	STLAGPA2H24DA3	87341



	V ==	110	230	240
	V ~			
	A	0.9	0.45	0.42
	Cd (p)	700	700	700

	V ==	12	24
	V ~		
	A	4.6	2.9
	Cd (p)	600	600



Kg. 1,2

V 24 - 230 (±10%)	==	~ 50/60 Hz	IP 65
°C -40 +60	On ∞	 3 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

SEGNALI PER OSTACOLI AEREI - OBSTRUCTION WARNING DEVICES FOR AIR NAVIGATION -
FEUX DE SIGNALISATION POUR ZONES AEROPORTUAIRES - LUFTHINDERNISSE-SIGNALANLAGEN - AVISADORES DE OBSTÁCULOS AÉREOS

2 STR AG A R A 100W *
2STRAGARA

⑦ ⑪

	V ~	24	230
	A	4.15	0.45
	Cd (p)	200	200

- Intensità luminosa di picco con cupola rossa
- Peak luminous intensity with red dome
- Intensité lumineuse de pic avec dôme rouge
- Spitzwert der Lichtstärke mit roter Haube
- Intensidad luminosa de pico con cúpula roja

2STRAGARA100W24A3	28055
2STRAGARA100W230A3	28051

Disponibile a richiesta RACCORDO PER 2 STR AG ARA - codice: 28097

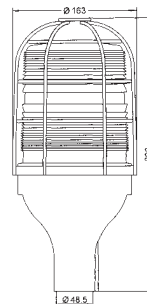
A SUPPORT to join the 2 STR AG ARA is available on request - part no. 28097

Disponible, sur demande, RACCORD POUR 2 STR AG ARA - code 28097

VERBINDUNG FÜR 2 STR AG ARA - Artikel-Nr. 28097 - auf Anfrage lieferbar

Disponible, bajo demanda, UNIÓN PARA 2 STR AG ARA - código 28097

V 24 - 230 (±10%)	==	~ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	IP 30		°C -30 +50



Kg. 1,2



1 STR AG A R A 2H 75W
1STRAGARA2H

⑦ ⑪

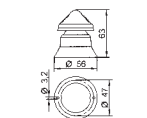
BIP OS 93
BIP OS 93

1STRAGARA2H24A3	28054
1STRAGARA2H230A3	28052

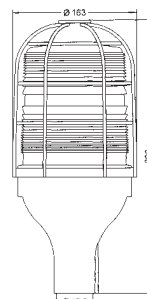
V ==	24	230
V ~		
mA	5	5
dB(A)1m	75	75
Hz	4000	4000

	V ~	24
	A	2.9
	Cd (p)	100

	V ~	230
	A	0.15
	Cd (p)	100



Kg. 0,06



Kg. 1,2

- Forniti con ronzatore BIP OS 93 per allertamento lampada fulminata.
- Accensione automatica lampada ausiliaria in caso di interruzione lampada primaria.
- * Disponibili versioni con lampada a LED conformi alle normative ICAO Annex 14 Chapter 6 Low Intensity type A - B
- Supplied with buzzer BIP OS 93 alerting lamp failure.
- In case of bulb failure the auxiliary bulb automatically comes on.
- * Versions are available with LED bulbs according to ICAO norms Annex 14 Chapter 6 Low Intensity type A - B
- Fournis avec buzzer BIP OS 93 pour avis ampoule grillée.
- Allumage automatique ampoule auxiliaire en cas d'interruption ampoule primaire.
- * Disponibles versions avec ampoules à LED'S selon les normes ICAO Annex 14 Chapter 6 Low Intensity type A - B
- Geliefert mit Warnsignalgeber BIP OS 93, um defektes Leuchtmittel zu signalisieren
- Automatisches Anzünden der Hilfsampe bei Unterbrechung der Primärlampe
- * Ausführungen mit LED-Leuchtmittel nach ICAO Normen - Annex 14 Chapter 6 Low Intensity type A - B - lieferbar
- Suministrado con zumbador BIP OS 93 para aviso de lámpara fundida.
- Encendido automático de la lámpara auxiliar si la primaria se funde.
- * Disponibles versiones con lámparas de LED'S según las normas ICAO Annex 14 Chapter 6 Low Intensity type A - B

- Intensità luminosa di picco con cupola rossa
- Peak luminous intensity with red dome
- Intensité lumineuse de pic avec dôme rouge
- Spitzwert der Lichtstärke mit roter Haube
- Intensidad luminosa de pico con cúpula roja



LUCI XENO

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

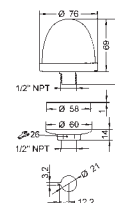
V 24 -110 -230 ÷ 240 (±10%)		=	~ 50/60 Hz	J 2	2 F	Flash/min. 2x65±10	
IP 65		°C -30 +40	On ∞			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



**OVOLUX X
OVOX**

13

2F XENON 2J LRX 2J	V =	24	—	—	—
	V ~	24	110	230÷240	
	mA	360	50	60	65
	Cd (p)	200	75	120	150
		100	35	90	100
		300	110	210	250



Kg. 0,15

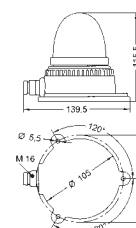
OVOX24DA1	30131	OVOX110A1	30171	OVOX230240A1	30211
OVOX24DA2	30132	OVOX110A2	30172	OVOX230240A2	30212
OVOX24DA3	30133	OVOX110A3	30173	OVOX230240A3	30213
OVOX24DA4	30134	OVOX110A4	30174	OVOX230240A4	30214
OVOX24DA5	30135	OVOX110A5	30175	OVOX230240A5	30215
OVOX24DA6	30136	OVOX110A6	30176	OVOX230240A6	30216



**OVOLUX PG9 X
OVOPG9X**

13

2F XENON 2J LRX 2J	V =	24	—	—	—
	V ~	24	110	230÷240	
	mA	360	50	60	65
	Cd (p)	200	75	120	150
		100	35	90	100
		300	110	210	250



Kg. 0,24

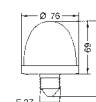
OVOPG9X24DA1	30151	OVOPG9X110A1	30191	OVOPG9X230240A1	30231
OVOPG9X24DA2	30152	OVOPG9X110A2	30192	OVOPG9X230240A2	30232
OVOPG9X24DA3	30153	OVOPG9X110A3	30193	OVOPG9X230240A3	30233
OVOPG9X24DA4	30154	OVOPG9X110A4	30194	OVOPG9X230240A4	30234
OVOPG9X24DA5	30155	OVOPG9X110A5	30195	OVOPG9X230240A5	30235
OVOPG9X24DA6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



**OVOLUX E X
OVOEX**

13

2F XENON 2J LRX 2J	V =	24	—	—	—
	V ~	24	110	230÷240	
	mA	360	50	60	65
	Cd (p)	200	75	120	150
		100	35	90	100
		300	110	210	250



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 (±10%)	= ~ 50/60 Hz	J 1	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 SELBSTLOSCHEND AUTOEXTINGUIBLE

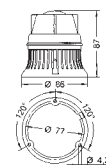


MICROXENOLAMP

MXL 1J 1F

13

1F XENON 1J LRX 1J	V =	12÷24		-	-	-
	V ~			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.

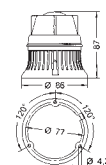


MICROXENOLAMP

MXL 1J 2F

13

2F XENON 1J LRX 1J	V =	12÷24		-	-	-
	V ~			110	230÷240	
	mA	200	160	70	60	65
	Cd (p)	350 300	450 300	350 200	750 600	850 750



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.

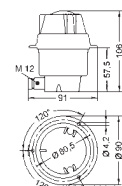


MICROXENOLAMP R

MXL R 1J 1F

13

1F XENON 1J LRX 1J	V =	12÷24		-	-	-
	V ~			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

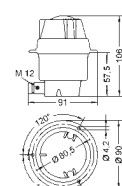


MICROXENOLAMP R

MXL R 1J 2F

13

2F XENON 1J LRX 1J	V =	12÷24		-	-	-
	V ~			110	230÷240	
	mA	200	160	70	60	65
	Cd (p)	350 300	450 300	350 200	750 600	850 750



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



LUCI XENO

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

V 12÷24-110-230÷240 (±10%)		== ~ 50/60 Hz	J 1-2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10	
IP 54		°C -10 +40	On		1 2 3 4 5 6 PC
					AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

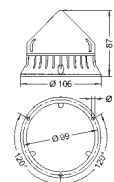


CTL X 900
CTL X 900 1J 1F

⑬

1F XENON 1J LRX 1J	V ==	12÷24		-	-	-
	V ~			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

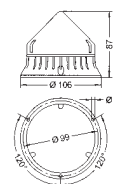


CTL X 900
CTL X 900 1J 2F

⑬

2F XENON 1J LRX 1J	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	300	250	50	60	65
	Cd (p)	1500	1650	700	700	700

CTLX9001J2F1224DA1	64466	CTLX9001J2F110A1	64472	CTLX9001J2F230240A1	64478
CTLX9001J2F1224DA2	64467	CTLX9001J2F110A2	64473	CTLX9001J2F230240A2	64479
CTLX9001J2F1224DA3	64468	CTLX9001J2F110A3	64474	CTLX9001J2F230240A3	64480
CTLX9001J2F1224DA4	64469	CTLX9001J2F110A4	64475	CTLX9001J2F230240A4	64481
CTLX9001J2F1224DA5	64470	CTLX9001J2F110A5	64476	CTLX9001J2F230240A5	64482
CTLX9001J2F1224DA6	64471	CTLX9001J2F110A6	64477	CTLX9001J2F230240A6	64483



Kg. 0,17

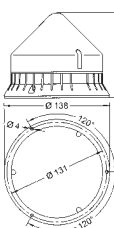


CTL X 1200
CTL X 1200 2J 1F
CTL X 1200 6J 1F

⑬

1F XENON 2J LRX 2J	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	2500	2750	1750	2000	2200
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)	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



Kg. 0,3

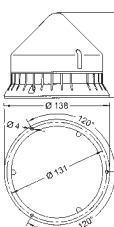


CTL X 1200
CTL X 1200 2J 2F
CTL X 1200 6J 2F

⑬

2F XENON 2J LRX 2J	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	800	950	1200	1150	1200
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)	1750	1750	2000	2600	2850

CTLX12002J2F1224DA1	64508	CTLX12002J2F230240A3	64517	CTLX12006J2F110A2	64554
CTLX12002J2F1224DA2	64509	CTLX12002J2F230240A4	64521	CTLX12006J2F110A3	64555
CTLX12002J2F1224DA3	64510	CTLX12002J2F230240A5	64522	CTLX12006J2F230240A1	64558
CTLX12002J2F1224DA4	64511	CTLX12002J2F230240A6	64523	CTLX12006J2F230240A2	64559
CTLX12002J2F1224DA5	64512	CTLX12006J2F1224DA1	64548	CTLX12006J2F230240A3	64560
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		



Kg. 0,3

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 (±10%)	50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10
IP 54	°C -30 +40	On ∞	PC
1 2 3 4 5 6			



XENOFASH N

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

13



XENOFASH P

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

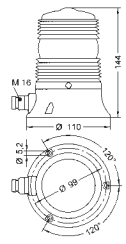
13



XENOFASH E

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

13



Kg. 0,30

1F XENON 2J LRX 2J	V	12÷24		—	—	—
	V	110		230÷240		
	mA	500	440	80	42	43
	Cd (p)	700	1000	1300	1400	1450

2F XENON 2J LRX 2J	V	12÷24		—	—	—
	V	110		230÷240		
	mA	470	400	95	36	37
	Cd (p)	350	400	600	500	550

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
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XF2J1FN110A2	63760	XF2J1FP1224DA6	63792	XF2J1FE1224DA3	63819	XF2J1FE230240A6	63832	XF2J2FE1224DA1	89631
XF2J1FN110A3	63761	XF2J1FP110A1	63793	XF2J1FE1224DA4	89617	XF2J2FN1224DA2	63777	XF2J2FE1224DA2	89632
XF2J1FN110A4	63762	XF2J1FP110A2	63794	XF2J1FE1224DA5	89618	XF2J2FN1224DA3	63778	XF2J2FE1224DA3	89633
XF2J1FN110A5	63763	XF2J1FP110A3	63795	XF2J1FE1224DA6	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



MAXIXENOFASH N

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

6



MAXIXENOFASH P

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

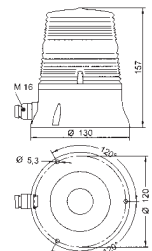
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MAXIXENOFASH E

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

6



Kg. 0,55

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
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)	2600	2600	2000	2600	2650

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
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)	570	600	450	1250	1300

MXF2J1FN1224DA1	63841	MXF6J1FN1224DA2	63866	MXF2J1FP1224DA5	63905	MXF6J1FP230240A1	63929	MXF2J1FE230240A3	63958	MXF6J2FN1224DA2	63894	MXF2J2FE1224DA2	89652
MXF2J1FN1224DA2	63842	MXF6J1FN1224DA3	63867	MXF2J1FP110A1	63906	MXF6J1FP230240A2	63930	MXF2J1FE230240A6	63959	MXF6J2FN1224DA3	63895	MXF2J2FE1224DA3	89653
MXF2J1FN1224DA3	63843	MXF6J1FN1224DA4	63868	MXF2J1FP110A2	63907	MXF6J1FP230240A3	63931	MXF6J1FE1224DA1	89661	MXF6J2FN1224DA5	63896	MXF2J2FE1224DA4	89654
MXF2J1FN1224DA4	63844	MXF6J1FN1224DA5	63869	MXF2J1FP110A3	63908	MXF6J1FP230240A4	63932	MXF6J1FE1224DA2	89662	MXF6J2FN110A2	63897	MXF2J2FE1224DA5	89655
MXF2J1FN1224DA5	63845	MXF6J1FN1224DA6	63870	MXF2J1FP110A4	63909	MXF6J1FP230240A5	63933	MXF6J1FE1224DA3	89663	MXF6J2FN110A3	63898	MXF2J2FE1224DA6	89656
MXF2J1FN1224DA6	63846	MXF6J1FN110A1	63871	MXF2J1FP230240A6	63910	MXF6J1FP230240A6	63934	MXF6J1FE1224DA4	89664	MXF6J2FN230240A2	63899	MXF2J2FE110A2	89657
MXF2J1FN110A1	63847	MXF6J1FN110A2	63872	MXF2J1FP230240A1	63911	MXF2J1FE1224DA1	89641	MXF6J1FE1224DA5	89665	MXF6J2FN230240A3	63900	MXF2J2FE230240A2	63979
MXF2J1FN110A2	63848	MXF6J1FN110A3	63873	MXF2J1FP230240A2	63912	MXF2J1FE1224DA2	89642	MXF6J1FE1224DA6	89666	MXF2J2FN230240A4	63901	MXF6J2FE1224DA3	89671
MXF2J1FN110A3	63849	MXF6J1FN110A4	63874	MXF2J1FP230240A3	63913	MXF2J1FE1224DA3	89643	MXF6J1FE110A2	63966	MXF2J2FP1224DA2	63930	MXF6J2FE1224DA4	89672
MXF2J1FN110A4	63850	MXF6J1FN110A5	63875	MXF2J1FP230240A4	63914	MXF2J1FE1224DA4	89644	MXF6J1FE110A3	63967	MXF2J2FP230240A2	63931	MXF6J2FE1224DA5	89673
MXF2J1FN110A5	63851	MXF6J1FN110A6	63876	MXF2J1FP230240A5	63915	MXF2J1FE1224DA5	89645	MXF6J1FE110A4	63968	MXF2J2FP110A2	63941	MXF6J2FE1224DA6	89674
MXF2J1FN110A6	63852	MXF6J1FN230240A1	63877	MXF2J1FP230240A6	63916	MXF2J1FE1224DA6	89646	MXF6J1FE230240A1	63969	MXF2J2FP230240A2	63942	MXF6J2FE1224DA5	89675
MXF2J1FN230240A1	63853	MXF6J1FN230240A2	63878	MXF6J1FP1224DA2	63922	MXF2J1FE110A1	63951	MXF6J1FE230240A2	63970	MXF2J2FP230240A6	63943	MXF6J2FE1224DA6	89676
MXF2J1FN230240A2	63854	MXF6J1FN230240A3	63879	MXF6J1FP110A1	63923	MXF2J1FE110A3	63952	MXF6J1FE230240A3	63971	MXF6J2FE1224DA1	63944	MXF6J2FE110A2	63981
MXF2J1FN230240A3	63855	MXF6J1FN230240A4	63880	MXF6J1FP110A2	63924	MXF2J1FE110A4	63953	MXF6J1FE230240A6	63972	MXF6J2FE1224DA2	63945	MXF6J2FE230240A2	63982
MXF2J1FN230240A4	63856	MXF6J1FN230240A5	63881	MXF6J1FP110A3	63925	MXF2J1FE110A5	63954	MXF6J2FN1224DA2	63889	MXF6J2FP110A2	63947		
MXF2J1FN230240A5	63857	MXF6J1FN230240A6	63882	MXF6J1FP110A4	63926	MXF2J1FE110A6	63955	MXF6J2FN110A2	63890	MXF6J2FP230240A2	63948		
MXF2J1FN230240A6	63858	MXF2J1FP1224DA1	63903	MXF6J1FP110A5	63927	MXF2J1FE230240A1	63956	MXF6J2FN230240A2	63891	MXF6J2FP230240A6	63949		
MXF6J1FN1224DA1	63865	MXF2J1FP1224DA2	63904	MXF6J1FP110A6	63928	MXF2J1FE230240A2	63957	MXF6J2FN1224DA1	63893	MXF2J2FE1224DA1	89651		

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

J 2: V 12÷24 -110 -230÷240 (±10%)				J 3/9: V 12÷24 -110÷240 (±10%)				==	~ 50/60 Hz
J 2	J 3/9	IP 65		°C -10 +50	On		1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



BABYFLASH

BABYX2J1F
BABYX2J2F
BABYX3/9J1/4F

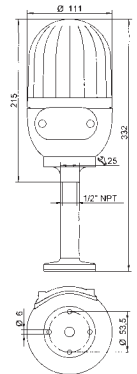
⑥

	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	700	1000	1300	1400	1450
	Fl/min	65±10				

XENON 2J
LRX 2J

	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	350	400	600	500	550
	Fl/min	250	300	400	250	300

XENON 2J
LRX 2J



2J Kg. 0,55
3/9J Kg. 0,62

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	
Cd(p)	1100	1100	1000	1000	1000	1F
Flash/min	140 ± 5		95 ± 5			
Cd(p)	1070 450	1070 850	900 1000	900 1000	900 1000	
Flash/min	95 ± 5		65 ± 5			2F
Cd(p)	1050 450 450	1050 850 850	950 1050 1050	850 1000 1000	850 1000 1000	3F
Flash/min	65 ± 5		55 ± 5			
Cd(p)	1050 450 450 450	1050 850 850 850	900 1000 1000 1000	900 1000 1000 1000	900 1000 1000 1000	
Flash/min	55 ± 5		45 ± 5			
Cd(p)	1050 450 450 450	1050 850 850 850	900 1000 1000 1000	900 1000 1000 1000	900 1000 1000 1000	
Flash/min	55 ± 5		45 ± 5			4F

XENON 3-9J
LRX 39J

XENON 3-9J
LRX 39J

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 (±10%)				==	~ 50/60 Hz	J 3/9	IP 54
°C -30 +40	On	M 16		1 2 3 4 5 6 PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE		



LAMPALLARM XENOFRESNEL P B

LAXPB3/9J1/4F

①

LAXPB39J14F1224DA1	84681
LAXPB39J14F1224DA2	84682
LAXPB39J14F1224DA3	84683
LAXPB39J14F1224DA4	84684
LAXPB39J14F1224DA5	84685
LAXPB39J14F1224DA6	84686
LAXPB14F110240DA1	84691
LAXPB14F110240DA2	84692
LAXPB14F110240DA3	84693
LAXPB14F110240DA4	84694
LAXPB14F110240DA5	84695
LAXPB14F110240DA6	84696

LAMPALLARM XENOFRESNEL AL B

LAXALB3/9J1/4F

②

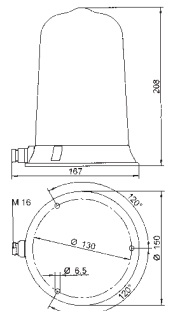


1/4F 	V 	12÷24		110÷230÷240				
	A 	1.8	1.2	0.35	0.25	0.25		
	V 	12÷24		110÷230÷240				
	A 	3	2	0.4	0.28	0.28		
	Cd(p)	2100	2100	1200	1200	1200	1F	
	Flash/min	140 ± 5		95 ± 5			2F	
	Cd(p)	2100 800	2100 1600	1800 2000	1800 2000	1800 2000		
	Flash/min	95 ± 5		65 ± 5			3F	
	Cd(p)	2100 800 750	2100 1800 1700	1800 2200 2300	1800 2200 2300	1800 2200 2300		
	Flash/min	65 ± 5		55 ± 5				4F
	Cd(p)	2200 900 800 700	2100 1800 1800 1700	2100 2500 2600 2600	2100 2500 2600 2600	2100 2500 2600 2600		
	Flash/min	55 ± 5		45 ± 5				

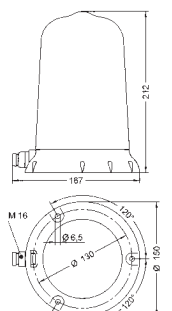
XENON 3-9J
LRX 39J

XENON 3-9J
LRX 39J

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÷24-110-230÷240 (±10%)		==	~ 50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10	
IP 55		°C -30 +40	On ∞	M 20		1 2 3 4 5 6 / PC
						AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

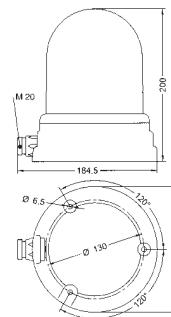


PG/X/AGR
PGXAGR 2J 1F
PGXAGR 2J 2F

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)	300 250	400 300	600 500	350 250	400 300

PGXAGR2J1F1224DA1	47361	PGXAGR2J1F230240A1	47371
PGXAGR2J1F1224DA2	47362	PGXAGR2J1F230240A2	47372
PGXAGR2J1F1224DA3	47363	PGXAGR2J1F230240A3	47373
PGXAGR2J1F1224DA5	47365	PGXAGR2J1F230240A4	47374
PGXAGR2J1F1224DA6	47366	PGXAGR2J1F230240A5	47375
		PGXAGR2J1F230240A6	47376



Kg. 0,72

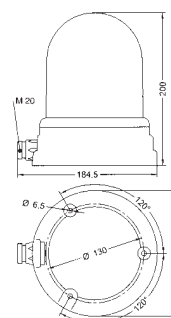


PG/X/AGR
PGXAGR 6J 1F
PGXAGR 6J 2F

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 500	2000 1000	980 600	2000 800	2250 1000

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		



Kg. 0,72

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 (±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

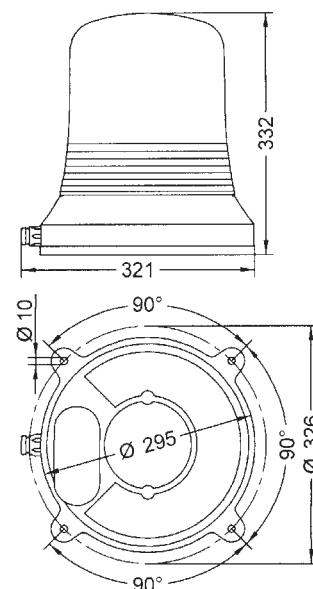
STX 15J 1F
STX 20J 2F

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 7500	26500 10000	5000 2000	17000 11000	17000 11000

STX15J1F1224D3	26112	STX20J2F110A2	26153
STX15J1F110A3	26124	STX20J2F110A3	26154
STX15J1F230240A2	26129	STX20J2F110A6	26157
STX15J1F230240A3	26130	STX20J2F230240A2	26159
STX20J2F1224D2	26141	STX20J2F230240A3	26160
STX20J2F1224D3	26142		





LUCI XENO

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

V 12÷24-110-230÷240 (±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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



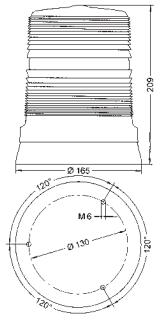
STROBOFLASH N

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 XENON 2J LRX 2J	V ==	12÷24		-	-	-
	V ~	110		230÷240		
	mA	500	440	80	42	43
	Cd (p)	1000	1200	2250	2750	3000

2F XENON 2J LRX 2J	V ==	12÷24		-	-	-
	V ~	110		230÷240		
	mA	470	400	95	36	37
	Cd (p)	700	900	900	550	600



Kg. 1,5

1F XENON 15J LRX 15J	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 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

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	2500	3150	3200

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)	1000	1000	700	2000	2000

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	STF2J2FN1224DA6	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

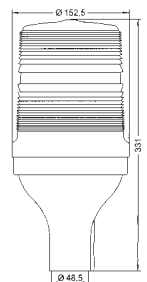


STROBOFLASH AG

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		



Kg. 1,66

* 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 item se recalienta excesivamente



LUCI XENO

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

V 12÷24-110-230÷240 (±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 AUTOEXTINGUIBLE



FAROLAMP XENO N

FRX 2J 1F N
FRX 2J 2F N
FRX 6J 1F N
FRX 6J 2F N

9

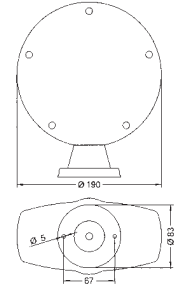


FAROLAMP XENO P

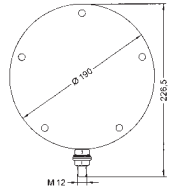
FRX 2J 1F P
FRX 2J 2F P
FRX 6J 1F P
FRX 6J 2F P

40

1F 	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	1800	2500	3000	4500	5000
2F 	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	1250 750	1600 1150	1500 900	1600 1000	1700 1100
1F 	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	900	450	80	120	120
	Cd (p)	8000	8000	6000	11000	12300
2F 	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	A	1.4	1.2	0.18	0.13	0.14
	Cd (p)	1900 800	2000 1500	1200 900	2000 1000	2200 1200



Kg. 0,96



Kg. 0,72

FRX2J1FN1224DA2	21891	FRX2J1FN230240A6	85138	FRX6J1FN110A2	85373	FRX6J2FN110A2	21963	FRX2J1FP230240A2	84981	FRX6J1FP110A2	84984
FRX2J1FN1224DA3	21892	FRX2J2FN1224DA2	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	FRX6J1FN110A3A	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	FRX6J2FP1224DA2	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 (±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 AUTOEXTINGUIBLE

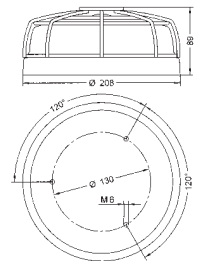


BLINDO FLATFLASH

BD FTF 2J 1F
BD FTF 2J 2F
BD FTF 6J 1F

14 17

1F 	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	1800	2500	3000	4500	5000
2F 	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	1250 750	1600 1150	1500 900	1600 1000	1700 1100
1F 	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		



LUCI XENO

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

V 12÷24-110-230÷240 (±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



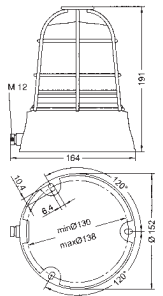
BLINDO FLASH

BD F 2J 1F
BD F 2J 2F
BD F 6J 1F
BD F 6J 2F

(2) (17)

	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	1500 500	2000 1000	980 600	2000 800	2250 1000

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



Kg. 1,0

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 (±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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



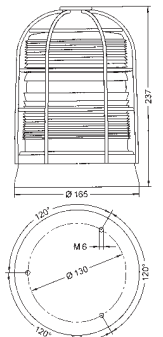
(2) (5) (17)

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

BDSTFAL2J1FN1224DA2	22467	BDSTFAL2J1FN1224DA3	22468
BDSTFAL2J1FN1224DA5	22470	BDSTFAL2J1FN110A2	86917
BDSTFAL2J1FN230240A2	86902	BDSTFAL2J1FN230240A3	86926
BDSTFAL2J1FN230240A5	86997	BDSTFAL2J2FN1224DA2	22473
BDSTFAL2J2FN110A2	22479	BDSTFAL2J2FN230240A2	22485
BDSTFAL2J2FN230240A3	22486	BDSTFAL2J2FN230240A5	22497
BDSTFAL2J2FN1224DA2	22497	BDSTFAL2J2FN110A3	86915
BDSTFAL2J2FN110A2	86919	BDSTFAL2J2FN230240A2	86925
BDSTFAL2J2FN230240A3	86925	BDSTFAL2J2FN230240A4	86909
BDSTFAL2J2FN230240A5	86920	BDSTFAL2J2FN1224DA2	22503
BDSTFAL2J2FN1224DA5	22506	BDSTFAL2J2FN110A2	22509
BDSTFAL2J2FN110A5	22512	BDSTFAL2J2FN110A6	22513
BDSTFAL2J2FN230240A2	22527	BDSTFAL2J2FN1224DA2	22528
BDSTFAL2J2FN1224DA3	22529	BDSTFAL2J2FN1224DA4	22530
BDSTFAL2J2FN1224DA5	86914	BDSTFAL2J2FN110A2	86975
BDSTFAL2J2FN110A3	22533	BDSTFAL2J2FN1224DA2	22539
BDSTFAL2J2FN110A4	22541	BDSTFAL2J2FN230240A2	22545
BDSTFAL2J2FN230240A3	22548	BDSTFAL2J2FN230240A5	22546

	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	500	440	80	42	43
	Cd (p)	1000	1200	2250	2750	3000
	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	mA	470	400	95	36	37
	Cd (p)	700 500	900 700	900 600	550 300	600 350
	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	A	1.2	1.3	0.35	0.21	0.22
	Cd (p)	4200	8000	6500	6000	7000
	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	A	1.1	1.3	0.25	0.20	0.21
	Cd (p)	3000 750	3250 1250	4000 2000	550 2000	5000 2500



Kg. 1,85



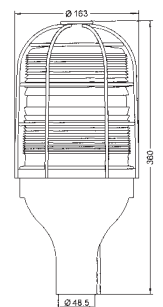
(5) (7) (17)

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

BDSTFAL2J1FAG1224DA2	22557	BDSTFAL2J1FAG230240A2	86962
BDSTFAL2J1FAG230240A5	86963	BDSTFAL2J1FAG230240A6	86964
BDSTFAL2J2FAG1224DA2	22563	BDSTFAL2J2FAG110A2	22569
BDSTFAL2J2FAG230240A2	22575	BDSTFAL2J2FAG230240A3	22587
BDSTFAL2J2FAG230240A5	22593	BDSTFAL2J2FAG230240A6	86971
BDSTFAL2J2FAG110A2	22599	BDSTFAL2J2FAG230240A2	22605
BDSTFAL2J2FAG230240A3	22617	BDSTFAL2J2FAG230240A5	22623
BDSTFAL2J2FAG230240A6	22629	BDSTFAL2J2FAG230240A2	22635

	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	A	3	1.5	0.11	0.13	0.14
	Cd (p)	40000	40000	7000	25000	30000
	V ==	12÷24		-	-	-
	V ~			110	230÷240	
	A	3.9	2.7	0.58	0.77	0.80
	Cd (p)	26500 7500	26500 10000	5000 2000	17000 11000	17000 11000



Kg. 2,0



LUCI XENO

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

V 12÷24-110-230÷240 (±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
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE					

SEGNALATORE STAGNO - WATERPROOF BEACON - FEU ETANCHE - WASSERDICHTLEUCHTE - LUZ ESTANCA



LAMPALLARM XENOFRESNEL STAGNO

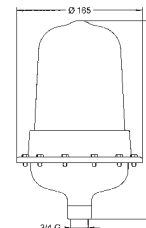
ST LA XFR 2J 1F
ST LA XFR 2J 2F
ST LA XFR 6J 1F
ST LA XFR 6J 2F

⑩

INOX
STAINLESS STEEL
INOX
EDELSTAHL
INOX

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



Kg. 1,53

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

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	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

V 12 (14.5)	Tensione di ricarica Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	==	Flash/min. 1F: 65±10	IP 54	°C -10 +40
(Batt.: 12 V - 7 Ah)		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

LUCI AUTOALIMENTATE
BATTERY OPERATED BEACONS - FEUX AUTO-ALIMENTES
LEUCHTEN MIT EIGENVERSORGUNG - LUCES AUTOALIMENTADAS

FORNITE SENZA BATTERIA
SUPPLIED WITHOUT BATTERY - FOURNIS SANS BATTERIE
OHNE AKKU GELIEFERT - SUMINISTRADAS SIN BATERIA



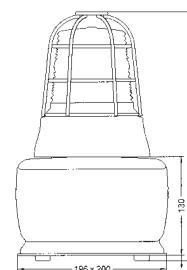
BLINDOFLASH A

A BDF 2J
A BDF 6J

⑥



 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

ABDF2J12D1 89602	ABDF2J12D5 89603	ABDF6J12D5 89607
ABDF2J12D2 89600	ABDF6J12D2 89606	
ABDF2J12D3 89601	ABDF6J12D3 89604	

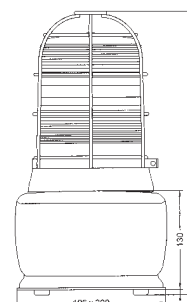
STROBOFLASH A

A STF 6J

⑥



 XENON 6J LRX 6J	V ==	12
	A	1
	Cd (p)	3000
	On: 7 h	



Kg. 2,77

ASTF6J1F12D1 89713	ASTF6J1F12D4 89715
ASTF6J1F12D2 89712	ASTF6J1F12D5 89711
ASTF6J1F12D3 89710	



DISPOSITIVI DI SEGNALEZIONE 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 (±10%)	==	~ 50/60 Hz	Flash/min. 0-130±20	IP 30	☐
🎵 ---	°C -30 +50	On ∞	🔊	1 2 3 4 5 6 / PC	AUTOESTINGUENTE SELF-EXTINGUISHING 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 CONTINU)

BLINK- (UND DAUER-) LICHT – AUSSETZENDE (UND DAUER) TONFOLGE

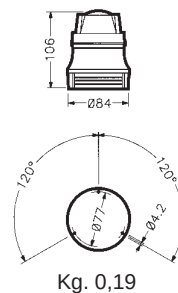
LUZ INTERMITENTE (Y FIJA) – SONIDO INTERMITENTE (Y CONTINUO)



MICROLAMP A FCL
ML A FCL

⑬

 Bd 15d 5W LR Ba 15d 5W	V ==	12	24	48	—	—	—
	V ~	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
	Hz 2700	🎵 --- F/m 130	🎵 --- F/m 0				



Kg. 0,19

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 (±10%)			==	~ 50/60 Hz	J 1	Flash/min. 1F: 65±10 - 2F: 2x65±10			
IP 30		 ---	°C -30 +40	On 			6 / PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

LUCE A FLASH - SUONO INTERMITTENTE

XENON FLASHING LIGHT – INTERMITTENT SOUND

LUMIERE A ECLATS – SON INTERMITTENT

BLITZLICHT – AUSSETZENDE TONFOLGE

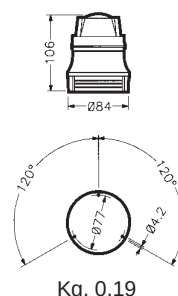
LUZ DE DESTELLOS – SONIDO INTERMITENTE



MICROXENOLAMP A
MXL A 1J 1F

⑬

1F  XENON 1J LRX 1J	V 	12÷24		—	—	—
	V 			110	230÷240	
	mA	205	165	50	45	50
	Cd (p)	350	450	350	750	850
	dB(A)1m	80	80	80	80	80
	Hz 3000±500			 --- F/m 65		



Kg. 0,19

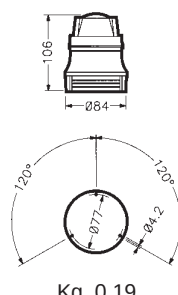
MXLA1F1224DA2	91661	MXLA1F110A3	91674
MXLA1F1224DA3	91662	MXLA1F110A5	91676
MXLA1F1224DA4	91663	MXLA1F230240A2	91679
MXLA1F1224DA5	91664	MXLA1F230240A3	91680
MXLA1F1224DA6	91665	MXLA1F230240A4	91681
MXLA1F110A2	91673	MXLA1F230240A5	91682



MICROXENOLAMP A
MXL A 1J 2F

⑬

2F  XENON 1J LRX 1J	V 	12÷24		—	—	—
	V 			110	230÷240	
	mA	205	165	75	65	70
	Cd (p)	350 300	450 300	350 200	750 600	850 700
	dB(A)1m	80	80	80	80	80
	Hz 3000±500			 --- F/m 65		



Kg. 0,19

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		

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 SEGNALEZIONE 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 (±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 AUTOEXTINGUIBLE					

LUCE LAMPEGGIANTE (E FISSA) - SUONO INTERMITTENTE (E CONTINUO)

FLASHING (AND CONTINUOUS) LIGHT – INTERMITTENT (AND CONTINUOUS) SOUND

LUMIERE CLIGNOTANTE (ET FIXE) – SON INTERMITTENT (ET CONTINUU)

BLINK- (UND DAUER-) LICHT – AUSSETZENDE (UND DAUER-) TONFOLGE

LUZ INTERMITENTE (Y FIJA) – SONIDO INTERMITENTE (Y CONTINUO)

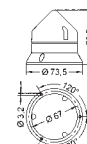


CTL A 600 FCL
CTL A 600 FCL

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
	Hz 3600	--- F/m 110		— F/m 0			

Ba 15d 5W
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

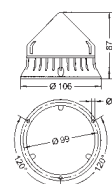


CTL A 900 FCL
CTL A 900 FCL

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
	Hz 2700	--- F/m 110		— F/m 0			

Ba 15d 10W
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

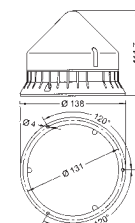


CTL A 1200 FCL
CTL A 1200 FCL

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
	Hz 3600	--- F/m 110		— F/m 0			

Ba 15d 25W
LR Ba 15d 25W



Kg. 0,29

CTLA1200FCL12DA1	33771	CTLA1200FCL24DA1	33781	CTLA1200FCL48DA1	33791	CTLA1200FCL110A1	33801	CTLA1200FCL230A1	33811	CTLA1200FCL240A1	33821
CTLA1200FCL12DA2	33772	CTLA1200FCL24DA2	33782	CTLA1200FCL48DA2	33792	CTLA1200FCL110A2	33802	CTLA1200FCL230A2	33812	CTLA1200FCL240A2	33822
CTLA1200FCL12DA3	33773	CTLA1200FCL24DA3	33783	CTLA1200FCL48DA3	33793	CTLA1200FCL110A3	33803	CTLA1200FCL230A3	33813	CTLA1200FCL240A3	33823
CTLA1200FCL12DA4	33774	CTLA1200FCL24DA4	33784	CTLA1200FCL48DA4	33794	CTLA1200FCL110A4	33804	CTLA1200FCL230A4	33814	CTLA1200FCL240A4	33824
CTLA1200FCL12DA5	33775	CTLA1200FCL24DA5	33785	CTLA1200FCL48DA5	33795	CTLA1200FCL110A5	33805	CTLA1200FCL230A5	33815	CTLA1200FCL240A5	33825
CTLA1200FCL12DA6	33776	CTLA1200FCL24DA6	33786	CTLA1200FCL48DA6	33796	CTLA1200FCL110A6	33806	CTLA1200FCL230A6	33816	CTLA1200FCL240A6	33826



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÷24-110-230÷240 (±10%)	==	~ 50/60 Hz	J 2-6	Flash/min. 1F: 65±10 - 2F: 2x65±10		
IP 30			°C -10 +40	On		PC
						AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH - SUONO INTERMITTENTE

XENON FLASHING LIGHT – INTERMITTENT SOUND

LUMIERE A ECLATS – SON INTERMITTENT

BLITZLICHT – AUSSETZENDE TONFOLGE

LUZ DE DESTELLOS – SONIDO INTERMITENTE



CTL XA 900

CTL XA 900 1J 1F

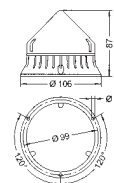
CTL XA 900 1J 2F

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		

1F		V 	12÷24			—	—	—
		V 				110	230÷240	
		mA	155	85	50	50	50	
		Cd (p)	2000	2000	1000	1000	1000	
		dB(A)1m	72	72	72	72	72	
		XENON 1J LRX 1J		Hz 3800		 F/m 65		

2F		V 	12÷24			—	—	—
		V 				110	230÷240	
		mA	305	255	55	65	70	
		Cd (p)	1500 500	1650 600	700 300	700 300	700 300	
		dB(A)1m	72	72	72	72	72	
		XENON 1J LRX 1J		Hz 3800		 F/m 65		



Kg. 0,18



CTL XA 1200

CTLXA12002J1F

CTLXA12002J2F

CTLXA12006J1F

CTLXA12006J2F

⑧

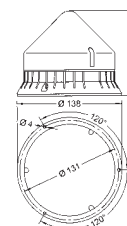
1F		V 	12÷24			—	—	—
		V 				110	230÷240	
		mA	505	445	85	47	48	
		Cd (p)	2500	2750	1750	2000	2200	
		dB(A)1m	75	75	72	68	68	
		XENON 2J LRX 2J		Hz 3700		 F/m 65		

2F		V 	12÷24			—	—	—
		V 				110	230÷240	
		mA	470	400	100	40	42	
		Cd (p)	800 500	950 750	1200 950	1150 700	1200 700	
		dB(A)1m	75	75	72	68	68	
		XENON 2J LRX 2J		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	CTLXA12006J1F110A3	27488	CTLXA12006J2F110A2	27535
CTLXA12002J1F1224DA5	27460	CTLXA12002J2F110A3	27512	CTLXA12006J1F2302402	27493	CTLXA12006J2F110A3	27536
CTLXA12002J1F110A1	27462	CTLXA12002J2F2302401	27522	CTLXA12006J1F2302403	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		

1F		V 	12÷24		—	—	—
		V 			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
		XENON 6J LRX 6J		Hz 3700		 F/m 65	

2F		V 	12÷24		—	—	—
		V 			110		230÷240
		mA	1.1	1.3	0.25	0.20	0.21
		Cd (p)	1750 1400	1750 1400	2000 1000	2600 1600	2850 1900
		dB(A)1m	80	80	75	72	72
		XENON 6J LRX 6J		Hz 3700		 F/m 65	



Kg. 0,32



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 (±10%)	==	~ 50/60 Hz	Ba 15d -5w -10w LD ¹⁰⁵ ₁₁₅ _{145 F}	IP 43	
On ∞	Hz (==) 650±50	Hz (~) 300÷7000		°C -30 +50	

AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



	V ==	12 ÷ 24 ÷ 48		
	mA	480	250	130
BA 15d 5W LR BA 15d 5W	Cd (p)	4	3	3
	mA	880	470	250
BA 15d 10W LR BA 15d 10W	Cd (p)	6	5	5
	dB(A)	96	96	96
	Hz	650 ± 50		

	V ~	24 ÷ 48 ÷ 110 ÷ 240			
	mA	350	210	100	60
BA 15d 5W LR BA 15d 5W	Cd (p)	4	3	3	3
	mA	600	330	150	80
BA 15d 10W LR BA 15d 10W	Cd (p)	5	5	4	4
	dB(A)	92	92	92	92
	Hz	300 ÷ 7000			



Flash/min. 110±20

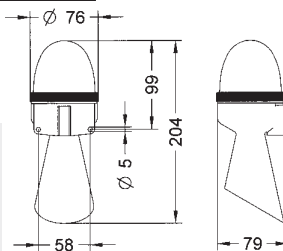
LUCE LAMPEGGIANTE - SUONO CONTINUO

FLASHING LIGHT – CONTINUOUS SOUND
LUMIERE CLIGNOTANTE – SON CONTINU
BLINKLICHT – DAUERER TONFOLGE
LUZ INTERMITENTE – SONIDO CONTINUO

SLEM L
SLEML

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		



Kg. 0,25

	V ==	12	24	48	110	240
	mA	480	250	130	55	30
BA 15d 5W LR BA 15d 5W	Cd (p)	4	3	3	2.5	2.5
	mA	880	470	250	115	60
BA 15d 10W LR BA 15d 10W	Cd (p)	6	5	5	4	4
	dB(A)	96	96	96	96	96
	Hz	650 ± 50				

	V ~	12	24	48	110	240
	mA	550	350	210	100	60
BA 15d 5W LR BA 15d 5W	Cd (p)	4	3	3	2.5	2.5
	A	1	0.6	0.33	0.15	0.08
BA 15d 10W LR BA 15d 10W	Cd (p)	6	5	5	4	4
	dB(A)	92	92	92	92	92
	Hz	300 ÷ 7000				



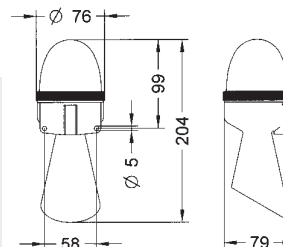
SLEM F
SLEMF

12

LUCE FISSA - SUONO CONTINUO

CONTINUOUS LIGHT – CONTINUOUS SOUND / LUMIERE FIXE – SON CONTINU
DAUERLICHT – DAUERER TONFOLGE / LUZ FIJA – SONIDO CONTINUO

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		



Kg. 0,25

V 24 -110 -240 (±10%)				==	~ 50/60 Hz	J 2	2 F	Flash/min. 65±10	
IP 43	On ∞	□	Hz (==) 650±50		Hz (~) 300÷7000		♪ —	°C -30 +40	

AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



LUCE A FLASH - SUONO CONTINUO

XENON FLASHING LIGHT – CONTINUOUS SOUND / LUMIERE A ECLATS – SON CONTINU
BLITZLICHT – DAUERER TONFOLGE / LUZ DE DESTELLOS – SONIDO CONTINUO

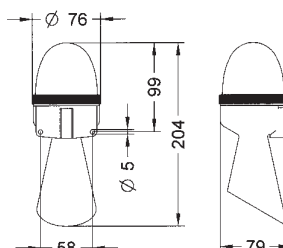
SLEM X
SLEMX

12

	V ==	24
	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 SEGNALEZIONE 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 -240 (±10%)		==	~ 50/60 Hz	Flash/min. 130±20	
IP 30				°C -30 +40	
On ∞				PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

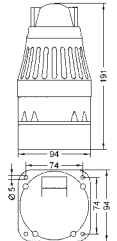


SIRLAMP MS 5
SIRLMS5

⑧

	V ==	12	24	—	—	—
	V ~			48	110	240
	mA	770	585	250	120	60
	Cd (p)	25	18	3	2	2
	dB(A) 1 m	Min 86.5 - Max 97				

BA 15d 5W
LR BA 15d 5W



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 (±10%)		==	~ 50/60 Hz	Flash/min. 1F : 65 ± 10 2F : 2 x 65 ± 10	
IP 30				°C -30 +40	
				PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

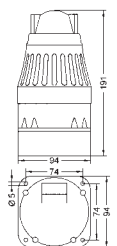


SIRLAMP X 1F MS 5
SIRLAMP X 2F MS 5
SIRLX1FMS5
SIRLX2FMS5

⑧

1F 	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			

XENON 1J
LRX 1J



Kg. 0,70

2F 	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			

XENON 1J
LRX 1J

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 / INDUSTRIEAMPEN / SEMÁFOROS INDUSTRIALES

V 12-24-48-110-240 (±10%)		==	~ 50/60 Hz	IP 55	
°C -30 +50	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA



SMFR 6.3 F

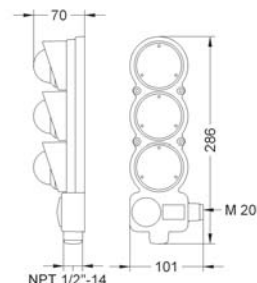
SMFR 6.3 F

(47) (48)

	V ==	12	24	48	110	240
	V ~					
	mA	415	210	105	45	20
	Cd (p)	30	30	10	3	3

BA 15d 5W
LR BA 15d 5W

SMFR6.3F32412DA	69480
SMFR6.3F32424DA	69481
SMFR6.3F32448DA	69482
SMFR6.3F324110DA	69483
SMFR6.3F324240DA	69484



Kg. 0,53



SMFR 9.3 F

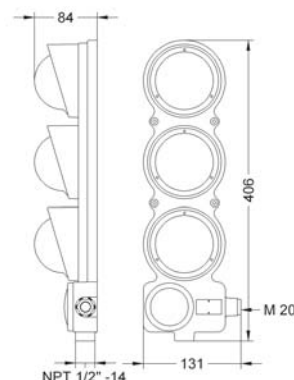
SMFR 9.3 F

(47) (48)

	V ==	12	24	48	110	240
	V ~					
	mA	830	415	210	90	45
	Cd (p)	160	150	140	20	30

BA 15d 10W
LR BA 15d 10W

SMFR9.3F32412DA	69485
SMFR9.3F32424DA	69486
SMFR9.3F32448DA	69487
SMFR9.3F324110DA	69488
SMFR9.3F324240DA	69489



Kg. 0,75



SMFR 12.3 F

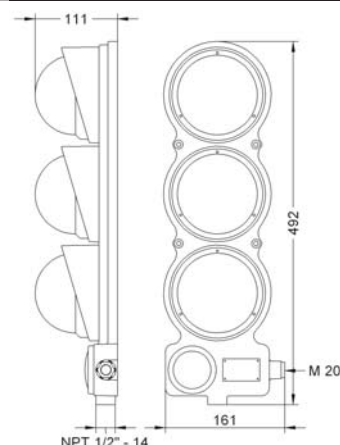
SMFR 12.3 F

(47) (48)

	V ==	12	24	48	110	240
	V ~					
	A	2.1	1.1	0.52	0.22	0.10
	Cd (p)	450	500	500	50	80

BA 15d 25W
LR BA 15d 25W

SMFR12.3F32412DA	69490
SMFR12.3F32424DA	69491
SMFR12.3F32448DA	69492
SMFR12.3F324110DA	69493
SMFR12.3F324240DA	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 Leuchteinheit.

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 luminosa.



V 12÷24-110-240 (±10%)			=	~ 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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH / XENON FLASHING LIGHT / LUMIERE A ECLATS / BLITZLICHT / LUZ DE DESTELLOS



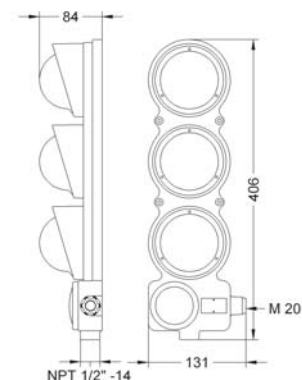
SMFR 9.3 X 1J 1F

SMFR 9.3 X 1J 1F

(47) (48)

1F XENON 1J LRX 1J	V =	12÷24		-	-
	V ~			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



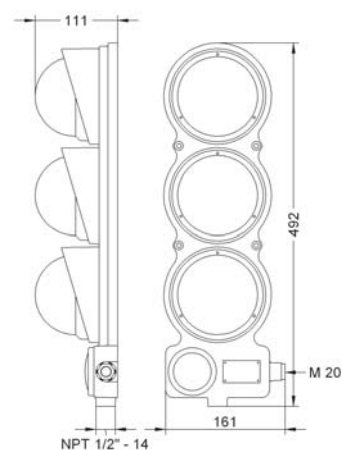
SMFR 12.3 X 6J 1F

SMFR 12.3 X 6J 1F

(47) (48)

1F XENON 6J LRX 6J	V =	12÷24		-	-
	V ~			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.

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 LED'S 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.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V12-24-48-110-240 (±10%)				50/60 Hz		IP 43 55	
On	°C -30 +50	On	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 6.3 F A

SMFR 6.3 F A

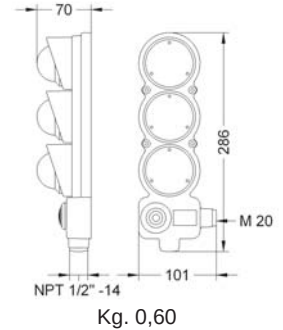
(47) (48)

IP 55



	V	12	24	48	110	240
	V	12	24	48	110	240
	mA	425	220	115	50	30
	Cd (p)	30	30	10	3	3
	dB(A)1m	82	82	82	82	82
Ba 15d 5W LR Ba 15d 5W	Hz	4000±300				
		F/m110				

SMFR6.3FA32412DA	69522
SMFR6.3FA32424DA	69523
SMFR6.3FA32448DA	69524
SMFR6.3FA324110D	69592
SMFR6.3FA324110A	69525
SMFR6.3FA324240D	69593
SMFR6.3FA324240A	69526



LUCE FISSA - SUONO CONTINUO / CONTINUOUS LIGHT - CONTINUOUS SOUND /
LUMIERE FIXE - SON CONTINU / DAUERLICHT - DAUER 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		
Ba 15d 10W LR Ba 15d 10W		F/m 0		

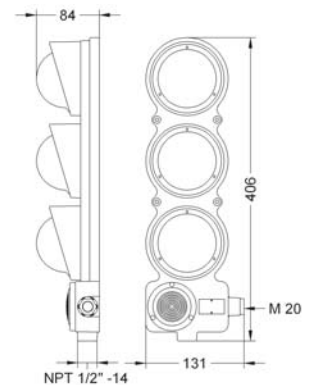
	V	12	24	48	110	240
	mA	940	550	330	150	75
	Cd (p)	160	150	140	20	30
	dB(A)1m	85	85	85	85	85
	Hz	50				
Ba 15d 10W LR Ba 15d 10W		F/m 0				

SMFR 9.3 F A

SMFR 9.3 F A

(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



	V	12	24	48
	A	2.15	1.15	0.54
	Cd (p)	450	500	500
	dB(A)1m	90	90	90
	Hz	650		
Ba 15d 25W LR Ba 15d 25W		F/m 0		

	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
	Hz	50				
Ba 15d 25W LR Ba 15d 25W		F/m 0				

SMFR 12.3 F A

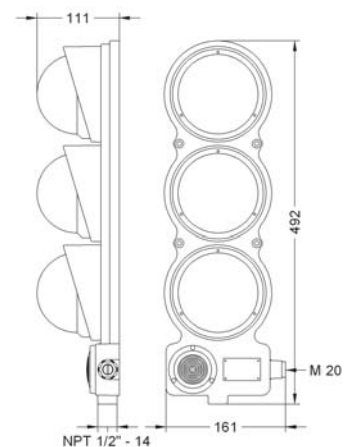
SMFR 12.3 F A

(47) (48)

IP 43



SMFR12.3FA32412D	69599	SMFR12.3FA32448D	69601
SMFR12.3FA32412A	69532	SMFR12.3FA32448A	69534
SMFR12.3FA32424D	69600	SMFR12.3FA324110A	69535
SMFR12.3FA32424A	69533	SMFR12.3FA324240A	69536



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. 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 luminosa.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-110-240 (±10%)	=	~ 50/60 Hz	J 1-6	Flash/min. 1F : 65 ± 10	IP 43
♪ —	°C -10 +40	On ∞		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH - SUONO CONTINUO / XENON FLASHING LIGHT - CONTINUOUS SOUND / LUMIERE A ECLATS - SON CONTINUU / BLITZLICHT - DAUERE TONFOLGE / LUZ DE DESTELLOS - SONIDO CONTINUO



SMFR 9.3 X 1J 1F A

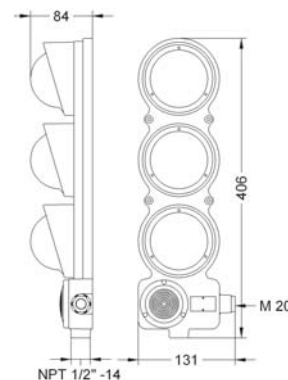
SMFR 9.3 X 1J 1F A

(47) (48)

1F XENON 1J LRX 1J	V =	12	24
	mA	200	120
	Cd(p)	2000	2000
	dB(A)1m	90	90
	Hz	650 ± 50	

1F XENON 1J LRX 1J	V ~	12	24	110	240
	mA	260	220	100	75
	Cd (p)	2000	2000	1000	1000
	dB(A)1m	85	85	85	85
	Hz 50	♪ — F/m			

SMFR9.3X1J1FA32412D	69619	SMFR9.3X1J1FA32424A	69621
SMFR9.3X1J1FA32412A	69552	SMFR9.3X1J1FA324110A	69553
SMFR9.3X1J1FA32424D	69620	SMFR9.3X1J1FA324240A	69554



Kg. 0,85



SMFR 12.3 X 6J 1F A

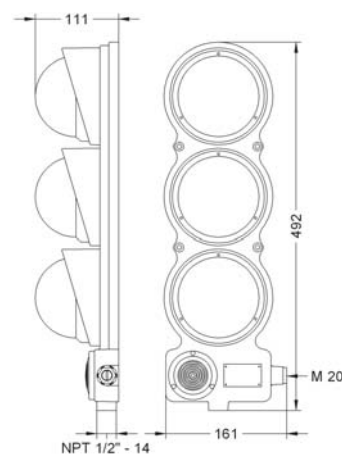
SMFR 12.3 X 6J 1F A

(47) (48)

1F XENON 6J LRX 6J	V =	12	24
	A	1.25	1.35
	Cd (p)	4800	4800
	dB(A)1m	90	90
	Hz	650 ± 50	

1F XENON 6J LRX 6J	V ~	12	24	110	240
	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			

SMFR12.3X6J1FA32412D	69624	SMFR12.3X6J1FA32424A	69626
SMFR12.3X6J1FA32412A	69555	SMFR12.3X6J1FA324110A	69556
SMFR12.3X6J1FA32424D	69625	SMFR12.3X6J1FA324240A	69557



Kg. 1,20

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 LED'S 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.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-48-110-240 (±10%)		==	~ 50/60 Hz	IP 55	
°C -30 +50	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA



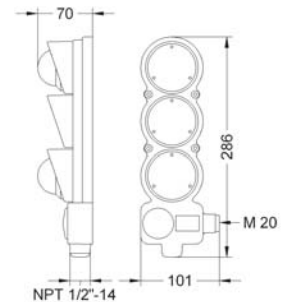
SMFR 6.2 F

SMFR 6.2 F

(47) (48)

	V ==	12	24	48	110	240
	V ~					
BA 15d 5W LR BA 15d 5W	mA	415	210	105	45	20
	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



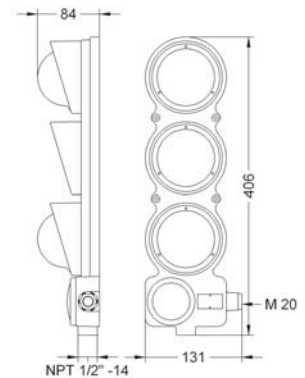
SMFR 9.2 F

SMFR 9.2 F

(47) (48)

	V ==	12	24	48	110	240
	V ~					
BA 15d 10W LR BA 15d 10W	mA	830	415	210	90	45
	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



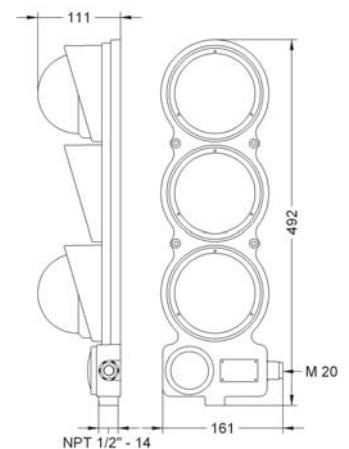
SMFR 12.2 F

SMFR 12.2 F

(47) (48)

	V ==	12	24	48	110	240
	V ~					
BA 15d 25W LR BA 15d 25W	A	2.1	1.1	0.52	0.22	0.10
	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

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 LED'S 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 luminosa.



V 12÷24-110-240 (±10%)			==	~ 50/60 Hz	J 1-6	Flash/min. 1F : 65 ± 10	
IP 55		°C -10 +40	On ∞			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH / XENON FLASHING LIGHT / LUMIERE A ECLATS / BLITZLICHT / LUZ DE DESTELLOS



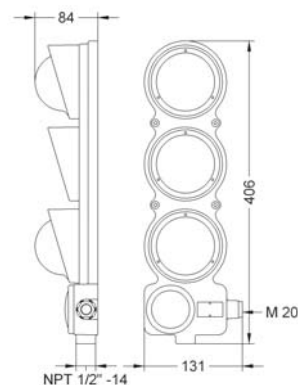
SMFR 9.2 X 1J 1F

SMFR 9.2 X 1J 1F

(47) (48)

1F XENON 1J LRX 1J	V ==	12÷24		-	-
	V ~			110	240
	mA	150	80	45	45
	Cd (p)	2000	2000	1000	1000

SMFR9.2X1J1F3412/24DA	69516
SMFR9.2X1J1F34110A	69517
SMFR9.2X1J1F34240A	69518



Kg. 0,78



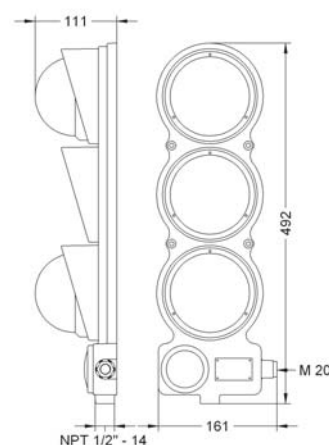
SMFR 12.2 X 6J 1F

SMFR 12.2 X 6J 1F

(47) (48)

1F XENON 6J LRX 6J	V ==	12÷24		-	-
	V ~			110	240
	A	1.2	1.3	0.35	0.22
	Cd (p)	4800	4800	3200	5000

SMFR12.2X6J1F3412/24DA	69519
SMFR12.2X6J1F34110A	69520
SMFR12.2X6J1F34240A	69521



Kg.1,05

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.



SEMAFORI INDUSTRIALI

INDUSTRIAL TRAFFIC LIGHTS / FEUX DE SIGNALISATION INDUSTRIELLE / INDUSTRIEAMPELN / SEMÁFOROS INDUSTRIALES

V 12-24-48-110-240 (±10%)			==	~ 50/60 Hz	IP 43 55
	°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 F A

SMFR 6.2 F A

(47) (48)

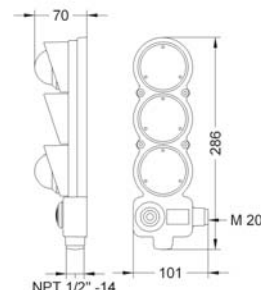
IP 55



	V ==	12	24	48	110	240
	V ~				110	240
	mA	425	220	115	50	30
	Cd (p)	30	30	10	3	3
	dB(A)1m	82	82	82	82	82
	Hz 4000±300	--- F/m110				

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 CONTINU / DAUERLICHT - DAUER TONFOLGE / LUZ FIJA - SONIDO CONTINUO



IP 43

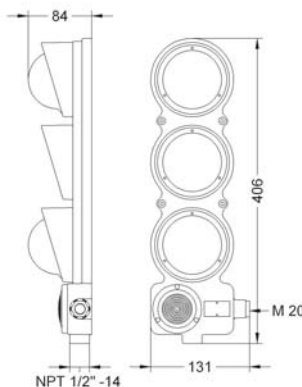


	V ==	12	24	48
	mA	880	450	230
	Cd (p)	160	150	140
	dB(A)1m	90	90	90
	Hz 650	— F/m 0		

Ba 15d 10W
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
	Hz 50	— F/m 0				

Ba 15d 10W
LR Ba 15d 10W



Kg. 0,74

SMFR 9.2 F A

SMFR 9.2 F A

(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



	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		

BA 15d 25W
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
	Hz 50	— F/m 0				

BA 15d 25W
LR BA 15d 25W

SMFR 12.2 F A

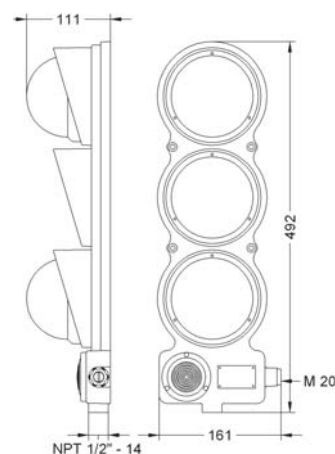
SMFR 12.2 F A

(47) (48)

IP 43



SMFR12.2FA3412D	69614	SMFR12.2FA3448D	69616
SMFR12.2FA3412A	69547	SMFR12.2FA3448A	69549
SMFR12.2FA3424D	69615	SMFR12.2FA34110A	69550
SMFR12.2FA3424A	69548	SMFR12.2FA34240A	69551



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.

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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 a 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 luminosa.



V 12-24-110-240 (±10%)			=	~ 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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE A FLASH - SUONO CONTINUO / XENON FLASHING LIGHT - CONTINUOUS SOUND / LUMIERE A ECLATS - SON CONTINUU / BLITZLICHT - DAUERE TONFOLGE / LUZ DE DESTELLOS - SONIDO CONTINUO



SMFR 9.2 X 1J 1F A

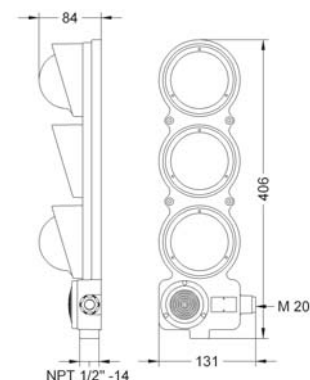
SMFR 9.2 X 1J 1F A

(47) (48)

1F XENON 1J LRX 1J	V ---	12	24
	mA	200	120
	Cd(p)	2000	2000
	dB(A)1m	90	90
	Hz	650 ± 50	

1F XENON 1J LRX 1J	V ~	12	24	110	240
	mA	260	220	100	75
	Cd (p)	2000	2000	1000	1000
	dB(A)1m	85	85	85	85
	Hz 50	F/m			

SMFR9.2X1J1FA3412D	69629	SMFR9.2X1J1FA3424A	69631
SMFR9.2X1J1FA3412A	69558	SMFR9.2X1J1FA34110A	69559
SMFR9.2X1J1FA3424D	69630	SMFR9.2X1J1FA34240A	69560



Kg. 0,80



SMFR 12.2 X 6J 1F A

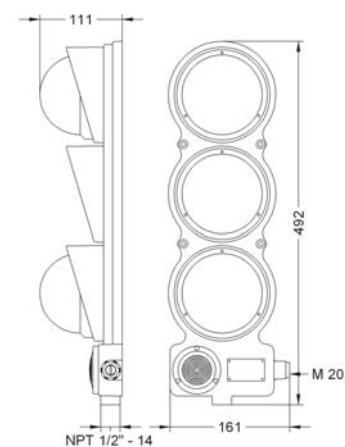
SMFR 12.2 X 6J 1F A

(47) (48)

1F XENON 6J LRX 6J	V ---	12	24
	A	1.25	1.35
	Cd(p)	4800	4800
	dB(A)1m	90	90
	Hz	650 ± 50	

1F XENON 6J LRX 6J	V ~	12	24	110	240
	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			

SMFR12.2X6J1FA3412D	69634	SMFR12.2X6J1FA3424A	69636
SMFR12.2X6J1FA3412A	69561	SMFR12.2X6J1FA34110A	69562
SMFR12.2X6J1FA3424D	69635	SMFR12.2X6J1FA34240A	69563



Kg. 1,10

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 LED'S 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 ELEVEURS /
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

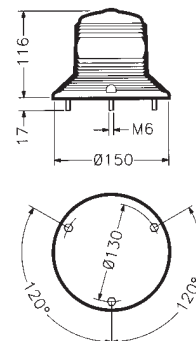
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



ELEBLITZ 10÷100V 1F
ELEBLITZ1F10100

①

1F	V ==	10÷100
	mA	50÷220
XENON 1J 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

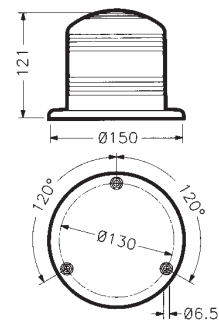


FLASH ELEV 10÷100V 1F-2F
FLELB1F10100

①

1F	V ==	10÷100
	mA	50÷220
XENON 1J LRX 1J	Cd (p)	1800

2F	V ==	10÷100
	mA	50÷220
XENON 1J LRX 1J	Cd (p)	900 / 750



Kg. 0,45

FLELB1F10100D2 84524
FLELB2F10100D2 84583

LUCE XENO MULTITENSIONE - MONOLAMPO

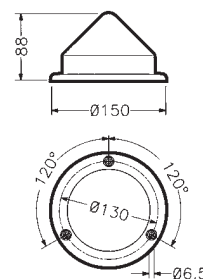
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



FLC 1200 10÷100V 1F
FLC12001F10100

①

1F	V ==	10÷100
	mA	50÷220
XENON 1J LRX 1J	Cd (p)	2500



Kg. 0,23

FLC12001F10100D2 84567

LUCE XENO MULTITENSIONE - MONOLAMPO

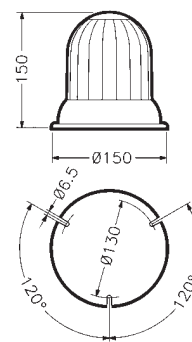
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



MICROROT ISO B ELEV
10÷100V 1F
MRTISOBEL10100

⑧

1F	V ==	10÷100
	mA	50÷220
XENON 1J 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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE XENO MULTITENSIONE - MONOLAMPO

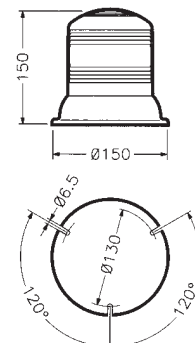
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



MINIFRESNEL ISO B ELEV
10÷100V 1F
MFRISOBEL1F10100

①

1F  XENON 1J LRX 1J	V ==	10÷100
	mA	50÷220
	Cd (p)	1800



Kg. 0,43

MFRISOBEL1F10100D2 84582

LUCE XENO MULTITENSIONE - MONOLAMPO

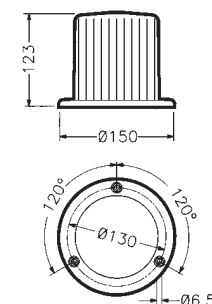
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



MINITRUCK 120
10÷100V 1F
MTRUCK1201F10100

①

1F  XENON 1J LRX 1J	V ==	10÷100
	mA	50÷220
	Cd (p)	2200



Kg. 0,38

MTRUCK1201F10100D2 84628

LUCE XENO MULTITENSIONE - MONOLAMPO

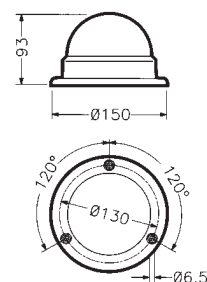
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



SFEROFLASH
10÷100V 1F
SFEROF1F10100

①

1F  XENON 1J LRX 1J	V ==	10÷100
	mA	50÷220
	Cd (p)	2300



Kg. 0,26

SFEROF1F10100D2 84564

LUCE XENO MULTITENSIONE - MONOLAMPO

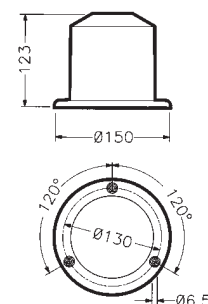
MULTI-VOLTAGE XENON FLASHING BEACON – SINGLE FLASH
FEU A ECLATS MULTI-TENSION – SIMPLE ECLAT
MULTISPANNUNG-BLITZLEUCHTE – EINZELBLITZ
LUZ DESTELLANTE MULTITENSIÓN – UN SOLO DESTELLO



TOUR ELEV 10÷100V 1F
TOUREL1F10100

①

1F  XENON 1J LRX 1J	V ==	10÷100
	mA	50÷220
	Cd (p)	2200



Kg. 0,36

TOUREL1F10100D2 84627



PRODOTTI PER CARRELLI ELEVATORI

PRODUCTS FOR FORKLIFT TRUCKS / PRODUITS POUR CHARIOTS ELEVEURS /
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-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

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

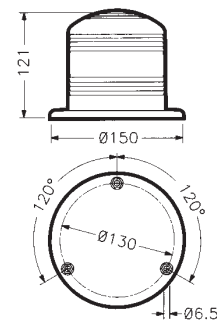
LUZ DESTELLANTE MULTITENSIÓN - UN SOLO DESTELLO O DOBLE DESTELLO - CON SEÑAL ACÚSTICA INCORPORADA



FLASH ELEV SL 10÷100V 1F-2F
FLELSL1F10100

①

1F XENON 1J LRX 1J	V ==	10÷100
	mA	50÷220
	Cd (p)	1800
	dB(A)1m	75÷85
	Hz	2500±100
2F XENON 1J LRX 1J	V ==	10÷100
	mA	50÷220
	Cd (p)	900 / 750
	dB(A)1m	75÷85
	Hz	2500±100



Kg. 0,55

FLELSL1F10100D2
FLELSL2F10100D2

84514
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

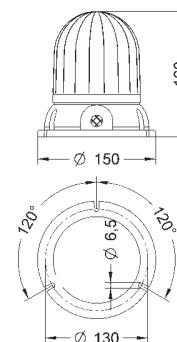
LUZ DESTELLANTE MULTITENSIÓN - UN SOLO DESTELLO - CON SEÑAL ACÚSTICA INCORPORADA



MICROROT ISO B ELEV SL
10÷100 1F
MRTISOBELSL1F10100

⑧

1F XENON 1J LRX 1J	V ==	10÷100
	mA	50÷220
	Cd (p)	1000
	dB(A)1m	75÷85
	Hz	2500±100



Kg. 0,46

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

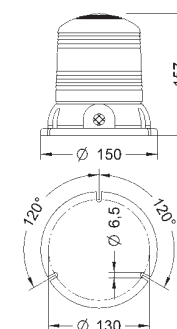
LUZ DESTELLANTE MULTITENSIÓN - UN SOLO DESTELLO - CON SEÑAL ACÚSTICA INCORPORADA



MINIFRESNEL ISO B ELEV SL
10÷100V 1F
MFRISOBELSL1F10100

⑧

1F XENON 1J LRX 1J	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

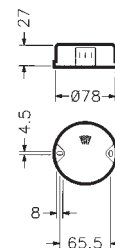
MULTI-VOLTAGE BACK-UP ALARM
ALARME DE REcul MULTI-TENSION
MULTISPANNUNG-RÜCKWÄRTSFAHRSIGNAL
AVISADOR ACÚSTICO MULTITENSIÓN PARA MARCHA ATRÁS



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 REcul MULTI-TENSION
MULTISPANNUNG-RÜCKWÄRTSFAHRSIGNAL
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

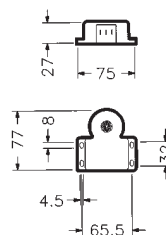
MULTI-VOLTAGE BACK-UP ALARM
ALARME DE REcul MULTI-TENSION
MULTISPANNUNG-RÜCKWÄRTSFAHRSIGNAL
AVISADOR ACÚSTICO MULTITENSIÓN PARA MARCHA ATRÁS



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

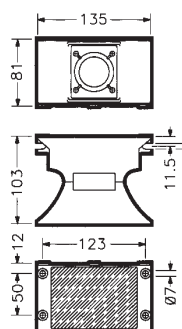
MULTI-VOLTAGE BACK-UP ALARM WITH SELF-ADJUSTABLE SOUND INTENSITY DEPENDING ON AMBIENT NOISE
ALARME DE REcul MULTI-TENSION AVEC INTENSITE DE SON AUTOREGLABLE SELON LE BRUIT AMBIANT
MULTISPANNUNG-RÜCKWÄRTSFAHRSIGNAL MIT SELBSTEINSTELLENDER SCHALLSTÄRKE NACH UMGEBUNGSGERÄUSCH
AVISADOR ACÚSTICO MULTITENSIÓN 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 CARRETILLAS ELEVADORAS

V 20 ÷ 100



IP 44

°C -30 +50

On ∞

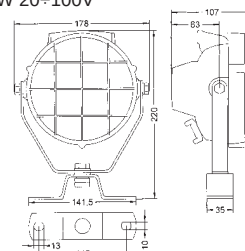
FARO DI LAVORO CON SENSORE AUTOMATICO CREPUSCOLARE + CSW 20÷100V

WORK BEAM WITH TWILIGHT AUTOMATIC SENSOR + CSW 20÷100V
PHARE DE TRAVAIL AVEC CAPTEUR AUTOMATIQUE CREPUSCULAIRE + CSW 20÷100V
ARBEITSSCHEINWERFER MIT AUTOMATISCHEM DÄMMERUNGS-SENSOR + CSW 20÷100V
FARO DE TRABAJO CON SENSOR AUTOMÁTICO CREPUSCULAR + 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

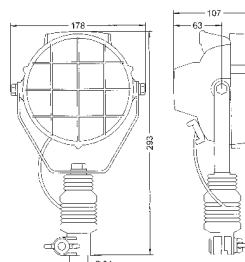
FARO DI LAVORO CON SENSORE AUTOMATICO CREPUSCOLARE + CSW 20÷100V + BASE DIN A + SPINOTTO R

WORK BEAM WITH TWILIGHT AUTOMATIC SENSOR + CSW 20÷100V + DIN A BASE + ADAPTER SOCKET R
PHARE DE TRAVAIL AVEC CAPTEUR AUTOMATIQUE CREPUSCULAIRE + CSW 20÷100V + EMBASE DIN A + CONNEXION R
ARBEITSSCHEINWERFER MIT AUTOMATISCHEM DÄMMERUNGS-SENSOR + CSW 20÷100V + DIN A BEFESTIGUNG + AUFSTECKROHR R
FARO DE TRABAJO CON SENSOR AUTOMÁTICO CREPUSCULAR + CSW 20÷100V + BASE DIN A + CONECTOR 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

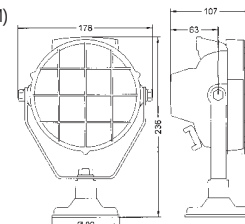
FARO DI LAVORO CON SENSORE AUTOMATICO CREPUSCOLARE + CSW 20÷100V + 1 MAGNETE + CSP SAC + CKM

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 CREPUSCULAIRE + CSW 20÷100V + 1 AIMANT + CSP SAC + PRISE AVEC COUVERCLE (CKM)
ARBEITSSCHEINWERFER MIT AUTOMATISCHEM DÄMMERUNGS-SENSOR + CSW 20÷100V + 1 MAGNET + CSP SAC + STECKVERBINDER MIT KAPPE (CKM)
FARO DE TRABAJO CON SENSOR AUTOMÁTICO CREPUSCULAR + CSW 20÷100V + 1 IMÁN + CSP SAC + CONECTOR (CKM)



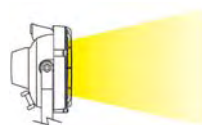
KIT FMA M
KITFMAM
(13) (18) (25) (26)

	V	20÷100
	A	3.2÷0.6
	V out	12V dc
	P out	max 60 W
Cd (p)		4000
H3 12V 55W LR H3 55W 12		

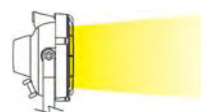


Kg. 1,7

FDL D = LUCE DIFFUSA
DIFFUSED LIGHT - LUMIERE DIFFUSE -
FLUTLIGHT - LUZ DIFUSA



FDL P = LUCE DI PROFONDITÀ
DEPTH LIGHT - LUMIERE DE PROFONDEUR -
FERNLICHT - LUZ DE PROFUNDIDAD



V 20 ÷ 100



On ∞

IP 55

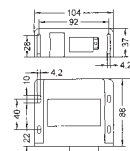
°C -30 +50

CONVERTITORE DI TENSIONE DC-DC / VOLTAGE CONVERTER DC-DC / CONVERTISSEUR DE TENSION DC-DC / SPANNUNGSWANDLER DC-DC / CONVERTIDOR DE TENSÓN 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 (±10%)



IP 65

°C -30 +50

On ∞

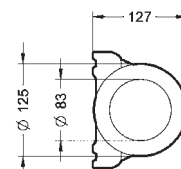
FARO ORIENTABILE MANUALMENTE CON LUCE ALOGENA

HALOGEN SWIVEL LIGHT BEAM – MANUAL ORIENTATION
PHARE ORIENTABLE HALOGENE – ORIENTATION MANUELLE
SCHWENKBARER HALOGEN-SCHEINWERFER
FARO HALÓGENO CON ORIENTACIÓN MANUAL

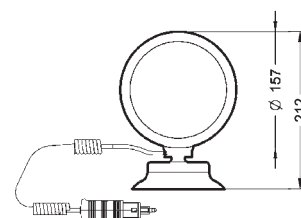


FO195H1MVD12D 30003
FO195H1MVD24D 29988

	V ---	12	24
H1 12V 55W LR H 55W 12	A	4.6	2.9
H1 24V 70W LR H 70W 24	Cd (p)	195.000	



FO 195 H1 MV
FO195H1MVD
FO195H1MVP
55 56



FO195H1MVP12D 30004
FO195H1MVP24D 30005

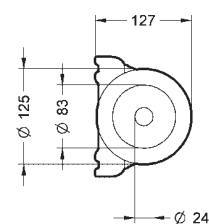


Kg. 1,24

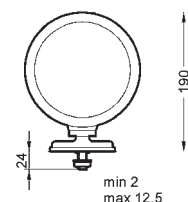


FO195H1BD12D 29976
FO195H1BD24D 29978

	V ---	12	24
H1 12V 55W LR H 55W 12	A	4.6	2.9
H1 24V 70W LR H 70W 24	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 (±10%)	==	IP 65	°C -30 +50	On ∞
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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

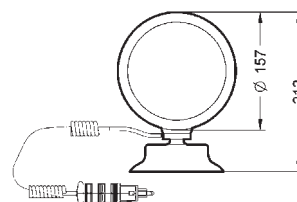
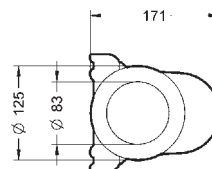


FO230HIDMVD12/24D 29985

FO 230 HID MV
FO230HIDMVD
FO230HIDMVP

55 56

 HID 35W LR HID 35W	V ==	12÷24
	A	3.3 1.65
	Cd (p)	230.000



Kg. 1,77

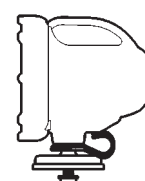
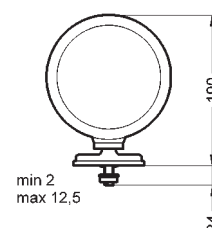
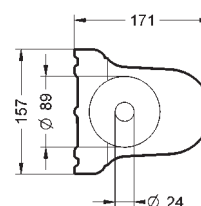


FO230HIDMVP12/24D 30006

FO 230 HID B
FO230HIDBD
FO230HIDBP

55 57

 HID 35W LR HID 35W	V ==	12÷24
	A	3.3 1.65
	Cd (p)	230.000



Kg. 1,49



FO230HIDBD12/24D 29970



FO230HIDBP12/24D 29987



FARI DI LAVORO

WORK BEAMS / PROJECTEURS DE TRAVAIL / ARBEITSSCHEINWERFER / FAROS DE TRABAJO

V 12-24 (±10%)



IP 44

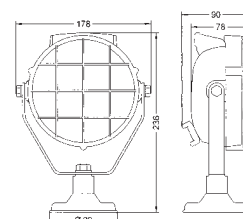
°C -30 +50

On ∞



 H3 12V 55W H3 24V 70W	V 	12	24	FDL M/D FDL A/D FDL P/D
	A	4.6	2.9	
	Cd (p)	4000	4000	
		26 °		

 H3 12V 55W H3 24V 70W	V ---	12	24	FDL M/P FDL A/P FDL P/P
	A	4.6	2.9	
	Cd (p)	4000	4000	
		5 °		



Kg. 1,2

FARI 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



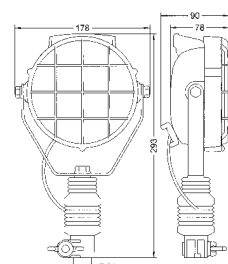
FARI DI LAVORO A

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. 0,9



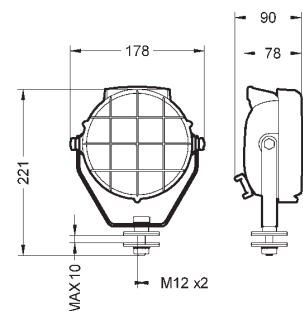
FARI DI LAVORO P

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

FDLPDH12D	29982	FDLPDH24D	29983
FDLPPH12D	28048	FDLPPH24D	28044



Kg. 0,76



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 (±10%)	==	IP 55	°C -30 +50	On ∞	6 / PC HT
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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 FUNKFERNSTEUERUNG (FORC S) ODER MIT BEDIENUNG DURCH KABEL (FOTC S)

FARO ORIENTABLE CON MANDO A DISTANCIA POR RADIO (FORC S) O POR CABLE (FOTC S)

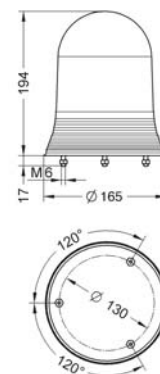


FORC S B
FOTC S B

13 65

H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ==	12	24
	A	4.6	2.9
	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)

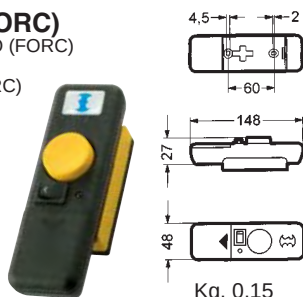
REMOTE CONTROL BY RADIO (FORC)

RADIOCOMMANDE (FORC)

FUNKFERNSTEUERUNG (FORC)

MANDO POR RADIO (FORC)

50 12



Kg. 0,15

TELECOMANDO (FOTC)

REMOTE CONTROL BY WIRE (FOTC)

COMMANDE PAR CABLE (FOTC)

BEDIENUNG DURCH KABEL (FOTC)

MANDO POR CABLE (FOTC)

50 12



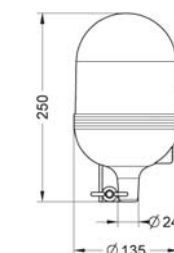
Kg. 0,15



FORC S A
FOTC S A

13

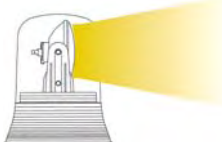
FORCSADH55W12D	45012	FOTCSADH55W12D	45020
FORCSAPH55W12D	45013	FOTCSAPH55W12D	45021
FORCSADH70W24D	45014	FOTCSADH70W24D	45022
FORCSAPH70W24D	45015	FOTCSAPH70W24D	45023



Kg. 0,95

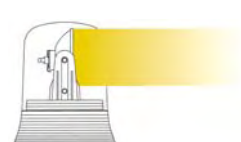
D = LUCE DIFFUSA

DIFFUSED LIGHT - LUMIERE DIFFUSE -
FLUTLICHT - LUZ DIFUSA



P = LUCE DI PROFONDITÀ

DEPTH LIGHT - LUMIERE DE PROFONDEUR -
FERNLICHT - LUZ DE PROFUNDIDAD



FORC S CON GRIGLIA

FORC S WITH GRID

FORC S AVEC GRILLE

FORC S MIT GITTER

FORC S CON REJILLA

BDFORC S M

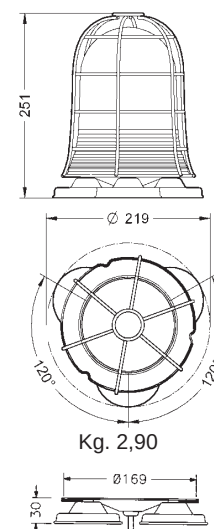
13 65 17

H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	V ==	12	24
	A	4.6	2.9
	Cd (p)	120.000	

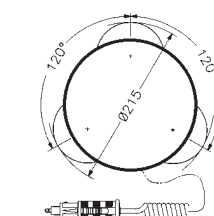
BDFORCSMDH55W12D	45032
BDFORCSMPH55W12D	45033
BDFORCSMDH70W24D	45034
BDFORCSMPH70W24D	45035

B3M

B3M 83152



Kg. 2,90



Kg. 1,15



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 (±10%)	==	IP 67	°C -30 +50	On ∞	/ 6 / PC HT
-----------------------	-----------	--------------	-------------------	-------------	--------------------

FARO RADIOCOMANDATO PER IMPIEGO MARINO

RADIO CONTROLLED WATERPROOF LIGHT BEAM FOR MARINE APPLICATION

PHARE RADIOCOMMANDE ETANCHE POUR EMPLOI MARITIME

WASSERDICHTER SCHEINWERFER MIT FUNKFERNSTEUERUNG FÜR DEN MARITIMEN BEREICH

FARO RADIOTELEDIRIGIDO ESTANCO PARA EMPLEO MARINO



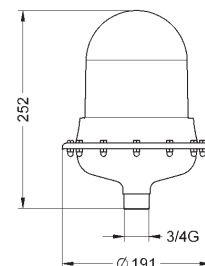
FORC INOX S

STFORC S

⑩

	V ==	12	24
H1 12V 55W LR H 55W 12 H1 24V 70W LR H 70W 24	A	4.6	2.9
	Cd (p)	120.000	

STFORCSDH55W12D	45040
STFORCSPH55W12D	45041
STFORCSDH70W24D	45042
STFORCSPH70W24D	45043



Kg. 2,26

V 12-24 (±10%)	==	IP 55	°C -30 +50	On ∞	/ 6 / PC HT
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B2 FORC S B H1 100W
B2FORC S B H 100W

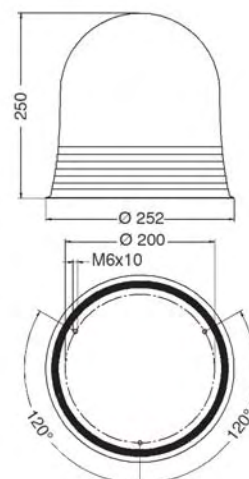
⑥⑤ ⑥⑥

B2 FOTC S B H1 100W
B2FOTC S B H 100W

⑥⑤ ⑥⑥

	V ==	12	24
H1 12V 100W LR H 100W 12 H1 24V 100W LR H 100W 24	A	6.6	3.3
	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 HID
B2FORC S B HID

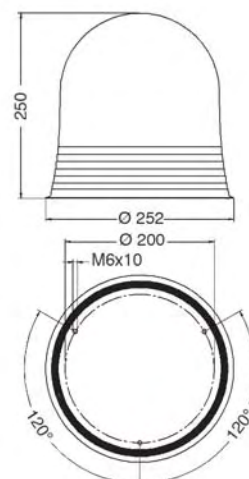
⑥⑤ ⑥⑥

B2 FOTC S B HID
B2FOTC S B HID

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



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 SEGNALETORE POSTERIORE A LED

BATTERY OPERATED PORTABLE SEARCH BEAM WITH HALOGEN LIGHT AND REAR LED SIGNALLING INDICATOR
PHARE DE RECHERCHE AUTO-ALIMENTE, PORTABLE AVEC LUMIERE HALOGENE ET DISPOSITIF POSTERIEUR A LEDS
AUTONOMER HANDSCHEINWERFER MIT HALOGEN-LICHT UND HINTEREM LED-WARNBLINKER
FARO DE BÚSQUEDA AUTOALIMENTADO PORTÁTIL CON LUZ HALÓGENA Y SEÑALADOR POSTERIOR DE LEDS

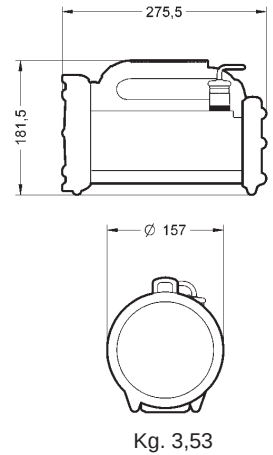


**BILIGHT
BILIGHT**

52 53 54

	V ==	12
	Cd (p)	195.000
	On	30 min.
LED ○	V ==	12
	Cd (p)	65
	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-ALIMENTE, PORTABLE AVEC LUMIERE HALOGENE
AUTONOMER HANDSCHEINWERFER MIT HALOGEN-LICHT
FARO DE BÚSQUEDA AUTOALIMENTADO PORTÁTIL CON LUZ HALÓGENA

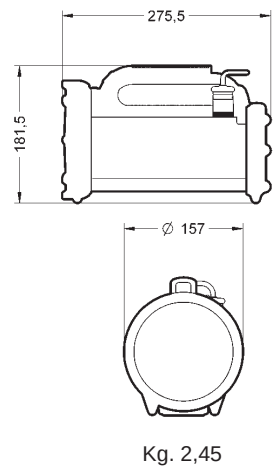


**FPH H1
FPH H1**

52 53 54

	V ==	12
	Cd (p)	195.000
	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-ALIMENTE, PORTABLE AVEC LUMIERE HALOGENE ET SIRENE
AUTONOMER HANDSCHEINWERFER MIT HALOGEN-LICHT UND SIRENE
FARO DE BÚSQUEDA AUTOALIMENTADO PORTÁTIL CON LUZ HALÓGENA Y SIRENA

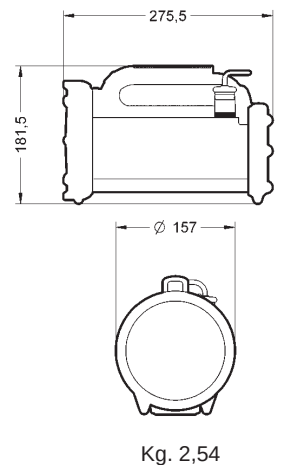


**FPHS H1
FPHS H1**

52 53 54

	V ==	12
	Cd (p)	195.000
	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

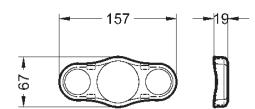
Schnellanklickbarer Tragriemen mit Festverschluss im Lieferumfang

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 SEGNALEZIONE LUMINOSA A LED AUTOALIMENTATI

BATTERY OPERATED LED LUMINOUS WARNING DEVICE / DISPOSITIF DE SIGNALISATION LUMINEUSE A LEDS AUTO-ALIMENTE / AUTONOMES LED-SIGNALGERÄT / DISPOSITIVO DE SEÑALIZACIÓN LUMINOSA DE LED'S AUTOALIMENTADO

V 12 ÷ 24 Recharge voltage - Tension de recharge - Nachladungsspannung - Tensión de recarga	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.	PC

DISPOSITIVO PER SEGNALEZIONE 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**

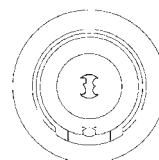
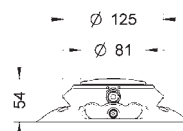
58 59

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

☀ = **luce lampeggiante**
flashing light - lumière clignotante -
Blinklicht - luz intermitente

○ = **luce fissa**
continuous light - lumière fixe -
Dauerlicht - luz fija

BMXAA12/24D1 74674
BMXAA12/24D2 74670
BMXAA12/24D3 74597
BMXAA12/24D4 74673



Ø 190
Kg. 0,89

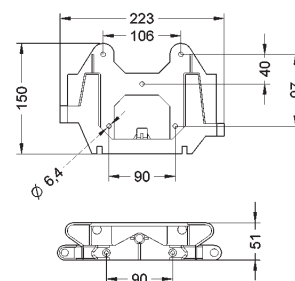


74797

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



Kg. 0,17



+



+

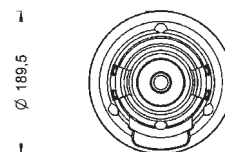
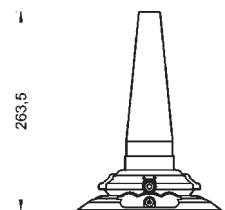


=



ADACONOBMX 74807

74801 74794
74793 74795
74808



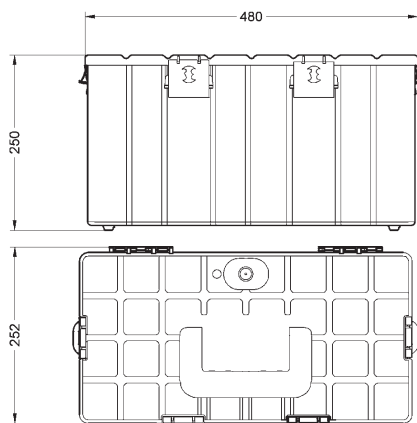
Kg. 0,99



BOX VUOTO P6

P6 EMPTY BOX
BOITIER A VALISE P6 VIDE
LEERER P6 BOX-KOFFER
CAJA DE TIPO MALETA P6 VACÍA

74798



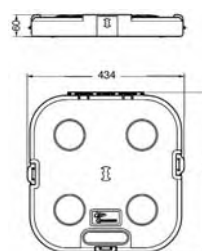
Kg. 1,54



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 Komponentenzahl auch lieferbar

Disponible también BOX G10 COMPACT para configuraciones especiales con un número 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 SEGNALEZIONE LUMINOSA A LED AUTOALIMENTATO

BATTERY OPERATED LED LUMINOUS WARNING DEVICE / DISPOSITIF DE SIGNALISATION LUMINEUSE A LEDS 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 SEGNALEZIONE 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-STABELEUCHTE 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

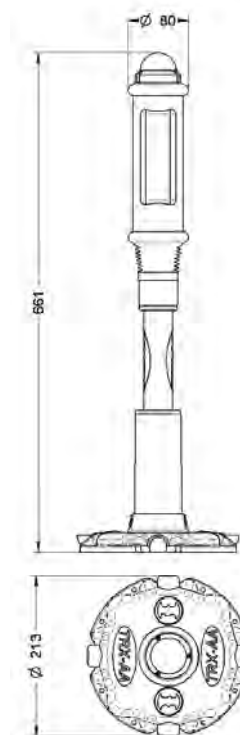


= luce lampeggiante
flashing light - lumière clignotante -
Blinklicht - luz intermitente



= luce fissa
continuous light - lumière fixe
Dauerlicht - luz fija

TRXAA12/24D1	74802
TRXAA12/24D2	74803
TRXAA12/24D3	74598
TRXAA12/24D4	74804



Kg. 2,9

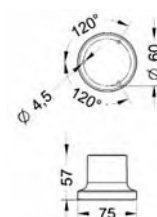


74800

MODULO PER RICARICA TRX AA

TRX AA RECHARGE MODULAR SUPPORT
SUPPORT MODULAIRE DE RECHARGE TRX AA
TRX AA LADEMÖDUL
SOPORTE MODULAR PARA RECARGA TRX AA

47



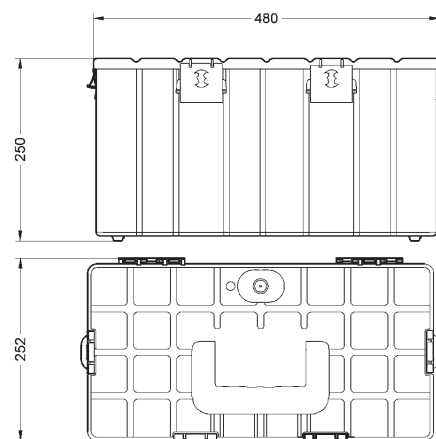
Kg. 0,07



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

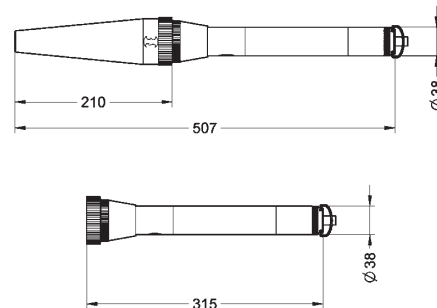


PLX AA
PLXAA

62 63 64

V	12÷24	
mA	500	250
Cd (p)	1000	
On	3 h	

PLXAA12/24D 74599



Kg. 0,60

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:



74793 74794 74795 74801 74808

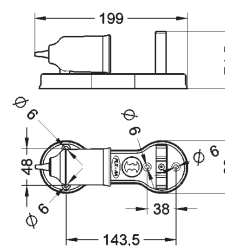


74796

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 BATERÍAS NO RECARGABLES (PLX) - MINI ALUMBRADOR DE LED'S CON NORMALES BATERÍAS 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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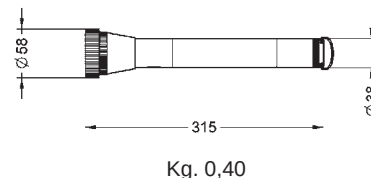


PLX
PLX

62 63

V ---	N° 3 Batt. Alcaline Size D 1.5V
Cd (p)	1000
On	3 h

PLX 74806



Kg. 0,40

N° 2 Batt. Alcaline Size AA 1.5V	==	IP 65	°C -40 +50	Autonomia Duration - Autonomie Autonomie - Autonomía	12 h
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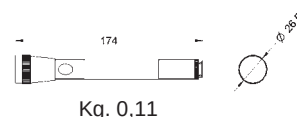


MICRO PLX
MICROPLX

62

V ---	N° 2 Batt. Alcaline Size AA 1.5V
Cd (p)	40
On	12 h

MICRO PLX 74595



Kg. 0,11



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



CS1V DIN 71268



CS1V SAC 71267



CS2V SAC 71263



AR 1 CRB - AR 3 CRB - AR G10/2 - AR G10/3

ALIMENTATORI DA RETE

MAINS FEEDERS

ALIMENTATIONS SECTEUR

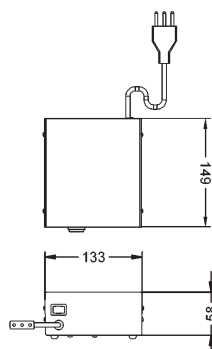
NETZSPEISUNGEN

ALIMENTADORES DESDE RED

• INPUT: 230V ac 50Hz • OUTPUT: 12V dc



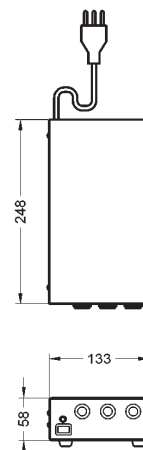
AR 1 CRB 74486



Kg. 1,00



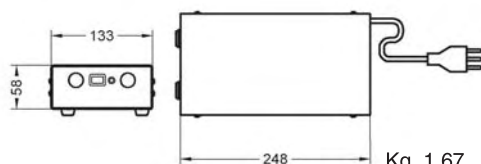
AR 3 CRB 74491



Kg. 1,62



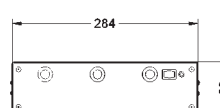
AR G10/2 74215



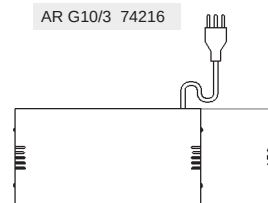
Kg. 1,67



AR G10/3 74216

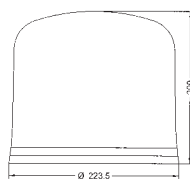


Kg. 2,41



**RICAMBI**

SPARE PARTS / PIECES DE RECHANGE / ERSATZTEILE / REPUESTOS

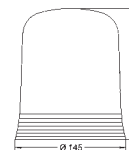
CUPOLE PC - PC DOMES - DOMES PC - HAUBEN AUS PC - CÚPULAS PC**CR LUX**

Kg. 0,5

CRB2LUX1R	71122	CRB2LUX4R	71125
CRB2LUX2R	71120	CRB2LUX5R	71129
CRB2LUX3R	71096	CRB2LUX6R	71128

**CR AT/R5**

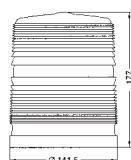
CRATR51	71221
CRATR52	71222
CRATR53	71223
CRATR54	71224
CRATR55	71225
CRATR56	71226



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**

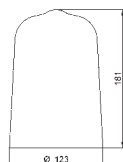
CRFT6ATF61	73540
CRFT6ATF62	73537
CRFT6ATF63	73539
CRFT6ATF64	73538
CRFT6ATF65	73541
CRFT6ATF66	73531



Kg. 0,21

**CR RA / BD RA**

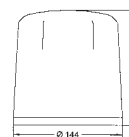
CRRA1L	71306
CRRA2L	71305
CRRA3L	71308
CRRA4L	71309
CRRA5L	71331
CRRA6L	71307
CRRA7L	71390
CRRA3R	71374
CRRA5R	71373



Kg. 0,22

**CR AT/M7**

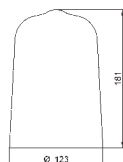
CRMAGATM71	71132
CRMAGATM72	71131
CRMAGATM73	71133
CRMAGATM74	71134
CRMAGATM75	71187



Kg. 0,23

**CR LA / BD LA
LA XFR / RA**

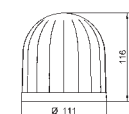
CRLA1	71301
CRLA2	71300
CRLA3	71303
CRLA4	71304
CRLA5	71330
CRLA6	71302



Kg. 0,22

**CR BABYR
BABYL
BABYF
BABYX**

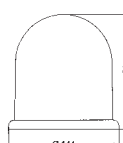
CRBABY1	26991
CRBABY2	26992
CRBABY3	26993
CRBABY4	26994
CRBABY5	26995
CRBABY6	26996



Kg. 0,12

**CR PG/R-PG/R/TOR
PG/L-PG/F-PG/X
AT/A8**

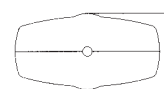
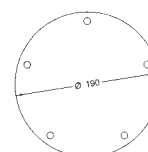
CRPGATA8PC1	71166
CRPGATA8PC2	71167
CRPGATA8PC3	71168
CRPGATA8PC4	71169
CRPGATA8PC5	71172
CRPGATA8PC6	71173



Kg. 0,22

**CR FRL - FRX**

CRFRL1	71326
CRFRL2	71325
CRFRL3	71328
CRFRL4	71329
CRFRL5	71293
CRFRL6	71327

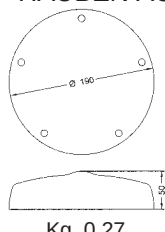


Kg. 0,54

CUPOLE PC - PC DOMES - DOMES PC - HAUBEN AUS PC - CÚPULAS PC

**CR BD FTF
BD FTL**

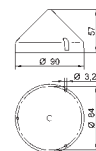
CRBDFTF1	71361	CRBDFTF4	71364
CRBDFTF2	71360	CRBDFTF5	71367
CRBDFTF3	71363	CRBDFTF6	71362



Kg. 0,27


**CR CTL -
A - X - XA 900**

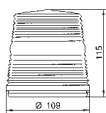
CRCTL9001	71196	CRCTL9004	71199
CRCTL9002	71197	CRCTL9005	71200
CRCTL9003	71198	CRCTL9006	71201



Kg. 0,052


**CR MAF / MXF
BDF / BDL**

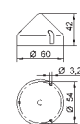
CRMAF1	71321
CRMAF2	71320
CRMAF3	71323
CRMAF4	71324
CRMAF5	71334
CRMAF6	71322



Kg. 0,21


CR CTL - A 600

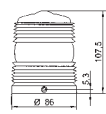
CRCTL6001	71190	CRCTL6004	71193
CRCTL6002	71191	CRCTL6005	71194
CRCTL6003	71192	CRCTL6006	71195



Kg. 0,018


CR MF / XF

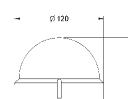
CRMF1	71318
CRMF2	71315
CRMF3	71316
CRMF4	71319
CRMF5	71333
CRMF6	71317



Kg. 0,14


CR SMFR 12.3/12.2

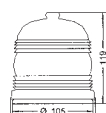
CRSMFR12.32	69672
CRSMFR12.33	69673
CRSMFR12.34	69674



Kg. 0,098


CR LTC / LCA 88

CRLCA883	71241
CRLCA884	71240
CRLTC1	71295
CRLTC2	71294
CRLTC3	71298
CRLTC4	71299
CRLTC5	71296
CRLTC6	71297



Kg. 0,25


CR SMFR 9.3/9.2

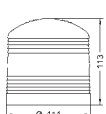
CRSMFR9.32	69662
CRSMFR9.33	69663
CRSMFR9.34	69664



Kg. 0,044


CR FLASH ELEV

CRFLASHL2	71145
CRFLASHL6	71146



Kg. 0,2


CR SMFR 6.3/6.2

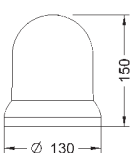
CRSMFR6.32	69652
CRSMFR6.33	69653
CRSMFR6.34	69654



Kg. 0,018


CR LR 932

CRLR93LR932PMMA1	72584
CRLR93LR932PMMA2	72580
CRLR93LR932PMMA3	72586
CRLR93LR932PMMA4	72582
CRLR93LR932PMMA5	72588
CRLR93LR932PMMA6	72589



Kg. 0,13


**CR OVO / SLEM L /
SLEM F / SLEM X /**

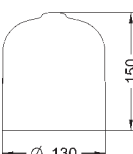
CROVO1	71115	CROVO4	71098
CROVO2	71116	CROVO5	71099
CROVO3	71117	CROVO6	71100



Kg. 0,04


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 ML / ML A /
SIRL / SIRLAT /
SIRLX / SIRLXAT
MXL / MXL A**

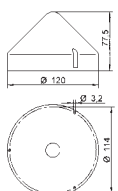
CRML1	71311	CRML4	71314
CRML2	71310	CRML5	71332
CRML3	71313	CRML6	71312



Kg. 0,03


**CR CTL -
A - X - XA 1200**

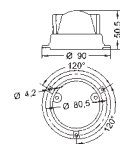
CRCTL12001	71090
CRCTL12002	71091
CRCTL12003	71092
CRCTL12004	71093
CRCTL12005	71094
CRCTL12006	71095



Kg. 0,06


CR ML R / MXL R

CRMLMLR1	71231	CRMLMLR4	71234
CRMLMLR2	71232	CRMLMLR5	71235
CRMLMLR3	71233	CRMLMLR6	71236



Kg. 0,04

**RICAMBI**

SPARE PARTS / PIECES DE RECHANGE / ERSATZTEILE / REPUESTOS

LAMPADE - BULBS - AMPOULES - LEUCHTMITTEL - LÁMPARAS**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
		SMFR 6.3
		SMFR 6.2

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	OVOLUX
BA15D5W1X2524	70971	CTL 600
BA15D5W1X2548	70972	MICROLAMP
BA15D5W1X25130	70973	SIRLAMP
BA15D5W1X25240	70974	SLEM
		SMFR 6.3
		SMFR 6.2

Scatola 1x25 pz.

1x25 pc. box - Boîte 1x25 pièces

Schachtel 1x25 St. - Caja 1x25 unidades

BA15D10W1X2512	70975	OVOLUX
BA15D10W1X2524	70976	CTL 900
BA15D10W1X2548	70977	SMFR 9.3
BA15D10W1X25130	70978	SMFR 9.2
BA15D10W1X25240	70979	

Scatola 1x25 pz.

1x25 pc. box - Boîte 1x25 pièces

Schachtel 1x25 St. - Caja 1x25 unidades

LRBA15D5W12	70941	OVOLUX
LRBA15D5W24	70942	CTL 600
LRBA15D5W48	70943	MICROLAMP
LRBA15D5W130	70944	SIRLAMP
LRBA15D5W240	70945	SLEM
		SMFR 6.3
		SMFR 6.2

Scatola singola

Single box - Boîte individuelle

Einzelschachtel - Caja individual

LRBA15D10W12	70946	OVOLUX
LRBA15D10W24	70947	CTL 900
LRBA15D10W48	70948	SMFR 9.3
LRBA15D10W130	70949	SMFR 9.2
LRBA15D10W240	70950	

Scatola singola

Single box - Boîte individuelle - Einzelschachtel - Caja individual



12PZBA15D25W12	72773	BABYLAMP
12PZBA15D25W24	72774	MAXIFLASH
12PZBA15D25W48	72775	MINIFLASH
12PZBA15D25W130	72776	CTL 1200
12PZBA15D25W240	72777	SMFR 12.3
		SMFR 12.2

Scatola 12 pz.

12 pc. box - Boîte de 12 pièces

Schachtel à 12 Leuchtmittel - Caja de 12 unidades

12PZBA15D40W12	72745	LAMPALLARM FRESNEL
12PZBA15D40W24	72746	LAMPALLARM FRESNEL STAGNO
12PZBA15D40W48	72747	MAXIFLASH
12PZBA15D40W130	72748	PG/AGR
12PZBA15D40W240	72749	

Scatola 12 pz.

12 pc. box - Boîte de 12 pièces

Schachtel à 12 Leuchtmittel - Caja de 12 unidades

BA15D25W1X1212	70980	BABYLAMP
BA15D25W1X1224	70981	MAXIFLASH
BA15D25W1X1248	70982	MINIFLASH
BA15D25W1X12130	70983	CTL 1200
BA15D25W1X12240	70984	SMFR 12.3
		SMFR 12.2

Scatola 1x12 pz.

1x12 pc. box - Boîte 1x12 pièces

Schachtel 1x12 St. - Caja 1x12 unidades

BA15D40W1X1212	70985	LAMPALLARM FRESNEL
BA15D40W1X1224	70986	LAMPALLARM FRESNEL STAGNO
BA15D40W1X1248	70987	MAXIFLASH
BA15D40W1X12130	70988	PG/AGR
BA15D40W1X12240	70989	

Scatola 1x12 pz.

1x12 pc. box - Boîte 1x12 pièces

Schachtel 1x12 St. - Caja 1x12 unidades

LRBA15D25W12	70951	BABYLAMP
LRBA15D25W24	70952	MAXIFLASH
LRBA15D25W48	70953	MINIFLASH
LRBA15D25W130	70954	CTL 1200
LRBA15D25W240	70955	SMFR 12.3
		SMFR 12.2

Scatola singola

Single box - Boîte individuelle

Einzelschachtel - Caja individual

LRBA15D40W12	70956	LAMPALLARM FRESNEL
LRBA15D40W24	70957	LAMPALLARM FRESNEL STAGNO
LRBA15D40W48	70958	MAXIFLASH
LRBA15D40W130	70959	PG/AGR
LRBA15D40W240	70960	

Scatola singola

Single box - Boîte individuelle - Einzelschachtel - Caja individual





LR E27

LR27100W230	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
		ROTOLUX 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



LR XENO 16J

LRX15-20J	71638	STROBO 1SEV AA
		STROBOLUX 15-20J
		STROBOFLASH 15-20J



LR XENO 2J

LRX2J	71634	OVOLUX
		CTL X 1200
		XENOFASH
		MAXIXENOFASH
		PG/X/AGR
		STROBOFLASH
		FAROLAMP XENO
		BLINDOFLATFLASH
		BLINDOFLASH
		LAMPALLARM XENOFRESNEL
		BLINDOFLASH AUTOALIMENTATO



LR XENO 3-9J

LRX39J14F	72788	BABYFLASH
		LAMPALLARM XENOFRESNEL



LR XENO 6J

LRX6J1F	71639	CTL X 1200
LRX6J2F	71607	MAXIXENOFASH
		PG/X/AGR
		STROBOFLASH
		FAROLAMP XENO
		BLINDOFLATFLASH
		BLINDOFLASH
		LAMPALLARM XENOFRESNEL
		STROBOFLASH AUTOALIMENTATO
		SMFR 12.3X
		SMFR 12.2X



LR HID

LRHID230	70939	FO 230 HID
		B2 FORC S HID
		B2 FOTC S HID



ACCESSORI

ACCESSORIES / ACCESSOIRES / ZUBEHÖR / ACCESORIOS



BASE P per:

P BASE for: - EMBASE P pour: -
SOCKET P für: - BASE P para:

ML / MXL

⑥

BPMLMXL 83066



Kg. 0,10



BASE E per:

E BASE for: - EMBASE E pour: -
SOCKET 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

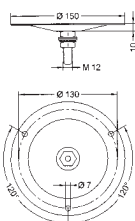


BAP per:

BAP for: - BAP pour:
BAP für: - BAP para:

RA / LA

⑨



Kg. 0,3

BAP 83098

BASE PARETE

WALL MOUNT

EMBASE POUR FIXATION MURALE

SOCKET FÜR WANDMONTAGE

BASE DE PARED

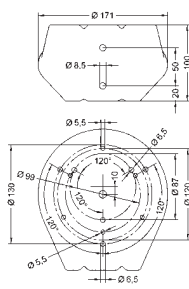


BP per versioni: BASE B - BASE N

BP for versions:
B BASE - N BASE
BP pour versions:
EMBASE B - EMBASE N
BP für Ausführungen:
SOCKET B - SOCKET N
BP para versiones:
BASE B - BASE N

⑧

BP 72692
BP● 71872



Kg. 0,2

ATTACCO A GHIANDA

TUBE MOUNT

SUPPORT TUBULAIRE

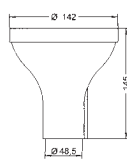
ROHRSTUTZENSOCKET

FIJACIÓN DE TUBO



AG

⑦



Kg. 0,43

AGRALA 83005
AGSTF 83055

SUPPORTO A PARETE

WALL SUPPORT

SUPPORT MURAL

WANDHALTERUNG

SOPORTE DE PARED

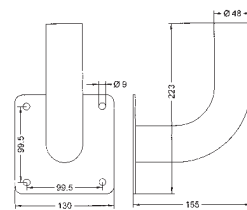


SAP per:

SAP for:
SAP pour:
SAP für:
SAP para:

AG

⑩



Kg. 1,0

SAP48 83019

SUPPORTO ANGOLO

ANGLE SUPPORT

SUPPORT ANGLE

WANDHALTERUNG FÜR ECKEN

SOPORTE ANGULAR

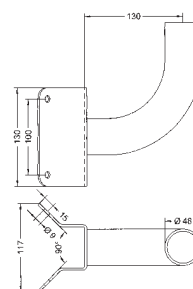


SA per:

SA for:
SA pour:
SA für:
SA para:

AG

⑩



Kg. 1,2

SA48 83018

GRIGLIA

GRID

GRILLE

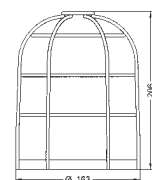
GITTER

REJILLA



GR STF/STL

⑪



Kg. 0,36

GRSTF 71693

GRIGLIA

GRID

GRILLE

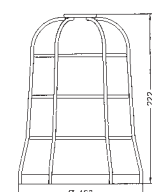
GITTER

REJILLA



GR RALA AL B1

⑪



Kg. 0,36

GRRAL 71689
GRLA 71690

ADATTATORE FEMMINA - FEMMINA

FEMALE-FEMALE ADAPTER / ADAPTATEUR FEMELLE-FEMELLE/
PASS-STÜCK (INNENGEWINDE) / ADAPTADOR HEMBRA-HEMBRA



13

TWS AFF per - for - pour - für - para:
OVOLUX

TWSAFF 27697



Kg. 0,01

BASETTA - con O-Ring e guarnizione di base

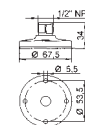
FOOT - with O-Ring and base gasket / SOCLE - avec joint torique et joint de base/
FUSS - mit O-Ring und Sockeldichtung / PIE - con OR y junta de base



13

TWS BS per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX

TWSBS 27760



Kg. 0,03

PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili

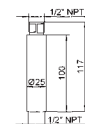
EXTENSION STEM (h. 10 cm. - stackable) - with O-Ring and two removable snap-shut stoppers
RALLONGE (h. 10 cm. - superposable) - avec joint torique et deux bouchons à déclenchement amovibles
VERLÄNGERUNG (h. 10 cm. - übereinanderlegbar) - mit O-Ring und zwei abnehmbaren Schnapp-Füllstücken
PROLONGADOR (h. 10 cm. - sobreponible) - con OR y dos taponcitos a saltos amovibles



13

TWS PR per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX

TWSPR 27761



Kg. 0,03

BASE A PARETE 1 FILETTO - con O-Ring e guarnizione di base

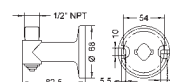
1 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 1 FILET - avec joint torique et joint de base /
1-GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 1 ROSCA - con OR y junta de base



13

TWS BP1 per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX

TWSBP1 27762



Kg. 0,04

BASE A PARETE 2 FILETTI - con O-Ring e guarnizione di base

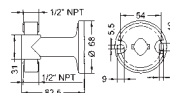
2 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 2 FILETS - avec joint torique et joint de base /
2-GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 2 ROSCAS - con OR y junta de base



13

TWS BP2 per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX

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



13

TWS KIT per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX

TWSKIT 27764



Kg. 0,06

BOX DI GIUNZIONE

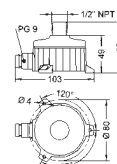
JUNCTION BOX / BOÎTE DE JONCTION /
ANSCHLUSS-KASTEN / CAJA DE ACOPLAMIENTO



13

TWS BOX PG9 per - for - pour - für - para:
BABYROT
BABYLAMP
BABYFLASH
OVOLUX

TWSBOX 27777



Kg. 0,1

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

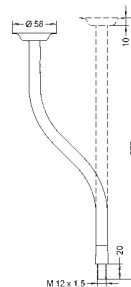


43

PROLUNGA FLESSIBILE

FLEXIBLE STEM
SUPPORT TUBULAIRE FLEXIBLE
FLEXIBLES ROHR
SOPORTE TUBULAR FLEXIBLE

N TWS PF2 per - for - pour - für - para:
OVOLUX



Kg. 0,26

NTWSPF2 27696

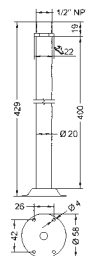


44

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



Kg. 0,28

TWSKITINOXL400 27767

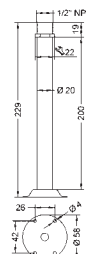


44

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



Kg. 0,18

TWSKITINOXL200 27766

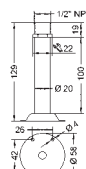


44

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



Kg. 0,14

TWSKITINOXL100 27765

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LUCI LAMPEGGIANTI A LED INTEGRATI

LED INTEGRATED FLASHING BEACONS
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FEU 4 OPTIONS A LEDS INTEGRES
4 FUNKTIONSLEUCHTE MIT INTEGRIERTEN LED
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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
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LD 125 OVO MONTAGE SYSTEME
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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 anti-urazioni 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

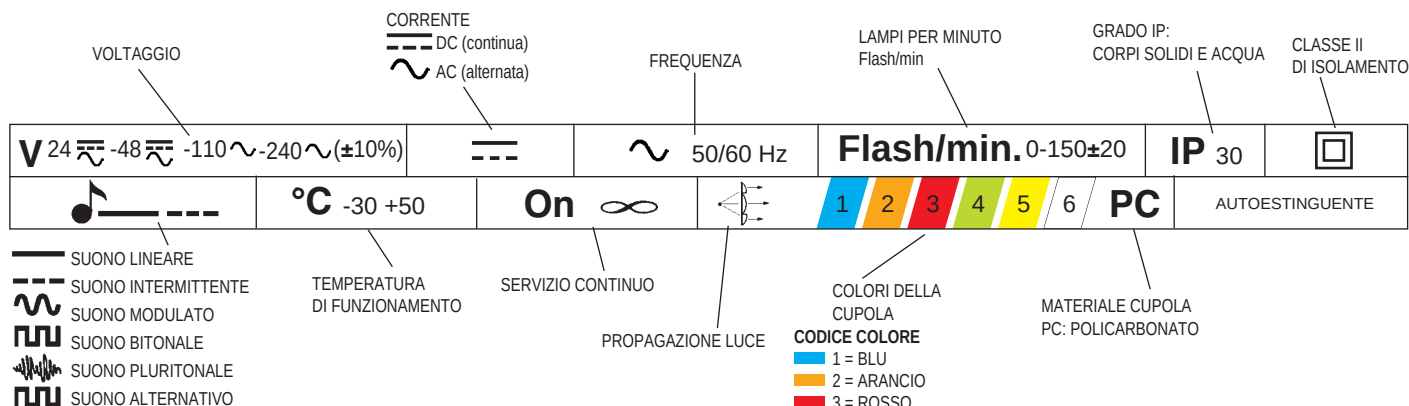
Ogni singolo articolo a Led integrati subisce un test parametrico a fine ciclo produttivo. Il risultato del test viene stampato su di un certificato di collaudo che viene inserito nella confezione con il prodotto.

• 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



CODIFICA: es.

LD 08 5 CTL600 24 DA 1 → **BLU**

Led integrati n. Ø Descrizione Voltaggio Corrente Colore

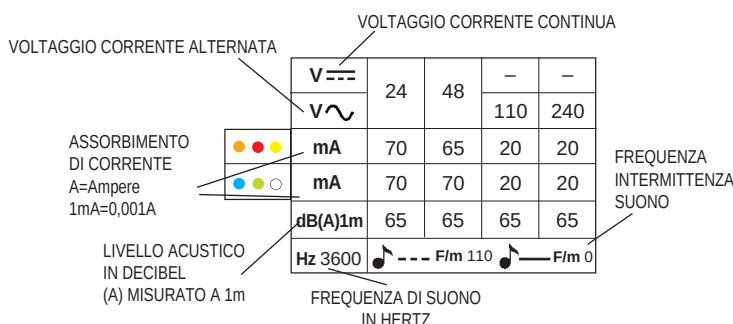
LD = LED integrati
A = corrente alternata
DA = corrente continua e alternata
L = luce solo lampeggiante
F = luce solo fissa
A = con acustica

BASE
B = piana ISO DIN B1
N = piana
P = palo ISO C
AG = a ghianda
E = Edison
R = retroquadro

MATERIALI ESTERNI

- Base: PC
- Corpo: PC
- Base/Corpo: ABS
- Base ISO DIN B1: Alluminio
- Base ISO DIN B1: PA
- Attacco a ghianda: Alluminio
- Griglia: Acciaio Zincato
- Base: Lamiera
- Attacco a vite
- Corpo: PA
- Base: PA
- Corpo: PP
- Guarnizione: Forprene
- Guarnizione: PVC
- Base/Corpo, rondella, ghiera: ABS
- Coperchi posteriori: PP

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI





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

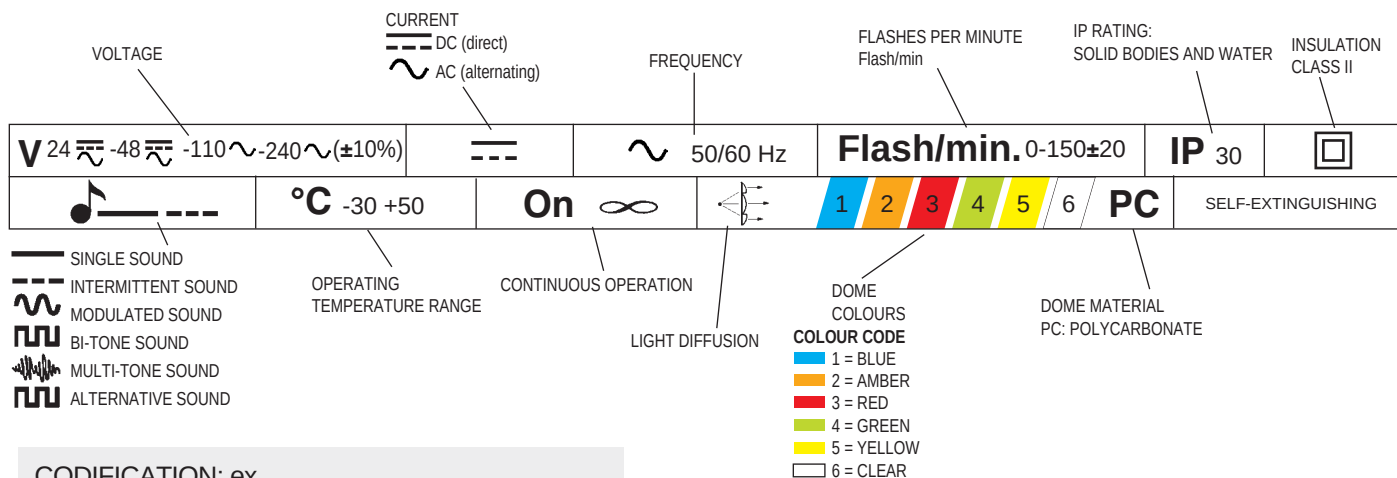
All led integrated products are submitted to a parametric test at the end of the production cycle. The result is printed on a test certificate and packed inside the box.

• 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



CODIFICATION: ex.

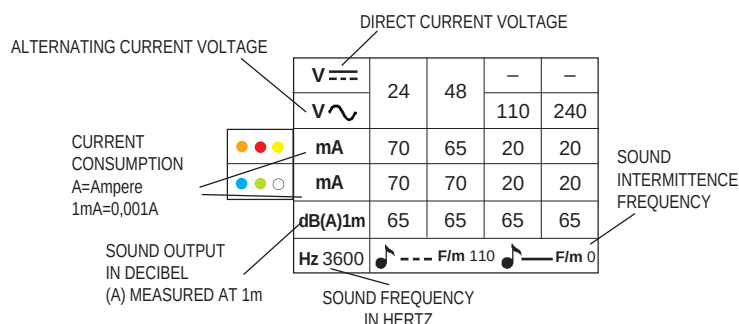
LD	08	5	CTL600	24	DA	1 →	■
Led integrated	No.	Ø	Description	Voltage	Current	Colour	

LD = LED integrated	BASE
A = alternating current	B = flat ISO DIN B1
DA = direct and alternating current	N = flat
L = flashing light only	P = pole ISO C
F = continuous light only	AG = tubular
A = with acoustics	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



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'œil 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 électronique 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 ou 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'œil 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

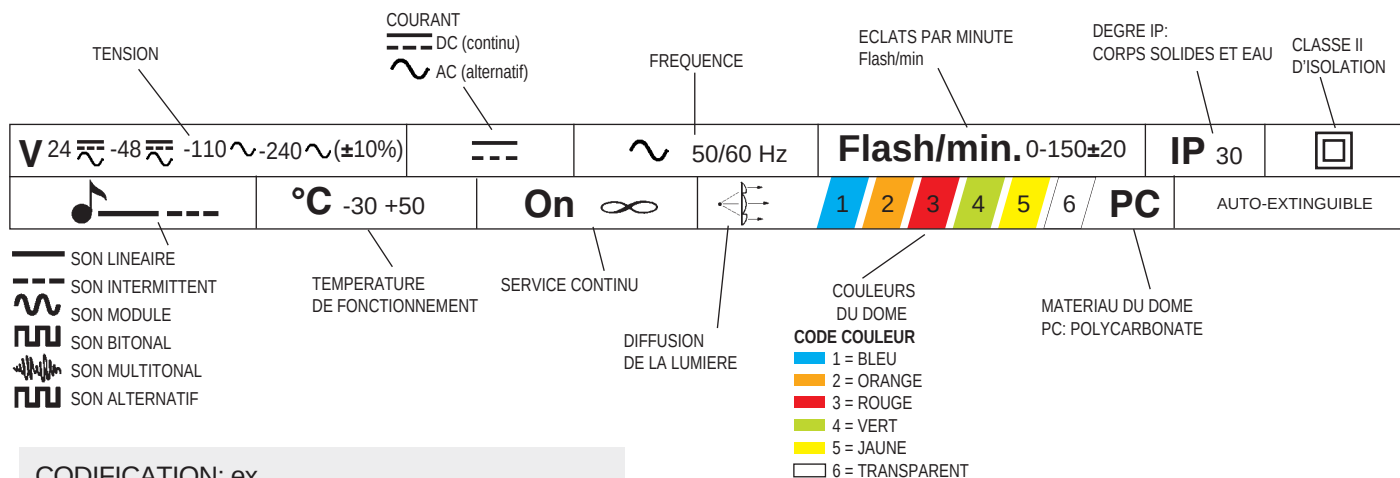
Chaque produit à LEDS intégrées subit un test paramétrique à la fin du cycle de production. Chaque produit est livré accompagné de son certificat de test.

• 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



CODIFICATION: ex.

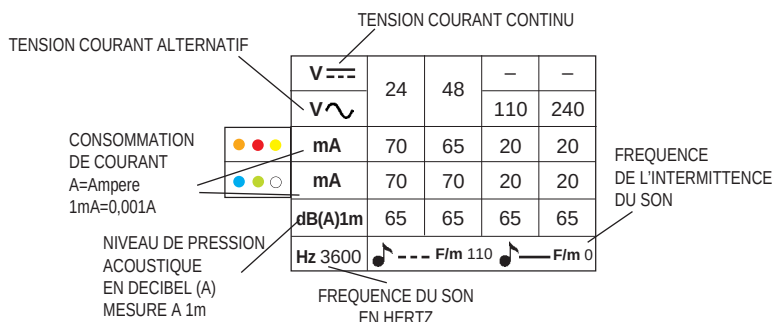
LED	No.	Ø	Description	Tension	Courant	Couleur
LD	08	5	CTL600	24	DA	1 → [couleur]

LD = LED intégrées	EMBASE
A = courant alternatif	B = plate ISO DIN B1
DA = courant continu et alternatif	N = plate
L = lumière seulement	P = fixation à boulon simple ISO C
F = lumière seulement fixe	AG = fixation sur tube
A = avec acoustique	E = Edison
	R = à encastrer

MATERIAUX EXTERNES

- Embase: PC
- Corps: PC
- Embase/Corps: ABS
- Embase ISO DIN B1: Aluminium
- Embase ISO DIN B1: PA
- Fixation sur tube: Aluminium
- Grille: Acier zingué
- Embase: Tôle
- Fixation à boulon simple
- Corps: PA
- Embase: PA
- Corps: PP
- Joint: Forprene
- Joint: PVC
- Embase/Corps, rondelle, collier: ABS
- Couvercles postérieurs: PP

INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES



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

Artikel mit integrierten LED benötigen keine Wartung. Die elektronische Steuerplatine ist in vibrationsfestem Epoxydharz vergossen.

• SICHERHEIT IM SIGNALBETRIEB

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.

• KLARHEIT DES SIGNALES

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

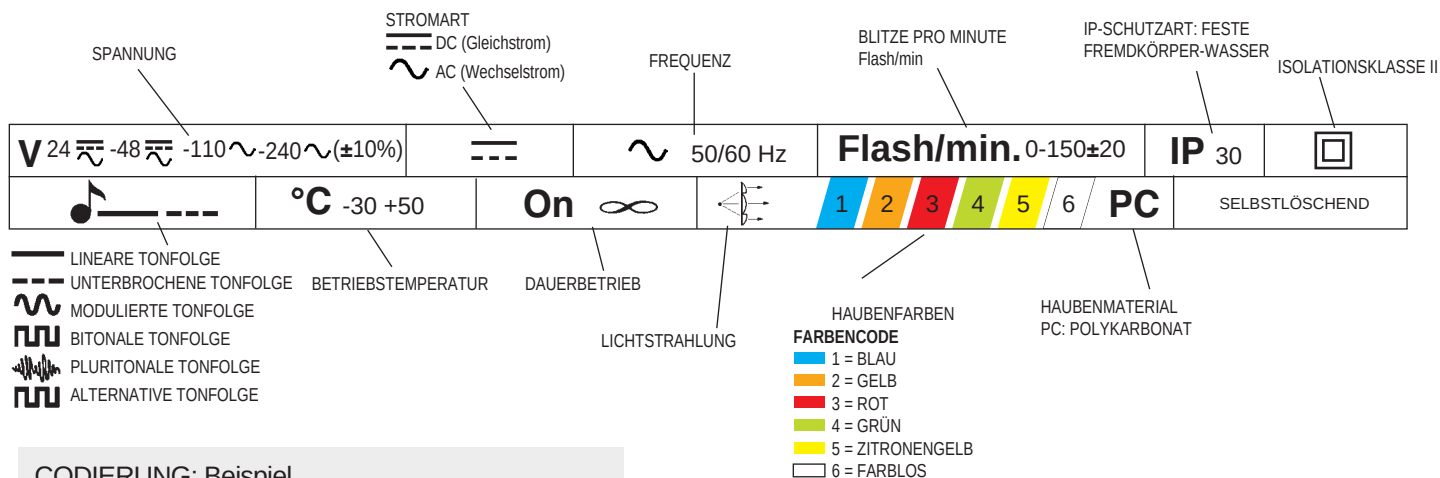
Jeder Artikel mit integrierten LED durchläuft einem Parameter-test. Das Testergebnis wird einem Prüfbericht der Verpackung beigelegt.

• 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

Integrierte LED	Nr.	Ø	Bezeichnung	Spannung	Stromart	Farbe
LD	08	5	CTL600	24	DA	1 →

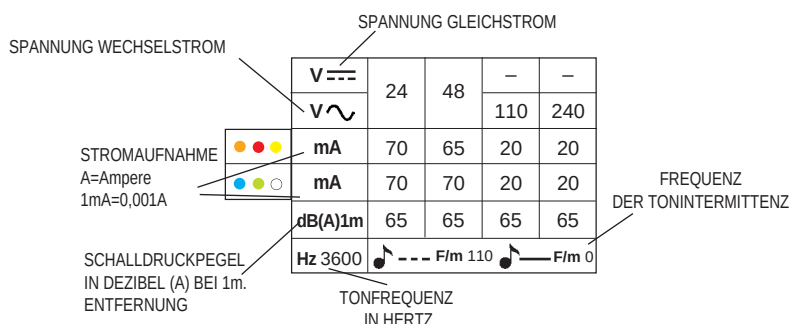
LD = integrierte LED
A = Wechselstrom
DA = Gleichstrom und Wechselstrom
L = nur Blinklicht
F = nur Dauerlicht
A = mit Akustik

SOCKEL
B = flacher Sockel ISO DIN B1
N = flacher Sockel
P = Gewinderohr-Stutzen ISO C
AG = Rohrstutzen-Sockel
E = Edison
R = Unterputz-Montage

AUSSENATERIALIEN

1. Sockel: PC
2. Gehäuse: PC
3. Sockel/Gehäuse: ABS
4. ISO DIN B1 Sockel: Alu
5. ISO DIN B1 Sockel: PA
6. Rohrbefestigung: Alu
7. Schutzgitter: verzinkter Stahl
8. Blechsockel
9. Schraubbefestigung
10. Gehäuse: PA
11. Sockel: PA
12. Gehäuse: PP
13. Dichtung: Forprene
14. Dichtung: PVC
15. Sockel/Gehäuse, Scheibe, Nutmutter: ABS
16. Hintere Deckel: PP

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE



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 luminosa 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:

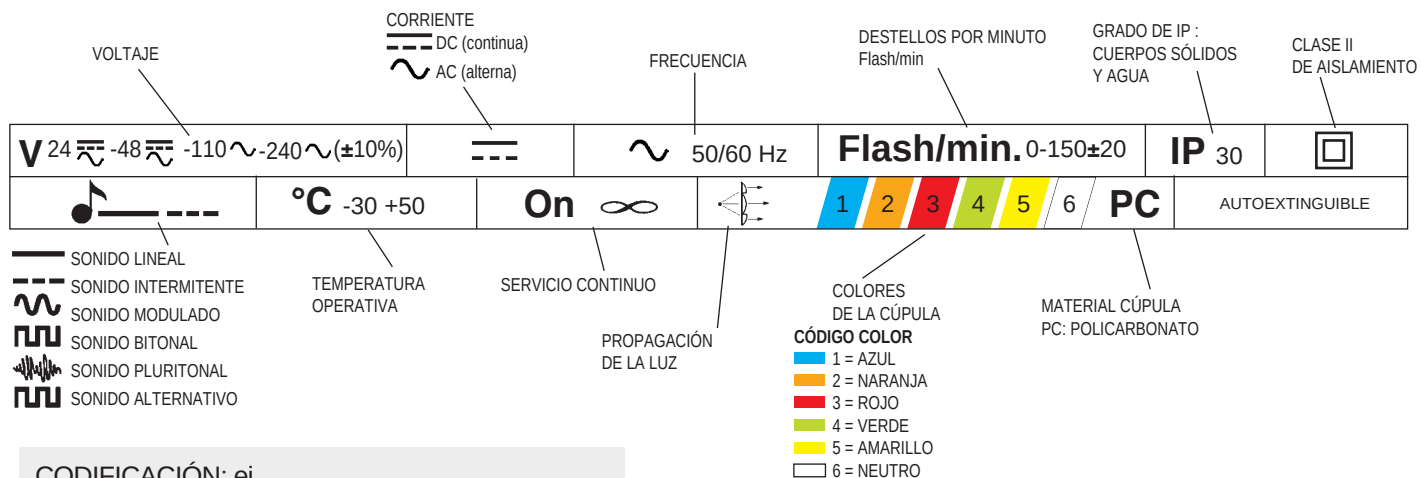
Cada artículo de LED's integrados se ensaya a final del ciclo productivo. El resultado del ensayo es impreso sobre un certificado de prueba que se adjunta a la caja del producto.

• 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



CODIFICACIÓN: ej.

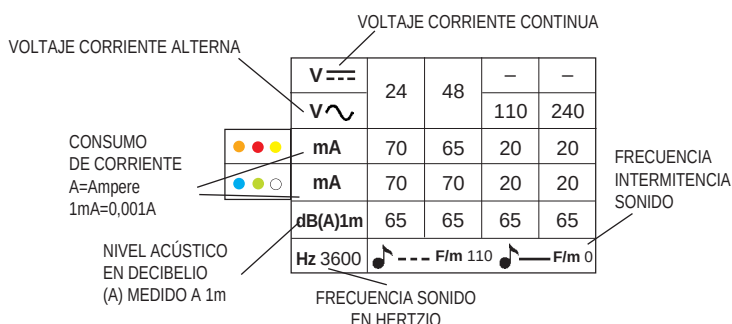
LED's integrados	No. Led	Ø Led	Descripción	Voltaje	Corriente	Color
LD	08	5	CTL600	24	DA	1 →

LD = LED's integrados	BASE
A = corriente alterna	B = llana ISO DIN B1
DA = corriente continua y alterna	N = llana
L = luz sólo intermitente	P = de perno simple ISO C
F = luz sólo fija	AG = de tubo
A = con acústica	E = Edison
	R = para empotrar

MATERIALES EXTERIORES

- Base: PC
- Cuerpo: PC
- Base/Cuerpo: ABS
- Base ISO DIN B1: Aluminio
- Base ISO DIN B1: PA
- Fijación de tubo: Aluminio
- Rejilla: Acero cincado
- Base: Chapa
- Fijación de tornillo
- Cuerpo: PA
- Base: PA
- Cuerpo: PP
- Junta: Forprene
- Junta: PVC
- Base/Cuerpo, arandela, virola: ABS
- Tapas posteriores: PP

INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES



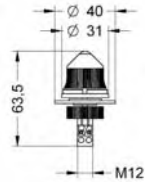


MICRO SEGNALATORI LUMINOSI A LED INTEGRATI

LED INTEGRATED MICRO LUMINOUS SIGNALS / MICRO DISPOSITIFS LUMINEUX A LEDS INTEGRES /
MIKRO-OPTISCHE SIGNALGERÄTE MIT INTEGRIERTEN LED / MICRO DISPOSITIVOS LUMINOSOS DE LED'S INTEGRADOS

V 12 $\overline{\sim}$ - 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	=	$\sim$ 50/60 Hz	IP 66	
°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



LD SP F
LDSPF
⑬ ⑮

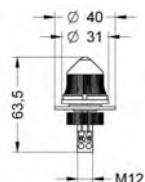
Kg. 0,026

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 $\overline{\sim}$	12	24	48	-	-
	V $\sim$				110	240
● ● ●	mA	20	20	20	35	30
● ● ○	mA	20	20	20	35	30

V 12 $\overline{\sim}$ - 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	=	$\sim$ 50/60 Hz	Flash/min. 110$\pm$20		
IP 66		°C -30 +50	On ∞		1 2 3 4 5 6
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE					PC

LUCE LAMPEGGIANTE / FLASHING LIGHT / LUMIERE CLIGNOTANTE / BLINKLICHT / LUZ INTERMITENTE



LD SP L
LD SPL
⑬ ⑮

Kg. 0,026

LD SPL12DA1 ● 38171	LD SPL24DA1 ● 38181	LD SPL48DA1 ● 38191	LD SPL110A1 ● 38201	LD SPL240A1 ● 38211
LD SPL12DA2 ● 38172	LD SPL24DA2 ● 38182	LD SPL48DA2 ● 38192	LD SPL110A2 ● 38202	LD SPL240A2 ● 38212
LD SPL12DA3 ● 38173	LD SPL24DA3 ● 38183	LD SPL48DA3 ● 38193	LD SPL110A3 ● 38203	LD SPL240A3 ● 38213
LD SPL12DA4 ● 38174	LD SPL24DA4 ● 38184	LD SPL48DA4 ● 38194	LD SPL110A4 ● 38204	LD SPL240A4 ● 38214
LD SPL12DA5 ● 38175	LD SPL24DA5 ● 38185	LD SPL48DA5 ● 38195	LD SPL110A5 ● 38205	LD SPL240A5 ● 38215
LD SPL12DA6 ○ 38176	LD SPL24DA6 ○ 38186	LD SPL48DA6 ○ 38196	LD SPL110A6 ○ 38206	LD SPL240A6 ○ 38216

	V $\overline{\sim}$	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

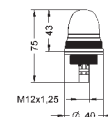


MINI LUCI A LED INTEGRATI

LED INTEGRATED MINI BEACONS / MINI DISPOSITIFS A LEDS INTEGRES /
MINI LEUCHTEN MIT INTEGRIERTEN LED / MINI DISPOSITIVOS DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)					==	$\sim$ 50/60 Hz	IP 66			
°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

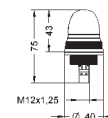
13 15

LDMINIOVOF24DA1 31601	LDMINIOVOF110A1 31611	LDMINIOVOF240A1 31621
LDMINIOVOF24DA2 31602	LDMINIOVOF110A2 31612	LDMINIOVOF240A2 31622
LDMINIOVOF24DA3 31603	LDMINIOVOF110A3 31613	LDMINIOVOF240A3 31623
LDMINIOVOF24DA4 31604	LDMINIOVOF110A4 31614	LDMINIOVOF240A4 31624
LDMINIOVOF24DA5 31605	LDMINIOVOF110A5 31615	LDMINIOVOF240A5 31625
LDMINIOVOF24DA6 31606	LDMINIOVOF110A6 31616	LDMINIOVOF240A6 31626

V $\equiv$		24	-	-
V $\sim$		110	240	
● ● ●	mA	55	60	45
● ● ○	mA	50	60	45

V 24 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)				$\equiv$	$\sim$ 50/60 Hz		Flash/min. 150 $\pm$ 20					
IP 66		$^{\circ}\text{C}$ -30 +50	On ∞								PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

LUCE LAMPEGGIANTE / FLASHING LIGHT / LUMIERE CLIGNOTANTE / BLINKLICHT / LUZ INTERMITENTE



Kg 0,047

LD MINI OVO L

LDMINIOVOL

13 15

LDMINIOVOL24DA1 31631	LDMINIOVOL110A1 31641	LDMINIOVOL240A1 31651
LDMINIOVOL24DA2 31632	LDMINIOVOL110A2 31642	LDMINIOVOL240A2 31652
LDMINIOVOL24DA3 31633	LDMINIOVOL110A3 31643	LDMINIOVOL240A3 31653
LDMINIOVOL24DA4 31634	LDMINIOVOL110A4 31644	LDMINIOVOL240A4 31654
LDMINIOVOL24DA5 31635	LDMINIOVOL110A5 31645	LDMINIOVOL240A5 31655
LDMINIOVOL24DA6 31636	LDMINIOVOL110A6 31646	LDMINIOVOL240A6 31656

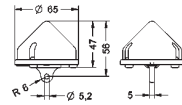
V $\equiv$		24	-	-
V $\sim$		110	240	
● ● ●	mA	55	60	45
● ● ○	mA	50	60	45



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 12 $\overline{\sim}$ - 24 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)				==		$\sim$ 50/60 Hz		Flash/min. 0-150 $\pm$ 20				
IP 65		°C -30 +50	On ∞		1	2	3	4	5	6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg 0,064

LD 4.5.4 LU C
LD454LUC

(2)

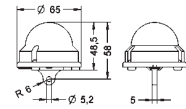
LD454LUC12DA1 ● 41161
LD454LUC12DA2 ● 41162
LD454LUC12DA3 ● 41163
LD454LUC12DA4 ● 41164
LD454LUC12DA5 ● 41165
LD454LUC12DA6 ○ 41166

LD454LUC24DA1 ● 41171
LD454LUC24DA2 ● 41172
LD454LUC24DA3 ● 41173
LD454LUC24DA4 ● 41174
LD454LUC24DA5 ● 41175
LD454LUC24DA6 ○ 41176

LD454LUC110A1 ● 41181
LD454LUC110A2 ● 41182
LD454LUC110A3 ● 41183
LD454LUC110A4 ● 41184
LD454LUC110A5 ● 41185
LD454LUC110A6 ○ 41186

LD454LUC240A1 ● 41191
LD454LUC240A2 ● 41192
LD454LUC240A3 ● 41193
LD454LUC240A4 ● 41194
LD454LUC240A5 ● 41195
LD454LUC240A6 ○ 41196

	V $\overline{\sim}$	12	24	—	—
	V $\sim$			110	240
● ● ●	mA	110	70	55	65
● ● ○	mA	95	60	55	65



Kg 0,063

LD 4.5.4 LU S
LD454LUS

(2)

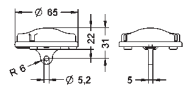
LD454LUS12DA1 ● 41201
LD454LUS12DA2 ● 41202
LD454LUS12DA3 ● 41203
LD454LUS12DA4 ● 41204
LD454LUS12DA5 ● 41205
LD454LUS12DA6 ○ 41206

LD454LUS24DA1 ● 41211
LD454LUS24DA2 ● 41212
LD454LUS24DA3 ● 41213
LD454LUS24DA4 ● 41214
LD454LUS24DA5 ● 41215
LD454LUS24DA6 ○ 41216

LD454LUS110A1 ● 41221
LD454LUS110A2 ● 41222
LD454LUS110A3 ● 41223
LD454LUS110A4 ● 41224
LD454LUS110A5 ● 41225
LD454LUS110A6 ○ 41226

LD454LUS240A1 ● 41231
LD454LUS240A2 ● 41232
LD454LUS240A3 ● 41233
LD454LUS240A4 ● 41234
LD454LUS240A5 ● 41235
LD454LUS240A6 ○ 41236

	V $\overline{\sim}$	12	24	—	—
	V $\sim$			110	240
● ● ●	mA	110	70	55	65
● ● ○	mA	95	60	55	65



Kg 0,060

LD 4.5.4 LU P
LD454LUP

(2)

LD454LUP12DA1 ● 41241
LD454LUP12DA2 ● 41242
LD454LUP12DA3 ● 41243
LD454LUP12DA4 ● 41244
LD454LUP12DA5 ● 41245
LD454LUP12DA6 ○ 41246

LD454LUP24DA1 ● 41251
LD454LUP24DA2 ● 41252
LD454LUP24DA3 ● 41253
LD454LUP24DA4 ● 41254
LD454LUP24DA5 ● 41255
LD454LUP24DA6 ○ 41256

LD454LUP110A1 ● 41261
LD454LUP110A2 ● 41262
LD454LUP110A3 ● 41263
LD454LUP110A4 ● 41264
LD454LUP110A5 ● 41265
LD454LUP110A6 ○ 41266

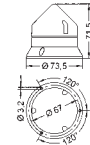
LD454LUP240A1 ● 41271
LD454LUP240A2 ● 41272
LD454LUP240A3 ● 41273
LD454LUP240A4 ● 41274
LD454LUP240A5 ● 41275
LD454LUP240A6 ○ 41276

	V $\overline{\sim}$	12	24	—	—
	V $\sim$			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 LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm$ 10%)				==		$\sim$ 50/60 Hz		Flash/min. 0-150 $\pm$ 20			
IP 54		°C -30 +50	On ∞					PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE		



Kg. 0,09

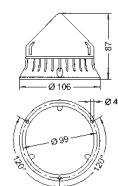
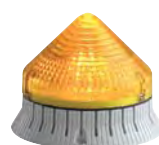
LD 085 CTL 600

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 $\overline{\sim}$	24	48	—	—
				110	240
	V $\sim$				
	mA	70	65	20	20
	mA	70	70	20	20



Kg. 0,20

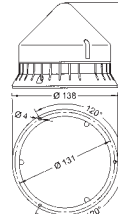
LD 165 CTL 900

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 $\overline{\sim}$	24	48	—	—
				110	240
	V $\sim$				
	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 $\overline{\sim}$	24	48	—	—
				110	240
	V $\sim$				
	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

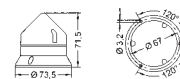
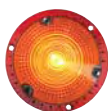


DISPOSITIVI DI SEGNALEZIONE ACUSTICO/LUMINOSA A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING SIGNALS – AUDIBLE/VISUAL / DISPOSITIFS DE SIGNALISATION ACOUSTIQUE/LUMINEUSE A LEDS INTEGRES / AKUSTISCHE UND OPTISCHE SIGNALGERÄTE MIT INTEGRIERTEN LED / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	== $\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20	IP 30	
	°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 (CONTINU) / BLINK- (DAUER-) LICHT – AUSSETZENDE (DAUERE) TONFOLGE / LUZ INTERMITTENTE (FIJA) – SONIDO INTERMITTENTE (CONTINUO)

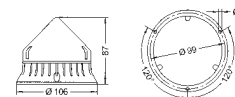


Kg. 0,09

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 $\overline{\sim}$	24	48	—	—
V $\sim$	—	—	110	240
mA ● ● ●	70	65	20	20
mA ● ● ○	70	70	20	20
dB(A)1m	65	65	65	65
Hz 3600				

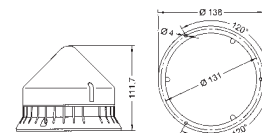


Kg. 0,21

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 $\overline{\sim}$	24	48	—	—
V $\sim$	—	—	110	240
mA ● ● ●	90	100	20	20
mA ● ● ○	90	80	20	20
dB(A)1m	72	72	72	72
Hz 2700				



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 $\overline{\sim}$	24	48	—	—
V $\sim$	—	—	110	240
mA ● ● ●	105	120	20	20
mA ● ● ○	105	95	20	20
dB(A)1m	85	85	85	85
Hz 3600				

V 24-48-110-240 ($\pm 10\%$)	== $\sim$ 50/60 Hz	Flash/min. 150 $\pm$ 20	IP 30		
°C -30+50	On ∞	Hz (==) 650 $\pm$ 50	Hz ($\sim$) 300÷7000		1 2 3 4 5 / 6
					PC

LUCE LAMPEGGIANTE – SUONO CONTINUO / FLASHING LIGHT – CONTINUOUS SOUND / LUMIERE CLIGNOTANTE – SON CONTINU / BLINKLICHT – DAUERE TONFOLGE / LUZ INTERMITTENTE – SONIDO CONTINUO



LD 85 SLH LD85SLH ⑩ ⑪

V $\overline{\sim}$	24	48
mA ● ● ●	115	100
mA ● ● ○	115	105
dB(A)1m	84	84
Hz	650 $\pm$ 50	

V $\sim$	24	48	110	240
mA ● ● ●	210	180	80	60
mA ● ● ○	210	185	80	60
dB(A)1m	86	86	86	86
Hz	300 $\div$ 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

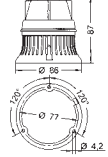
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)		==	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20	
IP 54		°C -30 +50	On ∞		1 2 3 4 5 6
				PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE



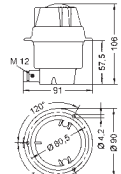
LD 125 MICRO
LD125MC

(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

	V $\overline{\sim}$	24	48	—	—
	V $\sim$			110	240
	mA	90	65	20	20
	mA	80	65	20	20

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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 $\overline{\sim}$	24	48	—	—
	V $\sim$			110	240
	mA	90	65	20	20
	mA	80	65	20	20

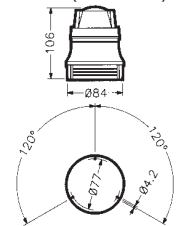


DISPOSITIVO DI SEGNALEZIONE ACUSTICO/LUMINOSA A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING SIGNAL – AUDIBLE/VISUAL / DISPOSITIF DE SIGNALISATION ACOUSTIQUE/LUMINEUSE A LEDS INTEGRES / AKUSTISCHES UND OPTISCHES SIGNALGERÄT MIT INTEGRIERTEN LED / DISPOSITIVO DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)		==	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20		IP 30	
	°C -30 +50	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	

LUCE LAMPEGGIANTE (FISSA) – SUONO INTERMITTENTE (CONTINUO) / FLASHING (CONTINUOUS) LIGHT – INTERMITTENT (CONTINUOUS) SOUND / LUMIERE CLIGNOTANTE (FIXE) – SON INTERMITTENT (CONTINU) / BLINK- (DAUER-) LICHT – AUSSETZENDE (DAUER) TONFOLGE / LUZ INTERMITENTE (FIJA) – SONIDO INTERMITENTE (CONTINUO)



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 $\overline{\sim}$	24	48	—	—
	V $\sim$			110	240
	mA	90	65	20	20
	mA	80	65	20	20
	dB(A)1m	75	75	75	75
	Hz 2700				

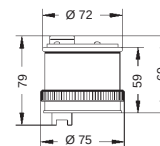
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes - Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



TOWER SECTOR - LD TWS LUCE FISSA A LED INTEGRATI

TOWER SECTOR – LD TWS LED INTEGRATED CONTINUOUS LIGHT / TOWER SECTOR – LD TWS LUMIERE FIXE A LEDS INTEGRES / TOWER SECTOR – LD TWS DAUERLICHT MIT INTEGRIERTEN LED / TOWER SECTOR – LD TWS LUZ FIJA DE LED'S INTEGRADOS

$V_{24 \sim 48 \sim 110 \sim 240 (\pm 10\%)}$	$\sim 50/60 \text{ Hz}$	IP 65	
$^{\circ}\text{C} -30 +50$	On ∞		1 2 3 4 5 6
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg 0,11

LD 125 TWS F
LD125TWSF

(2)

$V_{\sim}$	24	48	—	—
$V_{\sim}$			110	240
● ● ●	mA	90	65	20
● ● ○	mA	80	65	20

LD125TWSF24DA1 ● 66721
LD125TWSF24DA2 ● 66722
LD125TWSF24DA3 ● 66723
LD125TWSF24DA4 ● 66724
LD125TWSF24DA5 ● 66725
LD125TWSF24DA6 ○ 66726

LD125TWSF48DA1 ● 66731
LD125TWSF48DA2 ● 66732
LD125TWSF48DA3 ● 66733
LD125TWSF48DA4 ● 66734
LD125TWSF48DA5 ● 66735
LD125TWSF48DA6 ○ 66736

LD125TWSF110A1 ● 66741
LD125TWSF110A2 ● 66742
LD125TWSF110A3 ● 66743
LD125TWSF110A4 ● 66744
LD125TWSF110A5 ● 66745
LD125TWSF110A6 ○ 66746

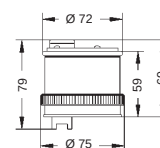
LD125TWSF240A1 ● 66751
LD125TWSF240A2 ● 66752
LD125TWSF240A3 ● 66753
LD125TWSF240A4 ● 66754
LD125TWSF240A5 ● 66755
LD125TWSF240A6 ○ 66756



TOWER SECTOR - LD TWS LUCE LAMPEGGIANTE A LED INTEGRATI

TOWER SECTOR – LD TWS LED INTEGRATED FLASHING LIGHT / TOWER SECTOR – LD TWS LUMIERE CLIGNOTANTE A LEDS INTEGRES / TOWER SECTOR – LD TWS BLINKLICHT MIT INTEGRIERTEN LED / TOWER SECTOR – LD TWS LUZ INTERMITENTE DE LED'S INTEGRADOS

$V_{24 \sim 48 \sim 110 \sim 240 (\pm 10\%)}$	$\sim 50/60 \text{ Hz}$	Flash/min.150±20	
IP 65	$^{\circ}\text{C} -30 +50$	On ∞	1 2 3 4 5 6
		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg 0,12

LD 125 TWS L
LD125TWSL

(2)

LD125TWSL24DA1 ● 66421
LD125TWSL24DA2 ● 66422
LD125TWSL24DA3 ● 66423
LD125TWSL24DA4 ● 66424
LD125TWSL24DA5 ● 66425
LD125TWSL24DA6 ○ 66426

LD125TWSL48DA1 ● 66431
LD125TWSL48DA2 ● 66432
LD125TWSL48DA3 ● 66433
LD125TWSL48DA4 ● 66434
LD125TWSL48DA5 ● 66435
LD125TWSL48DA6 ○ 66436

LD125TWSL110A1 ● 66441
LD125TWSL110A2 ● 66442
LD125TWSL110A3 ● 66443
LD125TWSL110A4 ● 66444
LD125TWSL110A5 ● 66445
LD125TWSL110A6 ○ 66446

LD125TWSL240A1 ● 66451
LD125TWSL240A2 ● 66452
LD125TWSL240A3 ● 66453
LD125TWSL240A4 ● 66454
LD125TWSL240A5 ● 66455
LD125TWSL240A6 ○ 66456

$V_{\sim}$	24	48	—	—
$V_{\sim}$			110	240
● ● ●	mA	90	65	20
● ● ○	mA	80	65	20

COLONNA TWS
A LED INTEGRATI

LED INTEGRATED
TWS TOWER

COLONNE TWS
AVEC LEDS
INTEGRES

LICHTSÄULE
TWS MIT
INTEGRIERTEN LED

COLUMNA
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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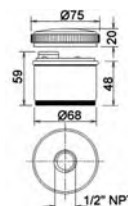


TWS B.C. BASE DI CABLAGGIO + CAPPELLO

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 $\bar{\sim}$ -110÷240 $\sim$ ($\pm 10\%$)	==	~ 50/60 Hz	IP 54
		°C -30 +60	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			

TWS A



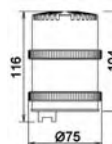
MODULO ACUSTICO PIEZO ELETTRICO 6 SUONI SELEZIONABILI DA DIP SWITCH

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 PIEZOELEKTRISCHES ELEMENT 6 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR DURCH DIP-SWITCH /
MÓDULO ACÚSTICO PIEZOELÉCTRICO 6 TONOS
SELECCIONABLES POR DIP SWITCH

(2)

V $\bar{\sim}$	12 ÷ 24 ÷ 48			-	-	-
V $\sim$				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 $\bar{\sim}$ -110÷240 $\sim$ ($\pm 10\%$)	==	~ 50/60 Hz	IP 65
		°C -30 +60	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			

TWS A IP65



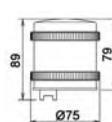
MODULO ACUSTICO PIEZO ELETTRICO 6 SUONI SELEZIONABILI DA DIP SWITCH

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 PIEZOELEKTRISCHES ELEMENT 6 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR DURCH DIP-SWITCH /
MÓDULO ACÚSTICO PIEZOELÉCTRICO
6 TONOS SELECCIONABLES POR DIP SWITCH

(2)

V $\bar{\sim}$	12 ÷ 24 ÷ 48			-	-	-
V $\sim$				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 $\bar{\sim}$ - 48 $\sim$ -110 $\sim$ - 230/240 $\sim$ ($\pm 10\%$)	==	~ 50/60 Hz	IP 54
		°C -30 +60	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			

TWS AM



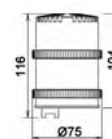
MODULO ACUSTICO MAGNETODINAMICO 32 SUONI SELEZIONABILI DA DIP SWITCH

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 MAGNETODYNAMISCHES ELEMENT 32 VERSCHIEDENE
TONFOLGEN AUSWÄHLBAR DURCH DIP-SWITCH /
MÓDULO ACÚSTICO MAGNETODINÁMICO
32 TONOS SELECCIONABLES POR DIP SWITCH

(2)

V $\bar{\sim}$	12/24	-	-	-	-
V $\sim$		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



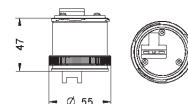
MINI TOWER SECTOR

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 LEDS INTEGRES / MINI TOWER SECTOR – LD MINI TWS DAUER-/BLINKLICHT MIT INTEGRIERTEN LED / MINI TOWER SECTOR – LD MINI TWS LUZ FIJA/INTERMITENTE DE LED'S INTEGRADOS



$V_{24} \sim - 110 \sim - 240 \sim (\pm 10\%)$	$\sim 50/60 \text{ Hz}$	Flash/min.0-150±20	IP 65
$^{\circ}\text{C} -30 +50$	On ∞	1 2 3 4 5 6	PC



LD MINI TWS F/L LDMINITWSFL

(2)

Kg 0,045

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
LDMINITWSFL24DA6 31506	LDMINITWSFL110A6 31516	LDMINITWSFL240A6 31526

$V_{\sim}$	24	110	240
$V_{\sim}$	24	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 ELEMENTE / MINI TOWER SECTOR – MÓDULOS MINI TWS

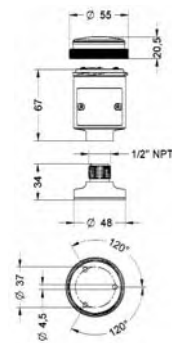
$V_{\text{MAX}} 240$	IP 65	$^{\circ}\text{C} -30 +50$	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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MINI TWS B.C.
BASE DI CABLAGGIO
+ CAPPELLO + BASETTA
WIRING BASE + COVER + FOOT
BASE DE CABLAGE + COUVERCLE + BASE DE FIXATION
VERDRAHTUNGSSOCKEL + DECKEL + FUSS
BASE DE CABLEADO + TAPA + PIE

MINITWSBC 31500

(2)



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

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



MINI TWS A
MODULO ACUSTICO MAGNETODINAMICO
MAGNETODYNAMIC ACOUSTIC MODULE
ELEMENT ACOUSTIQUE MAGNETO-DYNAMIQUE
AKUSTISCHES MAGNETODYNAMISCHES ELEMENT
MÓDULO ACÚSTICO MAGNETODINÁMICO

$V_{\sim}$	24	110	240
$V_{\sim}$	24	110	240
mA	130	10	15
dB(A) 1m	77	77	77
Hz	800 / 1000		



Kg 0,18

MINITWSA24DA 31531
MINITWSA110A 31532
MINITWSA240A 31533

(2)

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



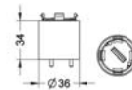
BABY TOWER SECTOR

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 INTEGRES / BABY TOWER SECTOR – LD BABY TWS DAUERLICHT MIT INTEGRIERTEN LED /
BABY TOWER SECTOR – LD BABY TWS LUZ FIJA DE LED'S INTEGRADOS



$V_{24\sqrt{2}} (\pm 10\%)$	$\equiv$	$\sim$ 50/60 Hz	IP 65		$^{\circ}\text{C}$ -30 +50
On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING 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

	$V_{\equiv}$	24
	$V_{\sim}$	24
●	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

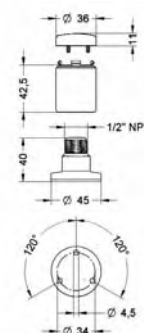
$V_{\text{MAX}} 240$	IP 65	$^{\circ}\text{C}$ -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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BABY TWS B.C.
BASE DI CABLAGGIO
+ CAPPELLO + BASETTA
WIRING BASE + COVER + FOOT
BASE DE CABLAGE + COUVERCLE + BASE 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

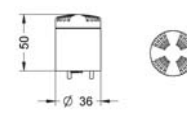
$V_{24\sqrt{2}} (\pm 10\%)$	$\equiv$	$\sim$ 50/60 Hz	IP 54
		$^{\circ}\text{C}$ -30 +50	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			



BABY TWS A
MODULO ACUSTICO PIEZOELETTRICO
PIEZOELECTRIC ACOUSTIC MODULE
ELEMENT ACOUSTIQUE PIEZO-ELECTRIQUE
AKUSTISCHES PIEZOELEKTRISCHES ELEMENT
MÓDULO ACÚSTICO PIEZOELÉCTRICO

(2)

$V_{\equiv}$	24
$V_{\sim}$	24
mA	10
dB(A) 1m	72
Hz	4000±300



Kg 0,044

BABYTWSA24DA 36461

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

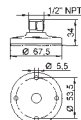


PA

TWS BS

TWSBS 27760

Kg. 0,03



PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili



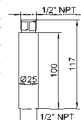
PA

TWS PR

TWSPR 27761

Kg. 0,03

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 taponcitos a saltos amovibles



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

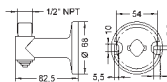


PA

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

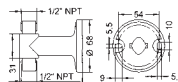


PA

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-Füllstücke / 1 PR + 1 BS - con OR, junta de base y dos taponcitos a saltos amovibles

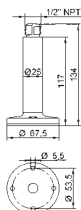


PA

TWS KIT

TWSKIT 27764

Kg. 0,06



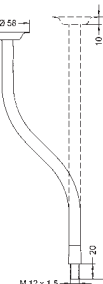
PROLUNGA FLESSIBILE ACCIAIO

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

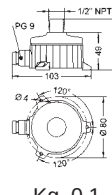


PA

TWS BOX PG9

TWSBOXPG9 27777

Kg. 0,1



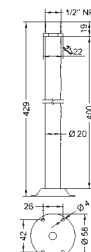
PROLUNGA ACCIAIO INOX (h. 400 mm) con O-Ring

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

TWSKITINOXL400 27767



Kg. 0,28

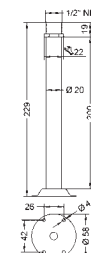
PROLUNGA ACCIAIO INOX (h. 200 mm) con O-Ring

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



TWS KIT INOX L/200

TWSKITINOXL200 27766



Kg. 0,18

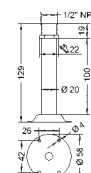
PROLUNGA ACCIAIO INOX (h. 100 mm) con O-Ring

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



TWS KIT INOX L/100

TWSKITINOXL100 27765



Kg. 0,14

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

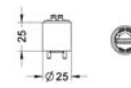
MICRO TOWER SECTOR

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 INTEGRES / MICRO TOWER SECTOR – LD MICRO TWS DAUERLICHT MIT INTEGRIERTEN LED / MICRO TOWER SECTOR – LD MICRO TWS LUZ FIJA DE LED'S INTEGRADOS



$V_{24\bar{\sim}}$ ($\pm 10\%$)	$\equiv$	$\sim$ 50/60 Hz	IP 65		$^{\circ}\text{C}$ -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

	$V \equiv$	24
	$V \sim$	
●	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

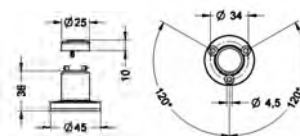
V_{MAX} 24	IP 65	$^{\circ}\text{C}$ -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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MICRO TWS B.C.

BASE DI CABLAGGIO + CAPPELLO

WIRING BASE + COVER
BASE DE CABLAGE + COUVERCLE
VERDRAHTUNGSSOCKEL + DECKEL
BASE DE CABLEADO + TAPA



MICROTWSBC 31537

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

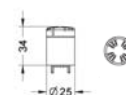
$V_{24\bar{\sim}}$ ($\pm 10\%$)	$\equiv$	$\sim$ 50/60 Hz	IP 54
		$^{\circ}\text{C}$ -30 +50	On ∞
			AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



MICRO TWS A

MODULO ACUSTICO PIEZOELETTRICO
PIEZOELECTRIC ACOUSTIC MODULE
ELEMENT ACOUSTIQUE PIEZO-ELECTRIQUE
AKUSTISCHES PIEZOELEKTRISCHES ELEMENT
MÓDULO ACÚSTICO PIEZOELÉCTRICO

$V \equiv$	24
$V \sim$	
mA	5
dB(A) 1m	65
Hz	3600 $\pm$ 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

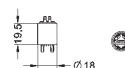
NANO TOWER SECTOR – LD NANO TWS LED INTEGRATED CONTINUOUS LIGHT / NANO TOWER SECTOR – LD NANO TWS LUMIERE FIXE A LEDS INTEGRES / NANO TOWER SECTOR – LD NANO TWS DAUERLICHT MIT INTEGRIERTEN LED / NANO TOWER SECTOR – LD NANO TWS LUZ FIJA DE LED'S INTEGRADOS

$V_{24\overline{\sim}}$ ($\pm 10\%$)	$\overline{\sim}$	$\sim 50/60\text{ Hz}$	IP 65		$^{\circ}\text{C} -30 +50$
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

	$V_{\overline{\sim}}$	24
	$V_{\sim}$	24
●	mA	15
●	mA	15
●	mA	15
●	mA	15
●	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

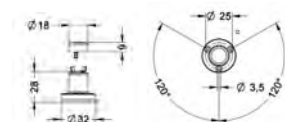
$V_{\text{MAX}} 24$	IP 65	$^{\circ}\text{C} -30 +50$	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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NANO TWS B.C.
BASE DI CABLAGGIO
+ CAPPELLO

WIRING BASE + COVER
 BASE DE CABLAGE + COUVERCLE
 VERDRAHTUNGSSOCKEL + DECKEL
 BASE DE CABLEADO + TAPA

(2)



Kg 0,014

NANOTWSBC 31587

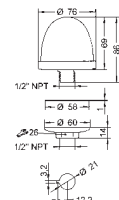
Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

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 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	==	~ 50/60 Hz	IP 65	
°C -30 +50	On ∞		1 2 3 4 5 6	PC



LD 125 OVO F
LD125OVOF

(11)

Kg. 0,13

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
● ● ● ○	mA	80	65	20



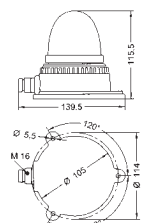
M16



M16



M16



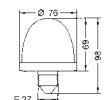
LD 125 OVO F PG9
LD125OVOPG9

(11)

Kg. 0,22

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
● ● ● ○	mA	80	65	20



LD 125 OVO F E
LD125OVOF E

(11)

Kg. 0,10

LD125OVOF E24DA1 ● 66681	LD125OVOF E48DA1 ● 66691	LD125OVOF E110A1 ● 66701	LD125OVOF E240A1 ● 66711
LD125OVOF E24DA2 ● 66682	LD125OVOF E48DA2 ● 66692	LD125OVOF E110A2 ● 66702	LD125OVOF E240A2 ● 66712
LD125OVOF E24DA3 ● 66683	LD125OVOF E48DA3 ● 66693	LD125OVOF E110A3 ● 66703	LD125OVOF E240A3 ● 66713
LD125OVOF E24DA4 ● 66684	LD125OVOF E48DA4 ● 66694	LD125OVOF E110A4 ● 66704	LD125OVOF E240A4 ● 66714
LD125OVOF E24DA5 ● 66685	LD125OVOF E48DA5 ● 66695	LD125OVOF E110A5 ● 66705	LD125OVOF E240A5 ● 66715
LD125OVOF E24DA6 ○ 66686	LD125OVOF E48DA6 ○ 66696	LD125OVOF E110A6 ○ 66706	LD125OVOF E240A6 ○ 66716

V ==	24	48	—	—
V ~			110	240
● ● ● ●	mA	90	65	20
● ● ● ○	mA	80	65	20

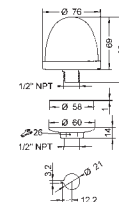
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	$\overline{\sim}$	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20
IP 65		°C -30 +50	On ∞
	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



LD 125 OVO
LD125OVO

(11)

Kg. 0,13

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



M16



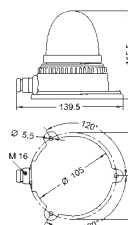
M16



M16

LD 125 OVO PG9
LD125OVOPG9

(11)



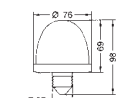
Kg. 0,22

LD125OVOPG924DA1 ● 66341	LD125OVOPG948DA1 ● 66351	LD125OVOPG9110A1 ● 66361	LD125OVOPG9240A1 ● 66371
LD125OVOPG924DA2 ● 66342	LD125OVOPG948DA2 ● 66352	LD125OVOPG9110A2 ● 66362	LD125OVOPG9240A2 ● 66372
LD125OVOPG924DA3 ● 66343	LD125OVOPG948DA3 ● 66353	LD125OVOPG9110A3 ● 66363	LD125OVOPG9240A3 ● 66373
LD125OVOPG924DA4 ● 66344	LD125OVOPG948DA4 ● 66354	LD125OVOPG9110A4 ● 66364	LD125OVOPG9240A4 ● 66374
LD125OVOPG924DA5 ● 66345	LD125OVOPG948DA5 ● 66355	LD125OVOPG9110A5 ● 66365	LD125OVOPG9240A5 ● 66375
LD125OVOPG924DA6 ○ 66346	LD125OVOPG948DA6 ○ 66356	LD125OVOPG9110A6 ○ 66366	LD125OVOPG9240A6 ○ 66376

	V $\overline{\sim}$	24	48	—	—
	V $\sim$			110	240
● ● ● ●	mA	90	65	20	20
● ● ● ○	mA	80	65	20	20

LUCE LAMPEGGIANTE A LED INTEGRATI

LED INTEGRATED FLASHING BEACON / FEU CLIGNOTANT A LEDS INTEGRES / BLINKLEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE DE LED'S INTEGRADOS



LD 125 OVO L E
LD125OVOLE

(11)

Kg. 0,10

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 $\overline{\sim}$	24	48	—	—
	V $\sim$			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 / PASSTÜCK (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: / PASSTÜCK ERFORDERLICH FÜR DIE MONTAGE DER FOLGENDEN ZUBEHÖRE: / ADAPTADOR INDISPENSABLE PARA EL MONTAJE DE LOS ACCESORIOS SIGUIENTES:

BASETTA - con O-Ring e guarnizione di base

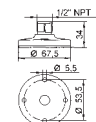
FOOT - with O-Ring and base gasket / SOCLE - avec joint torique et joint de base / FUß - mit O-Ring und Sockeldichtung / PIE - con OR y junta de base



PA

TWS BS

TWSBS 27760



Kg. 0,03

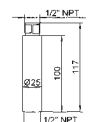
PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili / EXTENSION STEM (h. 10 cm. - stackable) - with O-Ring
and two removable snap-shut stoppers / RALLONGE (h. 10 cm. - superposable) - avec joint torique et deux bouchons à déclenchement amovibles / VERLÄNGERUNG
(h. 10 cm. - übereinanderlegbar) - mit O-Ring und zwei abnehmbaren Schnapp-Füllstücke / 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

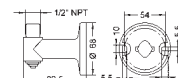
1 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 1 FILET - avec joint torique et joint de base /
1 GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 1 ROSCA - con OR y junta de base



PA

TWS BP 1

TWSBP1 27762



Kg. 0,04

BASE A PARETE 2 FILETTI - con O-Ring e guarnizione di base

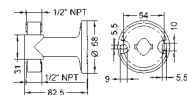
2 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 2 FILETS - avec joint torique et joint de base /
2 GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 2 ROSCAS - con OR y junta de base



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

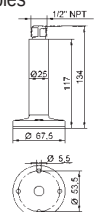
1 PR + 1 BS - with O-Ring, base gasket and two removable snap-shut stoppers / 1 PR + 1 BS - avec joint torique, joint de base et deux bouchons à déclenchement amovibles /
1 PR + 1 BS - mit O-Ring, Sockeldichtung und zwei abnehmbaren Schnapp-Füllstücke / 1 PR + 1 BS - con OR, junta de base y dos taponcitos a saltos amovibles



PA

TWS KIT

TWSKIT 27764



Kg. 0,06

BOX DI GIUNZIONE

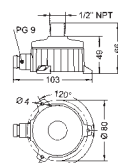
JUNCTION BOX / BOITE DE JONCTION / ANSCHLUSSKASTEN / CAJA DE CONEXIÓN



PA

TWS BOX PG9

TWSBOXPG9 27777



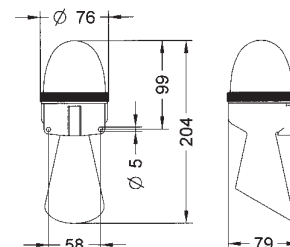
Kg. 0,1

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 INTEGRES / INDUSTRIE SIGNALHUPEN MIT WARNLICHT – LED INTEGRIERT / DISPOSITIVOS DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24 $\overline{=}$ - 48 $\overline{=}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	$\overline{=}$	$\sim$ 50/60 Hz	IP 43	
—	°C -30 +50	On ∞		1 2 3 4 5 6
			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg. 0,25

	V $\overline{=}$	24	48
	mA	130	85
	mA	120	85
	dB(A) 1m	96	96
	Hz	650 $\pm$ 50	

	V $\sim$	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 $\pm$ 20

LD125SLEML24D2	40502	LD125SLEML48D2	40522	LD125SLEML110A2	40542
LD125SLEML24D3	40503	LD125SLEML48D3	40523	LD125SLEML110A3	40543
LD125SLEML24D4	40504	LD125SLEML48D4	40524	LD125SLEML110A4	40544
LD125SLEML24A2	40512	LD125SLEML48A2	40532	LD125SLEML240A2	40552
LD125SLEML24A3	40513	LD125SLEML48A3	40533	LD125SLEML240A3	40553
LD125SLEML24A4	40514	LD125SLEML48A4	40534	LD125SLEML240A4	40554

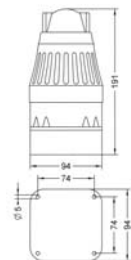
DISPOSITIVO DI SEGNALAZIONE ACUSTICO/LUMINOSA A LED INTEGRATI

LED INTEGRATED DOUBLE WARNING SIGNAL – AUDIBLE/VISUAL / DISPOSITIF DE SIGNALISATION ACOUSTIQUE/LUMINEUSE A LEDS INTEGRES / AKUSTISCHES UND OPTISCHES SIGNALGERÄT MIT INTEGRIERTEN LED / DISPOSITIVO DE SEÑALIZACIÓN ACÚSTICO/LUMINOSA DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\sim$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)				==		$\sim$ 50/60 Hz		Flash/min. 150 $\pm$ 20	
IP 30								$^{\circ}\text{C}$ -30 +50	On ∞
						PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

LUCE LAMPEGGIANTE - SUONO INTERMITTENTE (CONTINUO)

FLASHING LIGHT – INTERMITTENT (CONTINUOUS) SOUND / LUMIERE CLIGNOTANTE – SON INTERMITTENT (CONTINU) / BLINKLICHT – AUSSETZENDE (DAUERE) TONFOLGE / LUZ INTERMITENTE – SONIDO INTERMITENTE (CONTINUO)



Kg. 0,96

LD 125 SIRLAMP MS 5 LD125SIRLAMPMS5

3

	V $\overline{\sim}$	24	—	—	—	— SUONO LINEARE / SINGLE SOUND / SON LINEAIRE / LINEARE TONFOLGE / SONIDO LINEAL	Hz 1000		
	V $\sim$	48	110	240		SUONO BITONALE / BI-TONE SOUND / SON BITONAL / BITONALE TONFOLGE / SONIDO BITONAL	Hz 600/700	F/m 150	F/m 150
	mA	460	210	90	55	SUONO PLURITONALE / MULTI-TONE SOUND / SON MULTITONAL / PLURITONALE TONFOLGE / SONIDO PLURITONAL	Hz 1000÷1700	F/m 150	F/m 150
	mA	450	210	90	55	SUONO MODULATO / MODULATED SOUND / SON MODULE / MODULIERTE TONFOLGE / SONIDO MODULADO	Hz 1000÷1700	F/m 150	F/m 150
	dB(A)1m	Min. 90 - Max 97				SUONO ALTERNATIVO / ALTERNATIVE SOUND / SON ALTERNATIF / ALTERNATIVE TONFOLGE / SONIDO ALTERNATIVO	Hz 440/550	F/m 150	F/m 150

LD125SIRLMS524DA1 64951
LD125SIRLMS524DA2 64952
LD125SIRLMS524DA3 64953
LD125SIRLMS524DA4 64954
LD125SIRLMS524DA5 64955
LD125SIRLMS524DA6 64956

LD125SIRLMS548A1 64961
LD125SIRLMS548A2 64962
LD125SIRLMS548A3 64963
LD125SIRLMS548A4 64964
LD125SIRLMS548A5 64965
LD125SIRLMS548A6 64966

LD125SIRLMS5110A1 64971
LD125SIRLMS5110A2 64972
LD125SIRLMS5110A3 64973
LD125SIRLMS5110A4 64974
LD125SIRLMS5110A5 64975
LD125SIRLMS5110A6 64976

LD125SIRLMS5240A1 64981
LD125SIRLMS5240A2 64982
LD125SIRLMS5240A3 64983
LD125SIRLMS5240A4 64984
LD125SIRLMS5240A5 64985
LD125SIRLMS5240A6 64986

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 LINEARI A LED INTEGRATI

LED INTEGRATED LINEAR WARNING LIGHTS / DISPOSITIFS DE SIGNALISATION LINEAIRES A LEDS INTEGRES /
LINEARE SIGNALGERÄTE MIT INTEGRIERTEN LED / DISPOSITIVOS DE SEÑALIZACIÓN LINEARES DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)			==		$\sim$ 50/60 Hz		Flash/min. 2x125 ± 5	
IP 54		°C -30 +50	On ∞			PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE

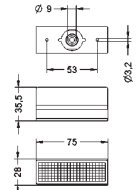
TRIPLO LAMPEGGIO PER EFFETTO FLASH

THREE BLINKS FOR "FLASH" EFFECT / TRIPLE CLIGNOTEMENT POUR EFFET ECLAT /
3-FACH BLITZFOLGE / TRIPLE DESTELLO PARA EFECTO FLASH



LD SX 5Q P
LDSX5QP

(15)



Kg 0,067

LDSX5QP24DA1 ● 36571
LDSX5QP24DA2 ● 36572
LDSX5QP24DA3 ● 36573
LDSX5QP24DA4 ● 36574
LDSX5QP24DA5 ● 36575
LDSX5QP24DA6 ○ 36576

LDSX5QP110A1 ● 36581
LDSX5QP110A2 ● 36582
LDSX5QP110A3 ● 36583
LDSX5QP110A4 ● 36584
LDSX5QP110A5 ● 36585
LDSX5QP110A6 ○ 36586

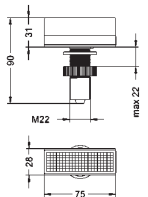
LDSX5QP240A1 ● 36591
LDSX5QP240A2 ● 36592
LDSX5QP240A3 ● 36593
LDSX5QP240A4 ● 36594
LDSX5QP240A5 ● 36595
LDSX5QP240A6 ○ 36596

	V $\overline{\sim}$	24	—	—
	V $\sim$	24	110	240
	mA	70	30	30
	mA	70	30	30



LD SX 5Q R
LDSX5QR

(15)



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

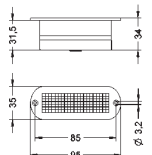
LDSX5QR240A1 ● 36621
LDSX5QR240A2 ● 36622
LDSX5QR240A3 ● 36623
LDSX5QR240A4 ● 36624
LDSX5QR240A5 ● 36625
LDSX5QR240A6 ○ 36626

	V $\overline{\sim}$	24	—	—
	V $\sim$	24	110	240
	mA	70	30	30
	mA	70	30	30



LD SX 5Q I
LDSX5QI

(15)



Kg 0,072

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 $\overline{\sim}$	24	—	—
	V $\sim$	24	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 LEDS INTEGRES / DAUERLICHTLEUCHTE MIT INTEGRIERTEN LED / LUZ FIJA DE LED'S INTEGRADOS

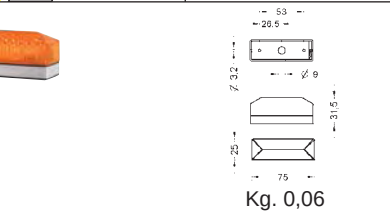
V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	$\overline{\sim}$	$\sim$ 50/60 Hz	IP 54	
°C -30 +50	On ∞		1 2 3 4 5 6	PC



LD 085 LINEARE F B
LD085LNRFB

(10)

LD085LNRFB24DA1 ● 66801	LD085LNRFB48DA1 ● 66811	LD085LNRFB110A1 ● 66821	LD085LNRFB240A1 ● 66831
LD085LNRFB24DA2 ● 66802	LD085LNRFB48DA2 ● 66812	LD085LNRFB110A2 ● 66822	LD085LNRFB240A2 ● 66832
LD085LNRFB24DA3 ● 66803	LD085LNRFB48DA3 ● 66813	LD085LNRFB110A3 ● 66823	LD085LNRFB240A3 ● 66833
LD085LNRFB24DA4 ● 66804	LD085LNRFB48DA4 ● 66814	LD085LNRFB110A4 ● 66824	LD085LNRFB240A4 ● 66834
LD085LNRFB24DA5 ● 66805	LD085LNRFB48DA5 ● 66815	LD085LNRFB110A5 ● 66825	LD085LNRFB240A5 ● 66835
LD085LNRFB24DA6 ● 66806	LD085LNRFB48DA6 ● 66816	LD085LNRFB110A6 ● 66826	LD085LNRFB240A6 ● 66836



Kg. 0,06

V $\overline{\sim}$	24	48	-	-
V $\sim$	24	48	110	240
● ● ●	mA	30	65	17
● ● ○	mA	30	70	17

LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI

FLASHING (CONTINUOUS) LIGHT SIGNAL WITH INTEGRATED LEDS / FEU CLIGNOTANT (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS

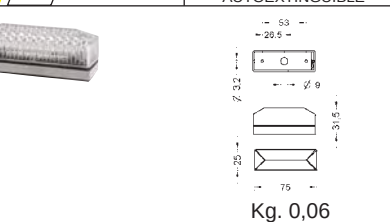
V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	$\overline{\sim}$	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20	
IP 54		°C -30 +50	On ∞	1 2 3 4 5 6



LD 085 LINEARE B
LD085LNRB

(10)

LD085LNRB24DA1 ● 66881	LD085LNRB48DA1 ● 66891	LD085LNRB110A1 ● 66901	LD085LNRB240A1 ● 66911
LD085LNRB24DA2 ● 66882	LD085LNRB48DA2 ● 66892	LD085LNRB110A2 ● 66902	LD085LNRB240A2 ● 66912
LD085LNRB24DA3 ● 66883	LD085LNRB48DA3 ● 66893	LD085LNRB110A3 ● 66903	LD085LNRB240A3 ● 66913
LD085LNRB24DA4 ● 66884	LD085LNRB48DA4 ● 66894	LD085LNRB110A4 ● 66904	LD085LNRB240A4 ● 66914
LD085LNRB24DA5 ● 66885	LD085LNRB48DA5 ● 66895	LD085LNRB110A5 ● 66905	LD085LNRB240A5 ● 66915
LD085LNRB24DA6 ● 66886	LD085LNRB48DA6 ● 66896	LD085LNRB110A6 ● 66906	LD085LNRB240A6 ● 66916



Kg. 0,06

V $\overline{\sim}$	24	48	-	-
V $\sim$	24	48	110	240
● ● ●	mA	65	65	20
● ● ○	mA	65	70	20

LUCE 4 OPZIONI A LED INTEGRATI

LED INTEGRATED 4 FUNCTION SIGNAL / FEU 4 OPTIONS A LEDS INTEGRES / 4 FUNKTIONSLEUCHTE MIT INTEGRIERTEN LED / LUZ 4 OPCIONES DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	$\overline{\sim}$	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20	
IP 55		°C -30 +50	On ∞	1 2 3 4 5 6

DISPOSITIVO MULTIFUNZIONE: SCORRIMENTO, BALLOTTAGGIO, LAMPEGGIANTE, LUCE FISSA

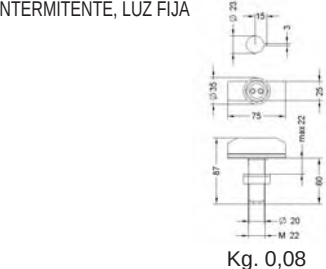
MULTIFUNCTION DEVICE: SEQUENTIAL, ALTERNATING, BLINKING, CONTINUOUS / DISPOSITIF MULTIFONCTION: LUMIERE A DEFILEMENT, EN ALTERNANCE, CLIGNOTANTE, FIXE / MULTIFUNKTIONSGERÄT: LAUF-, WECHSELBLINK-, BLINK-, DAUERLICHT / DISPOSITIVO MULTIFUNCIÓN: BARRIDO, ALTERNADA, INTERMITENTE, LUZ FIJA



LD 085 LINEARE OP4 R
LD085LNR0P4R

(10)

LD085LNR0P4R24DA1 ● 66921	LD085LNR0P4R48DA1 ● 66931	LD085LNR0P4R110A1 ● 66941	LD085LNR0P4R240A1 ● 66951
LD085LNR0P4R24DA2 ● 66922	LD085LNR0P4R48DA2 ● 66932	LD085LNR0P4R110A2 ● 66942	LD085LNR0P4R240A2 ● 66952
LD085LNR0P4R24DA3 ● 66923	LD085LNR0P4R48DA3 ● 66933	LD085LNR0P4R110A3 ● 66943	LD085LNR0P4R240A3 ● 66953
LD085LNR0P4R24DA4 ● 66924	LD085LNR0P4R48DA4 ● 66934	LD085LNR0P4R110A4 ● 66944	LD085LNR0P4R240A4 ● 66954
LD085LNR0P4R24DA5 ● 66925	LD085LNR0P4R48DA5 ● 66935	LD085LNR0P4R110A5 ● 66945	LD085LNR0P4R240A5 ● 66955
LD085LNR0P4R24DA6 ● 66926	LD085LNR0P4R48DA6 ● 66936	LD085LNR0P4R110A6 ● 66946	LD085LNR0P4R240A6 ● 66956



Kg. 0,08

V $\overline{\sim}$	24	48	-	-
V $\sim$	24	48	110	240
● ● ●	mA	65	65	20
● ● ○	mA	65	70	20



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm$ 10%)				==		$\sim$ 50/60 Hz		Flash/min. 0-150 $\pm$ 20	
IP 54		°C -30 +50	On ∞			PC		AUTOEXTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



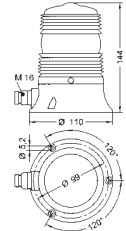
M16



M16



M16



Kg. 0,45

LD 365 MINI N
LD365MNN

(11)

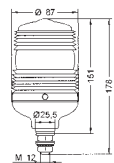
LD365MNN24DA1 ● 65211
LD365MNN24DA2 ● 65212
LD365MNN24DA3 ● 65213
LD365MNN24DA4 ● 65214
LD365MNN24DA5 ● 65215
LD365MNN24DA6 ○ 65216

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 ==		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

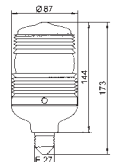
LD365MNP110A1 ● 65271
LD365MNP110A2 ● 65272
LD365MNP110A3 ● 65273
LD365MNP110A4 ● 65274
LD365MNP110A5 ● 65275
LD365MNP110A6 ○ 65276

LD365MNP240A1 ● 65281
LD365MNP240A2 ● 65282
LD365MNP240A3 ● 65283
LD365MNP240A4 ● 65284
LD365MNP240A5 ● 65285
LD365MNP240A6 ○ 65286

V ==		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 LEDS INTEGRES / 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 ==		24	48	—	—
V $\sim$				110	240
● ● ●	mA	180	170	40	40
● ● ○	mA	170	180	40	40

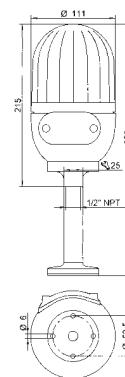
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON / FEU CLIGNOTANT (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)			==		$\sim$ 50/60 Hz		Flash/min. 0-150 $\pm$ 20	
IP 65		°C -30 +50	On ∞			PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



Kg. 0,58

LD 365 BABYLAMP

LD365BABY

①

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 $\overline{\sim}$	24	48	—	—
				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 INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)		==	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20	
IP 54		°C -30 +50	On ∞		1 2 3 4 5 6
				PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



M16



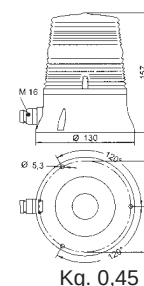
M16

LD 455 MAXI N
LD455MXN

①



M16



Kg. 0,45

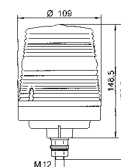
LD455MXN24DA1 ● 65331
LD455MXN24DA2 ● 65332
LD455MXN24DA3 ● 65333
LD455MXN24DA4 ● 65334
LD455MXN24DA5 ● 65335
LD455MXN24DA6 ○ 65336

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



Kg. 0,45

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

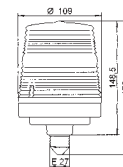
LD455MXP110A1 ● 65391
LD455MXP110A2 ● 65392
LD455MXP110A3 ● 65393
LD455MXP110A4 ● 65394
LD455MXP110A5 ● 65395
LD455MXP110A6 ○ 65396

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 INTEGRES / BLINKLEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE DE LED'S INTEGRADOS



Kg. 0,50

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 INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	==	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20
IP 54 55	°C -30 +50	On ∞	PC



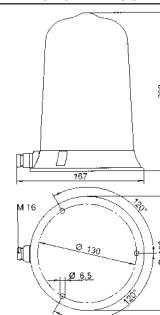
M16



M16



M16



Kg. 0,55

LD 455 LAMP PB ① **IP 54**
LD455LAPB

LD455LAPB24DA1 ● 65451	LD455LAPB48DA1 ● 65461	LD455LAPB110A1 ● 65471	LD455LAPB240A1 ● 65481
LD455LAPB24DA2 ● 65452	LD455LAPB48DA2 ● 65462	LD455LAPB110A2 ● 65472	LD455LAPB240A2 ● 65482
LD455LAPB24DA3 ● 65453	LD455LAPB48DA3 ● 65463	LD455LAPB110A3 ● 65473	LD455LAPB240A3 ● 65483
LD455LAPB24DA4 ● 65454	LD455LAPB48DA4 ● 65464	LD455LAPB110A4 ● 65474	LD455LAPB240A4 ● 65484
LD455LAPB24DA5 ● 65455	LD455LAPB48DA5 ● 65465	LD455LAPB110A5 ● 65475	LD455LAPB240A5 ● 65485
LD455LAPB24DA6 ○ 65456	LD455LAPB48DA6 ○ 65466	LD455LAPB110A6 ○ 65476	LD455LAPB240A6 ○ 65486

	V $\overline{\sim}$	24	48	—	—
	V $\sim$	—	—	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



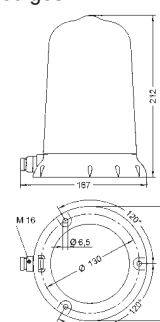
M16



M16



M16



Kg. 0,61

LD 455 LAMP AL B
LD455LAALB ④ **IP 54**

LD455LAALB24DA1 ● 65491	LD455LAALB48DA1 ● 65501	LD455LAALB110A1 ● 65511	LD455LAALB240A1 ● 65521
LD455LAALB24DA2 ● 65492	LD455LAALB48DA2 ● 65502	LD455LAALB110A2 ● 65512	LD455LAALB240A2 ● 65522
LD455LAALB24DA3 ● 65493	LD455LAALB48DA3 ● 65503	LD455LAALB110A3 ● 65513	LD455LAALB240A3 ● 65523
LD455LAALB24DA4 ● 65494	LD455LAALB48DA4 ● 65504	LD455LAALB110A4 ● 65514	LD455LAALB240A4 ● 65524
LD455LAALB24DA5 ● 65495	LD455LAALB48DA5 ● 65505	LD455LAALB110A5 ● 65515	LD455LAALB240A5 ● 65525
LD455LAALB24DA6 ○ 65496	LD455LAALB48DA6 ○ 65506	LD455LAALB110A6 ○ 65516	LD455LAALB240A6 ○ 65526

	V $\overline{\sim}$	24	48	—	—
	V $\sim$	—	—	110	240
● ● ●	mA	180	170	40	40
● ● ○	mA	170	170	40	40



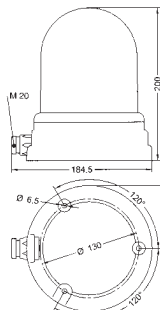
M20



M20



M20



Kg. 0,71

LD 455 PG/AGR
LD455PGAGR ⑤ **IP 55**

LD455PGAGR24DA1 ● 65571	LD455PGAGR48DA1 ● 65581	LD455PGAGR110A1 ● 65591	LD455PGAGR240A1 ● 65601
LD455PGAGR24DA2 ● 65572	LD455PGAGR48DA2 ● 65582	LD455PGAGR110A2 ● 65592	LD455PGAGR240A2 ● 65602
LD455PGAGR24DA3 ● 65573	LD455PGAGR48DA3 ● 65583	LD455PGAGR110A3 ● 65593	LD455PGAGR240A3 ● 65603
LD455PGAGR24DA4 ● 65574	LD455PGAGR48DA4 ● 65584	LD455PGAGR110A4 ● 65594	LD455PGAGR240A4 ● 65604
LD455PGAGR24DA5 ● 65575	LD455PGAGR48DA5 ● 65585	LD455PGAGR110A5 ● 65595	LD455PGAGR240A5 ● 65605
LD455PGAGR24DA6 ○ 65576	LD455PGAGR48DA6 ○ 65586	LD455PGAGR110A6 ○ 65596	LD455PGAGR240A6 ○ 65606

	V $\overline{\sim}$	24	48	—	—
	V $\sim$	—	—	110	240
● ● ●	mA	180	170	40	40
● ● ○	mA	170	170	40	40

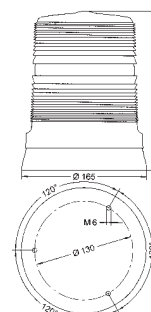
Per ordinare l'opzione nera richiedere i codici – Code numbers for the black version are available on request – Pour commander l'option noire demander les codes – Art.-Nr. für die schwarze Ausführung auf Anfrage lieferbar – Para pedir la opción negra solicitar los códigos



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)		==	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20	
IP 65	°C -30 +50	On ∞		PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE



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 $\overline{\sim}$	24	48	—	—
	V $\sim$		110	240
● ● ●	mA	150	160	40
● ● ○	mA	420	160	40

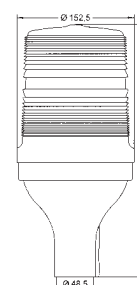
LD 865* STROBO N

LD865STBN ④

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 $\overline{\sim}$	24	48	—	—
	V $\sim$		110	240
● ● ●	mA	190	170	60
● ● ○	mA	450	180	60

*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



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 $\overline{\sim}$	24	48	—	—
	V $\sim$		110	240
● ● ●	mA	150	160	40
● ● ○	mA	420	160	40

LD 865* STROBO AG

LD865STBAG ⑥

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 $\overline{\sim}$	24	48	—	—
	V $\sim$		110	240
● ● ●	mA	190	170	60
● ● ○	mA	450	180	60

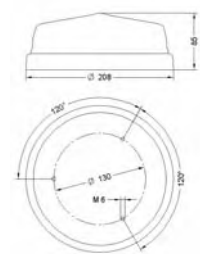
*con illuminazione a LED anche verticale / *also with vertical LED light /
*avec illumination à LED aussi verticale / *auch mit senkrechtes LED-Licht /
*con iluminación de LED'S también vertical



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)			==	$\sim$ 50/60 Hz			Flash/min. 0-150 $\pm$ 20		
IP 54	°C -30 +50	On ∞					PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



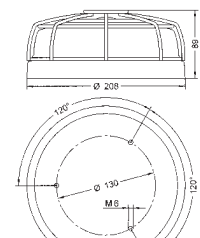
LD 725 FLAT
LD725FLT

Kg. 1,10

④

LD725FLT24DA1 ● 65691	LD725FLT48DA1 ● 65701	LD725FLT110A1 ● 65711	LD725FLT240A1 ● 65721
LD725FLT24DA2 ● 65692	LD725FLT48DA2 ● 65702	LD725FLT110A2 ● 65712	LD725FLT240A2 ● 65722
LD725FLT24DA3 ● 65693	LD725FLT48DA3 ● 65703	LD725FLT110A3 ● 65713	LD725FLT240A3 ● 65723
LD725FLT24DA4 ● 65694	LD725FLT48DA4 ● 65704	LD725FLT110A4 ● 65714	LD725FLT240A4 ● 65724
LD725FLT24DA5 ● 65695	LD725FLT48DA5 ● 65705	LD725FLT110A5 ● 65715	LD725FLT240A5 ● 65725
LD725FLT24DA6 ○ 65696	LD725FLT48DA6 ○ 65706	LD725FLT110A6 ○ 65716	LD725FLT240A6 ○ 65726

	V $\overline{\sim}$	24	48	—	—
	V $\sim$			110	240
	mA	150	160	40	45
	mA	420	160	40	40



LD 725 BDFLAT
LD725BDFLT

Kg. 1,20

④ ⑦

LD725BDFLT24DA1 ● 65751	LD725BDFLT48DA1 ● 65761	LD725BDFLT110A1 ● 65771	LD725BDFLT240A1 ● 65781
LD725BDFLT24DA2 ● 65752	LD725BDFLT48DA2 ● 65762	LD725BDFLT110A2 ● 65772	LD725BDFLT240A2 ● 65782
LD725BDFLT24DA3 ● 65753	LD725BDFLT48DA3 ● 65763	LD725BDFLT110A3 ● 65773	LD725BDFLT240A3 ● 65783
LD725BDFLT24DA4 ● 65754	LD725BDFLT48DA4 ● 65764	LD725BDFLT110A4 ● 65774	LD725BDFLT240A4 ● 65784
LD725BDFLT24DA5 ● 65755	LD725BDFLT48DA5 ● 65765	LD725BDFLT110A5 ● 65775	LD725BDFLT240A5 ● 65785
LD725BDFLT24DA6 ○ 65756	LD725BDFLT48DA6 ○ 65766	LD725BDFLT110A6 ○ 65776	LD725BDFLT240A6 ○ 65786

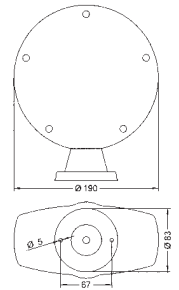
	V $\overline{\sim}$	24	48	—	—
	V $\sim$			110	240
	mA	150	160	40	45
	mA	420	160	40	40



LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACONS / FEUX CLIGNOTANTS (A LUMIERE FIXE) A LEDS INTEGRES / BLINK- (DAUERLICHT-) LEUCHTEN MIT INTEGRIERTEN LED / LUCES INTERMITENTES (FIJAS) DE LED'S INTEGRADOS

V 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	==	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20
IP 54		°C -30 +50	On ∞
			PC
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			



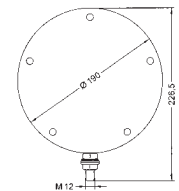
Kg. 0,94

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 LED'S /
INDUSTRIE LED-SIGNALAMPEN / SEMÁFOROS INDUSTRIALES DE LED'S

V 12 $\overline{\sim}$ - 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)	$\equiv$	$\sim$ 50/60 Hz	IP 54 55	
$^{\circ}C$ -30 +50	On ∞		1 2 3 4 5 6	PC
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE				

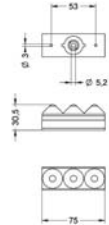
LUCE FISSA / CONTINUOUS LIGHT / LUMIERE FIXE / DAUERLICHT / LUZ FIJA



LD 3RAV B F
LD3RAVBF

(14) (15)

LD3RAVBF32412DA	● ● ●	38280
LD3RAVBF32424DA	● ● ●	38281
LD3RAVBF32448DA	● ● ●	38282
LD3RAVBF324110A	● ● ●	38283
LD3RAVBF324240A	● ● ●	38284



Kg. 0,06

V $\equiv$	12	24	48	—	—
V $\sim$				110	240
● ● ● mA	20	20	20	35	30
● ● ○ mA	20	20	20	35	30

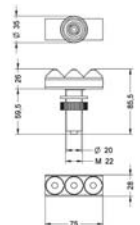


LD 3RAV R F
LD3RAVRF

(14) (15)

IP 55

LD3RAVRF32412DA	● ● ●	38290
LD3RAVRF32424DA	● ● ●	38291
LD3RAVRF32448DA	● ● ●	38292
LD3RAVRF324110A	● ● ●	38293
LD3RAVRF324240A	● ● ●	38294



Kg. 0,08

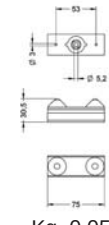
V $\equiv$	12	24	48	—	—
V $\sim$				110	240
● ● ● mA	20	20	20	35	30
● ● ○ mA	20	20	20	35	30



LD 2RV B F
LD2RVBF

(14) (15)

LD2RVBF3412DA	● ● ●	38300
LD2RVBF3424DA	● ● ●	38301
LD2RVBF3448DA	● ● ●	38302
LD2RVBF34110A	● ● ●	38303
LD2RVBF34240A	● ● ●	38304



Kg. 0,05

V $\equiv$	12	24	48	—	—
V $\sim$				110	240
● ● ● mA	20	20	20	35	30
● ● ○ mA	20	20	20	35	30

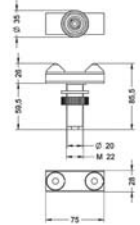


LD 2RV R F
LD2RVRF

(14) (15)

IP 55

LD2RVRF3412DA	● ● ●	38310
LD2RVRF3424DA	● ● ●	38311
LD2RVRF3448DA	● ● ●	38312
LD2RVRF34110A	● ● ●	38313
LD2RVRF34240A	● ● ●	38314



Kg. 0,07

V $\equiv$	12	24	48	—	—
V $\sim$				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

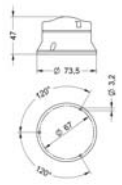
V 12 $\sim$ - 24 $\sim$ - 48 $\sim$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)				==	$\sim$ 50/60 Hz	Flash/min. 0-150 $\pm$ 20	
IP 54		°C -30 +50	On ∞			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

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)



Kg. 0,10

LD8QCBL6F/L12DA1 ● 69091
LD8QCBL6F/L12DA2 ● 69092
LD8QCBL6F/L12DA3 ● 69093
LD8QCBL6F/L12DA4 ● 69094
LD8QCBL6F/L12DA5 ● 69095
LD8QCBL6F/L12DA6 ○ 69096

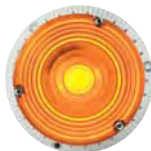
LD8QCBL6F/L24DA1 ● 69101
LD8QCBL6F/L24DA2 ● 69102
LD8QCBL6F/L24DA3 ● 69103
LD8QCBL6F/L24DA4 ● 69104
LD8QCBL6F/L24DA5 ● 69105
LD8QCBL6F/L24DA6 ○ 69106

LD8QCBL6F/L48DA1 ● 69111
LD8QCBL6F/L48DA2 ● 69112
LD8QCBL6F/L48DA3 ● 69113
LD8QCBL6F/L48DA4 ● 69114
LD8QCBL6F/L48DA5 ● 69115
LD8QCBL6F/L48DA6 ○ 69116

LD8QCBL6F/L110A1 ● 69121
LD8QCBL6F/L110A2 ● 69122
LD8QCBL6F/L110A3 ● 69123
LD8QCBL6F/L110A4 ● 69124
LD8QCBL6F/L110A5 ● 69125
LD8QCBL6F/L110A6 ○ 69126

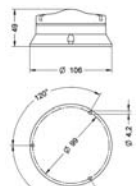
LD8QCBL6F/L240A1 ● 69131
LD8QCBL6F/L240A2 ● 69132
LD8QCBL6F/L240A3 ● 69133
LD8QCBL6F/L240A4 ● 69134
LD8QCBL6F/L240A5 ● 69135
LD8QCBL6F/L240A6 ○ 69136

	V ==	12	24	48	-	-
	V ~				110	240
● ● ●	mA	65	65	65	20	20
● ● ○	mA	65	65	65	20	20



LD 16Q CBL 9 F/L
LD16QCBL9F/L

(11) (13)



Kg. 0,20

LD16QCBL9F/L12DA1 ● 69141
LD16QCBL9F/L12DA2 ● 69142
LD16QCBL9F/L12DA3 ● 69143
LD16QCBL9F/L12DA4 ● 69144
LD16QCBL9F/L12DA5 ● 69145
LD16QCBL9F/L12DA6 ○ 69146

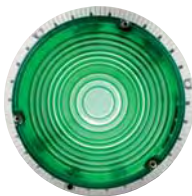
LD16QCBL9F/L24DA1 ● 69151
LD16QCBL9F/L24DA2 ● 69152
LD16QCBL9F/L24DA3 ● 69153
LD16QCBL9F/L24DA4 ● 69154
LD16QCBL9F/L24DA5 ● 69155
LD16QCBL9F/L24DA6 ○ 69156

LD16QCBL9F/L48DA1 ● 69161
LD16QCBL9F/L48DA2 ● 69162
LD16QCBL9F/L48DA3 ● 69163
LD16QCBL9F/L48DA4 ● 69164
LD16QCBL9F/L48DA5 ● 69165
LD16QCBL9F/L48DA6 ○ 69166

LD16QCBL9F/L110A1 ● 69171
LD16QCBL9F/L110A2 ● 69172
LD16QCBL9F/L110A3 ● 69173
LD16QCBL9F/L110A4 ● 69174
LD16QCBL9F/L110A5 ● 69175
LD16QCBL9F/L110A6 ○ 69176

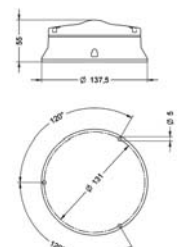
LD16QCBL9F/L240A1 ● 69181
LD16QCBL9F/L240A2 ● 69182
LD16QCBL9F/L240A3 ● 69183
LD16QCBL9F/L240A4 ● 69184
LD16QCBL9F/L240A5 ● 69185
LD16QCBL9F/L240A6 ○ 69186

	V ==	12	24	48	-	-
	V ~				110	240
● ● ●	mA	90	90	100	20	20
● ● ○	mA	90	90	80	20	20



LD 24Q CBL 12 F/L
LD24QCBL12F/L

(11) (13)



Kg. 0,28

LD24QCBL12F/L12DA1 ● 69191
LD24QCBL12F/L12DA2 ● 69192
LD24QCBL12F/L12DA3 ● 69193
LD24QCBL12F/L12DA4 ● 69194
LD24QCBL12F/L12DA5 ● 69195
LD24QCBL12F/L12DA6 ○ 69196

LD24QCBL12F/L24DA1 ● 69371
LD24QCBL12F/L24DA2 ● 69372
LD24QCBL12F/L24DA3 ● 69373
LD24QCBL12F/L24DA4 ● 69374
LD24QCBL12F/L24DA5 ● 69375
LD24QCBL12F/L24DA6 ○ 69376

LD24QCBL12F/L48DA1 ● 69381
LD24QCBL12F/L48DA2 ● 69382
LD24QCBL12F/L48DA3 ● 69383
LD24QCBL12F/L48DA4 ● 69384
LD24QCBL12F/L48DA5 ● 69385
LD24QCBL12F/L48DA6 ○ 69386

LD24QCBL12F/L110A1 ● 69391
LD24QCBL12F/L110A2 ● 69392
LD24QCBL12F/L110A3 ● 69393
LD24QCBL12F/L110A4 ● 69394
LD24QCBL12F/L110A5 ● 69395
LD24QCBL12F/L110A6 ○ 69396

LD24QCBL12F/L240A1 ● 69401
LD24QCBL12F/L240A2 ● 69402
LD24QCBL12F/L240A3 ● 69403
LD24QCBL12F/L240A4 ● 69404
LD24QCBL12F/L240A5 ● 69405
LD24QCBL12F/L240A6 ○ 69406

	V ==	12	24	48	-	-
	V ~				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-SIGNALAMPEN / SEMÁFOROS INDUSTRIALES DE LED'S

V 12 $\sim$ - 24 $\sim$ - 48 $\sim$ - 110 $\sim$ - 240 $\sim$ ($\pm$ 10%)				=		$\sim$ 50/60 Hz	
IP 65		°C -30 +50	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND 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)

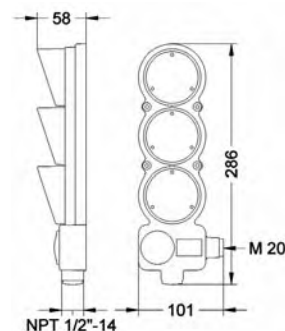


SMFR 6.3 LD 8Q
SMFR 6.3 LD 8Q

(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

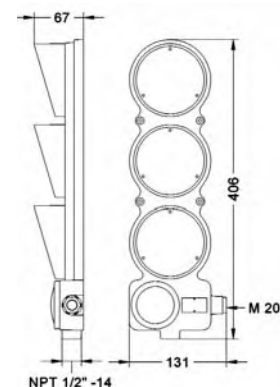


SMFR 9.3 LD 16Q
SMFR 9.3 LD 16Q

(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

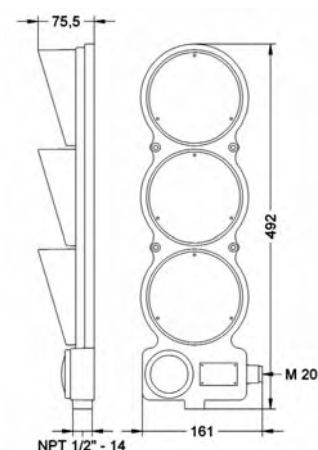


SMFR 12.3 LD 24Q
SMFR 12.3 LD 24Q

(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

$V_{12\sim}^{12\sim} - 12\sim - \frac{24\sim}{24\sim} - 24\sim - \frac{48\sim}{48\sim} - 48\sim - 110\sim - 240\sim (\pm 10\%)$					50/60 Hz	IP $\begin{smallmatrix} 43 \\ 55 \end{smallmatrix}$
$^{\circ}\text{C} \quad -30 \quad +50$		On			PC	AUTO-EXTINGUISHING SELF-EXTINGUISHING AUTO-EXTINGUISCHEND SELBST-EXTINGUISCHEND

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

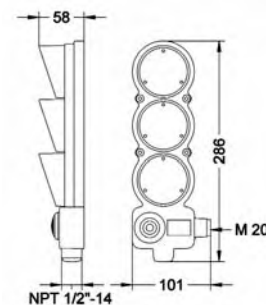


SMFR 6.3 LD 8Q A
SMFR 6.3 LD 8QA

⑫ ⑮

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



Kg. 0,65



IP 43



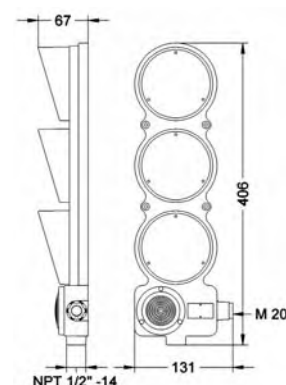
SMFR 9.3 LD 16Q A
SMFR 9.3 LD 16QA

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 _{rms}	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



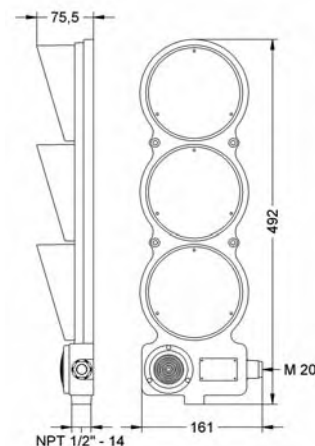
SMFR 12.3 LD 24Q A
SMFR 12.3 LD 240A

⑫ ⑮

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

		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 $\overline{\sim}$ - 24 $\overline{\sim}$ - 48 $\overline{\sim}$ - 110 $\sim$ - 240 $\sim$ ($\pm 10\%$)				==		$\sim$ 50/60 Hz	
IP 65		°C -30 +50	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND 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)

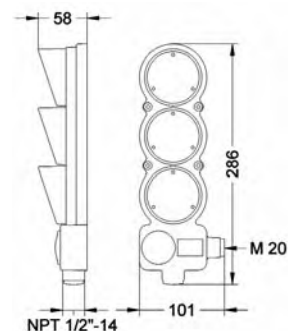


SMFR 6.2 LD 8Q
SMFR 6.2 LD 8Q

(12) (16)

SMFR6.2LD8Q3412DA	●	●	69426
SMFR6.2LD8Q3424DA	●	●	69427
SMFR6.2LD8Q3448DA	●	●	69428
SMFR6.2LD8Q34110A	●	●	69429
SMFR6.2LD8Q34240A	●	●	69430

		V				
		12	24	48	-	-
	V$\sim$				110	240
● ● ●	mA	30	30	30	15	20
● ● ○	mA	30	30	30	15	20



Kg. 0,56

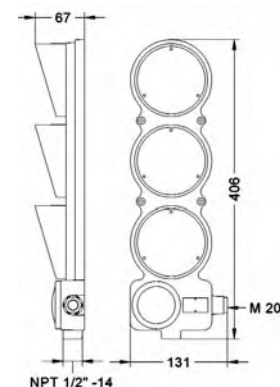


SMFR 9.2 LD 16Q
SMFR 9.2 LD 16Q

(12) (16)

SMFR9.2LD16Q3412DA	●	●	69431
SMFR9.2LD16Q3424DA	●	●	69432
SMFR9.2LD16Q3448DA	●	●	69433
SMFR9.2LD16Q34110A	●	●	69434
SMFR9.2LD16Q34240A	●	●	69435

		V				
		12	24	48	-	-
	V$\sim$				110	240
● ● ●	mA	90	90	100	20	20
● ● ○	mA	90	90	80	20	20



Kg. 0,82

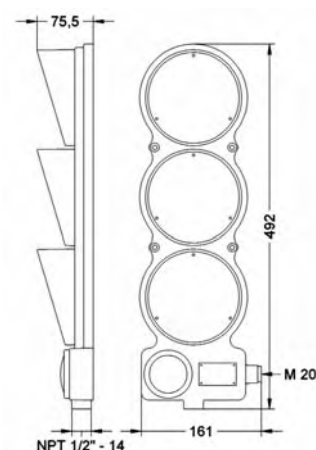


SMFR 12.2 LD 24Q
SMFR 12.2 LD 24Q

(12) (16)

SMFR12.2LD24Q3412DA	●	●	69436
SMFR12.2LD24Q3424DA	●	●	69437
SMFR12.2LD24Q3448DA	●	●	69438
SMFR12.2LD24Q34110A	●	●	69439
SMFR12.2LD24Q34240A	●	●	69440

		V				
		12	24	48	-	-
	V$\sim$				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-SIGNALAMPEN / SEMÁFOROS INDUSTRIALES DE LED'S

V $\overline{\overline{\sim}}$ 12-12-24-24-48-48-110-240 (± 10%) $\overline{\overline{\sim}}$ $\sim$ 50/60 Hz				IP 43 55	
°C -30 +50		On ∞		1 2 3 4 5 6	PC
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE 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

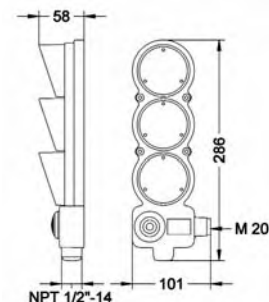


SMFR 6.2 LD 8Q A
SMFR 6.2 LD 8QA

(12) (16)

SMFR6.2LD8QA3412DA	●	●	69456
SMFR6.2LD8QA3424DA	●	●	69457
SMFR6.2LD8QA3448DA	●	●	69458
SMFR6.2LD8QA34110A	●	●	69459
SMFR6.2LD8QA34240A	●	●	69460

V $\overline{\overline{\sim}}$	12	24	48	-	-
V $\sim$				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



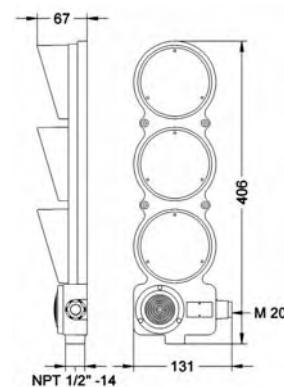
SMFR 9.2 LD 16Q A
SMFR 9.2 LD 16QA

(12) (16)

SMFR9.2LD16QA3412D	●	●	69579
SMFR9.2LD16QA3412A	●	●	69461
SMFR9.2LD16QA3424D	●	●	69580
SMFR9.2LD16QA3424A	●	●	69462
SMFR9.2LD16QA3448A	●	●	69463
SMFR9.2LD16QA34110A	●	●	69464
SMFR9.2LD16QA34240A	●	●	69465

V $\overline{\overline{\sim}}$	12	24
● ● ● mA	140	130
● ● ● mA	140	130
dB(A)1m	90	90

V $\sim$	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



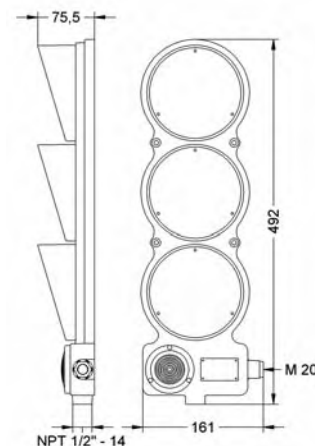
SMFR 12.2 LD 24Q A
SMFR 12.2 LD 24QA

(12) (16)

SMFR12.2LD24QA3412D	●	●	69584
SMFR12.2LD24QA3412A	●	●	69466
SMFR12.2LD24QA3424D	●	●	69585
SMFR12.2LD24QA3424A	●	●	69467
SMFR12.2LD24QA3448A	●	●	69468
SMFR12.2LD24QA34110A	●	●	69469
SMFR12.2LD24QA34240A	●	●	69470

V $\overline{\overline{\sim}}$	12	24
● ● ● mA	155	145
● ● ● mA	155	145
dB(A)1m	90	90

V $\sim$	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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Ligne colonnes lumineuses - Lichtsäulen Linie
Línea columnas luminosas

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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
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LX1 162 C	211
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LX1 163 C	211
LX1 070 C	211
LX1 110 C	211
LX1 081 C	211
LX1 121 C	212
LX1 071 C	212
LX1 111 C	212

LX1 B - LUCE A BALLOTTAGGIO

LX1 B - ALTERNATING LIGHT
LX1 B - LUMIERE EN ALTERNANCE
LX1 B - WECHSELBLINKLICHT
LX1 B - LUZ ALTERNADA

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LX1 150 B	212
LX1 030 B	212
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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
LX2 071 C	215
LX2 111 C	215
LX2 082 C	215
LX2 122 C	215
LX2 072 C	215
LX2 112 C	215
LX2 083 C	216
LX2 073 C	216

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
LX3 160 C	217
LX3 031 C	218
LX3 161 C	218
LX3 032 C	218
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
LX3 122 C	220
LX3 072 C	220
LX3 112 C	220
LX3 083 C	220
LX3 073 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

LX3 060 B	221
LX3 150 B	221
LX3 030 B	221
LX3 160 B	221
LX3 070 B	221
LX3 110 B	221
LX3 081 B	221
LX3 121 B	221

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

LX4 010 C	222
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
LX4 B - WECHSELBLINKLICHT
LX4 B - LUZ ALTERNADA

LX4 060 B	225
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
LX1 030 F	227
LX1 160 F	227
LX1 031 F	227
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

LX2 010 F	230
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

LX3 010 F	234
LX3 040 F	234
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
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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

LX4 010 F	239
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
LX4 111 F	240
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

LX4 R - LUCE ROTANTE

LX4 R - ROTATING BEACON

LX4 R - FEU TOURNANT

LX4 R - DREHSPIEGELLEUCHTE

LX4 R - LUZ ROTATIVA

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LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE + LUCE ROTANTE

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 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

LX2 X - XENON FLASHING BEACON
LX2 X - FEU A ECLATS
LX2 X - BLITZLEUCHTE
LX2 X - LUZ DE DESTELLOS

LX2 020 X	251
LX2 050 X	251

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

LX4 020 X	252
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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"	di diametro 48 mm
- "BABY TWS"	di diametro 36 mm
- "MICRO TWS"	di diametro 25 mm
- "NANO TWS"	di 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 balottaggio 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 côté de la série TWS diamètre 70 mm, une nouvelle génération de 4 colonnes à LEDS INTEGREES :

- "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 INTEGREES 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 (Ø 45 - Ø 65 - Ø 90 - Ø 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 widerstandfähige 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: Einzelelemente, angereihte Elemente, Leuchttürme, aufeinandergesetzte Elemente und verschiedene Installationsmöglichkeiten.

Die Leuchtelemente sind in 6 Farben lieferbar, sie sind als Dauerlicht, Blinklicht, Blitzlicht, Wechselblinklicht oder Drehspiegelleuchten 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 Lampenhalterplatte und zusätzlicher weiterer Kalotten beliebig vergrößern.

Der Anspruch sowohl der LUXOR Linie als auch der TWS Linie ist "höchste Sicherheit" durch vollständigen Berührungsschutz (Ausnahme: Drehspiegelleuchten). 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

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
ACCESSOIRES TWS ET MINI TWS
ZUBEHÖR TWS UND MINI TWS
ACCESORIOS TWS Y MINI TWS



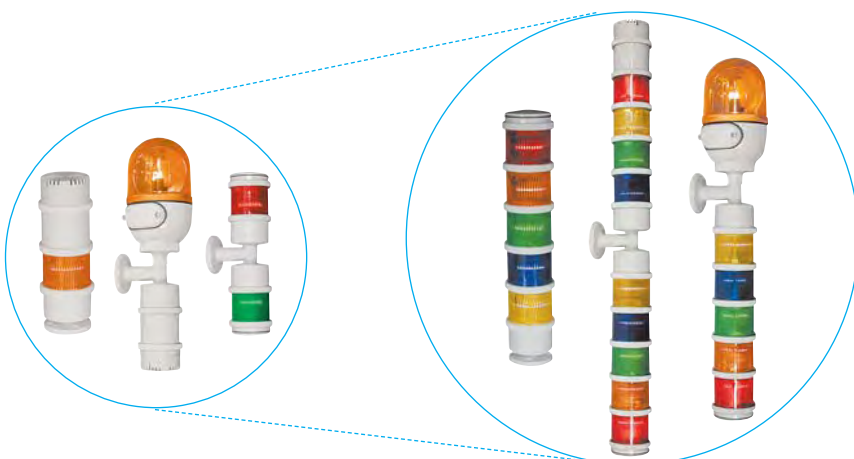
Molteplici possibilità di montaggio offerte dai vari elementi e accessori dotati di filettatura 1/2" NPT.

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.



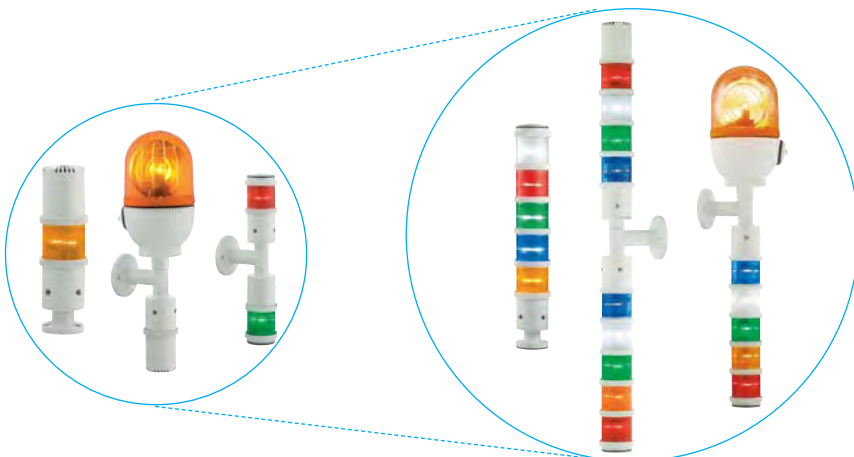
Su ogni modulo di base (TWS B.C. / MINI TWS B.C.) si possono montare fino a 5 elementi di segnalazione. Con l'utilizzo della base a parete con doppia filettatura 1/2" NPT (TWS BP 2) è possibile installare fino a 10 moduli o contrapporre la TWS e la MINI TWS ad una luce della gamma BABYROT, BABYLAMP, 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
LICHTELEMENTE 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 LICHTELEMENTE IN
4 VERSCHIEDENEN LICHTQUELLEN
6 COLORES DISPONIBLES EN
4 DISTINTAS FUENTES LUMINOSAS



6 COLORI DISPONIBILI IN UN'UNICA FONTE LUMINOSA

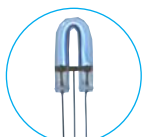
6 COLOURS AVAILABLE IN
A UNIQUE LIGHT SOURCE
6 COULEURS DISPONIBLES EN
UNE SEULE SOURCE LUMINEUSE
6 FARBEN DER LICHTELEMENTE IN
EINER EINZIGEN LICHTQUELLE
6 COLORES DISPONIBLES CON
UNA ÚNICA FUENTE LUMINOSA



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
LED'S INTEGRES
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.

Élément 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/luce 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 GEFÄHRLOS 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 COMPONIBILE 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.

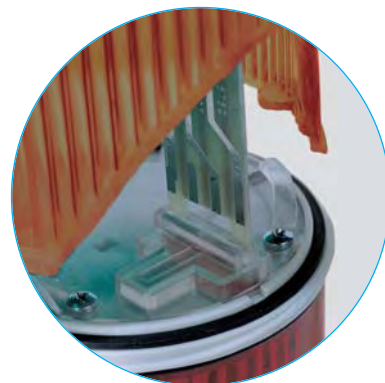
I moduli sono dotati di un sistema antiscivolo con dentini di aggancio tra ghiera e cupola su ogni modulo.

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-dévisage 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 COMPONIBLE 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 antidesatornillamiento.





TWS



MINI TWS

IP 65



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 aufeinander gesetzt.

El acoplamiento de los elementos TWS y MINI TWS resulta ser muy simple: la conexión eléctrica entre los módulos se lleva a cabo automática y contemporaneamente 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 LEDS INTEGRES 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.

BABY TWS

diametro 36 mm
14 LED (SMD type)
saldati su circuito stampato verticale
36 mm diameter
14 LED (SMD type)
welded on a vertical printed circuit
diamètre 36 mm
14 LED'S (type SMD)
soudées sur un circuit imprimé vertical
Durchmesser 36 mm
14 LED (SMD type)
auf einer senkrechten Platine gelötet
diámetro 36 mm
14 LED'S (tipo SMD)
soldados sobre circuito impreso vertical



MICRO TWS

diametro 25 mm
10 LED (SMD type)
saldati su circuito stampato verticale
25 mm diameter
10 LED (SMD type)
welded on a vertical printed circuit
diamètre 25 mm
10 LED'S (type SMD)
soudées sur un circuit imprimé vertical
Durchmesser 25 mm
10 LED (SMD type)
auf einer senkrechten Platine gelötet
diámetro 25 mm
10 LED'S (tipo SMD)
soldados sobre circuito impreso vertical



NANO TWS

diametro 18 mm
6 LED (SMD type)
saldati su circuito stampato verticale
18 mm diameter
6 LED (SMD type)
welded on a vertical printed circuit
diamètre 18 mm
6 LED'S (type SMD)
soudées sur un circuit imprimé vertical
Durchmesser 18 mm
6 LED (SMD type)
auf einer senkrechten Platine gelötet
diámetro 18 mm
6 LED'S (tipo SMD)
soldados sobre circuito impreso vertical



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



TOWER SECTOR: BABY TWS - MICRO TWS - NANO TWS

BASI DI CABLAGGIO

WIRING BASES / BASES DE CABLAGE

VERDRAHTUNGS SOCKEL / 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. Angesichts 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 conexionado 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 conexionado eléctrico en una regleta de bornes interna, por lo que las bases de conexionado 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 conexionado 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 conexionado 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 conexionado 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 MARCHÉ 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

V 24 $\sim$ -110 $\sim$ -230/240 $\sim$ ($\pm 10\%$) **Ba 15d LD** 103 105 Ellisse **---** **~** 50/60 Hz **J 2** **2 F**

Flash/min. 24V: 65 $\pm$ 10 110V-230/240V: 90 $\pm$ 20 **IP** 65 **PC** **°C** -10 +45 **On** ∞

LAMPI O GIRI PER MINUTO Flash/min o r.p.m. PROPAGAZIONE LUCE COLORI DELLA CUPOLA CODICE COLORE: 1 = BLU, 2 = ARANCIO, 3 = ROSSO, 4 = VERDE, 5 = GIALLO, 6 = NEUTRO, 7 = AZZURRO, 8 = VERDE EXL. GRADO IP: CORPI SOLIDI E ACQUA MATERIALE ARTICOLO PC: POLICARBONATO CLASSE II DI ISOLAMENTO TEMPERATURA DI FUNZIONAMENTO SERVIZIO CONTINUO

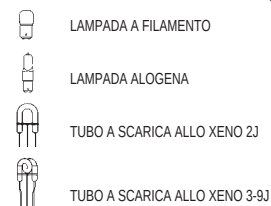
1F = MONOLAMPO 2F = BILAMPO 1/4F = 1/2/3/4 LAMPI

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

CODIFICA: es. **TWSLMT1248D1** →

D = corrente continua **L MT** = Luce lampeggiante multitensione fornita senza lampada 12÷48 V DC 24÷240 V AC
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 **N** = Nero

TIPO DI SORGENTE LUMINOSA:



	VOLTAGGIO CORRENTE CONTINUA			VOLTAGGIO CORRENTE ALTERNATA		
	V	mA	Cd (p)	V	mA	Cd (p)
BA 15d 5W	12 ÷ 24 ÷ 48	430	4	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240	210	3
LR BA 15d 5W	—	—	—	—	—	—

ASSORBIMENTO DI CORRENTE
A=Ampere
1mA=0,001A

CANDELE DI PICCO

MODULI ACUSTICI

V 12/24 $\sim$ -48 $\sim$ -110 $\sim$ -230/240 $\sim$ ($\pm 10\%$) **---** **~** 50/60 Hz **On** ∞ **IP** 54 **PC** **°C** -30 +60

GRADO IP: CORPI SOLIDI E ACQUA CLASSE II DI ISOLAMENTO SUONO LINEARE, SUONO MODULATO, SUONO BITONALE, SUONO PLURITONALE, SUONO INTERMITTENTE. MATERIALE ARTICOLO PC: POLICARBONATO TEMPERATURA DI FUNZIONAMENTO SERVIZIO CONTINUO

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

CODIFICA: es. **TWSAM230240A**

D = corrente continua
A = corrente alternata
DA = corrente continua e alternata

VOLTAGGIO CORRENTE ALTERNATA

ASSORBIMENTO DI CORRENTE
A=Ampere
1mA=0,001A

	VOLTAGGIO CORRENTE CONTINUA			VOLTAGGIO CORRENTE ALTERNATA		
	V	mA	Hz	V	mA	Hz
	12 ÷ 24 ÷ 48	2,7	2500	110 ÷ 230 ÷ 240	6	(± 100 Hz)
	—	—	—	—	—	—

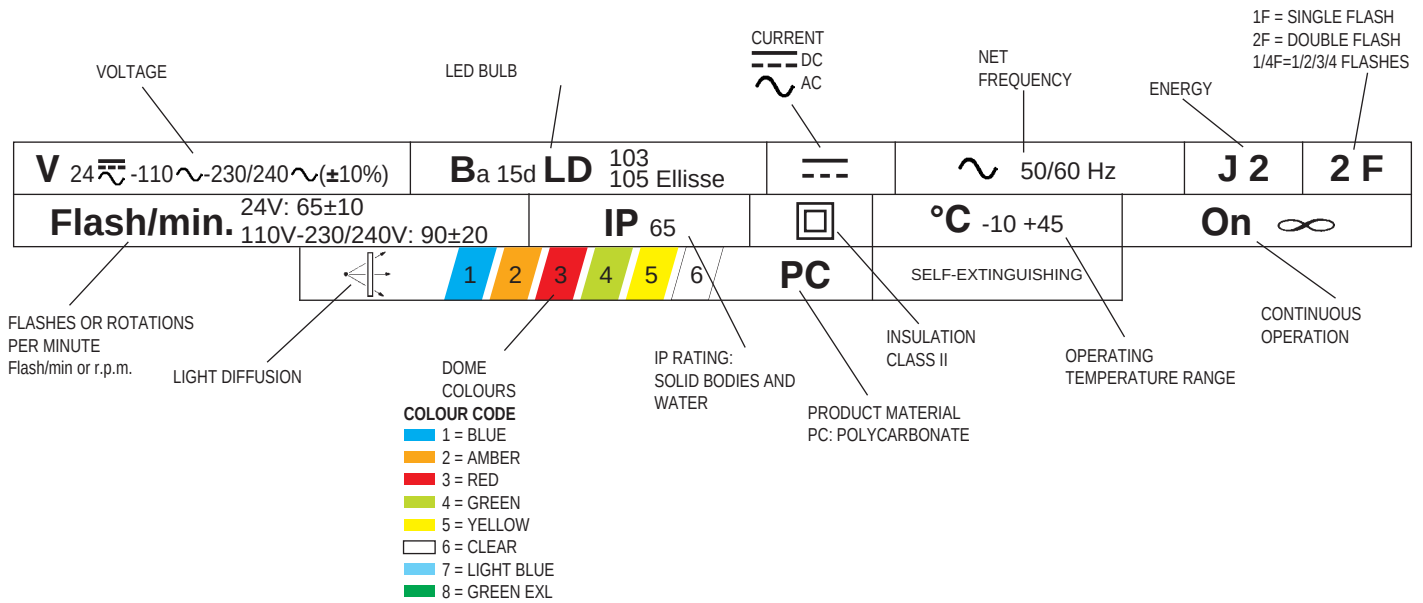
FREQUENZA DI SUONO IN HERTZ



LEGEND

TOWER SECTOR: MAIN TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE PRODUCTS

LUMINOUS MODULES



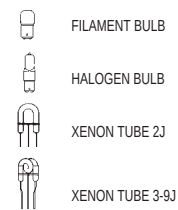
TECHNICAL INFORMATION REGARDING THE MOST IMPORTANT FUNCTIONAL AND ELECTRICAL CHARACTERISTICS

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
N = black

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

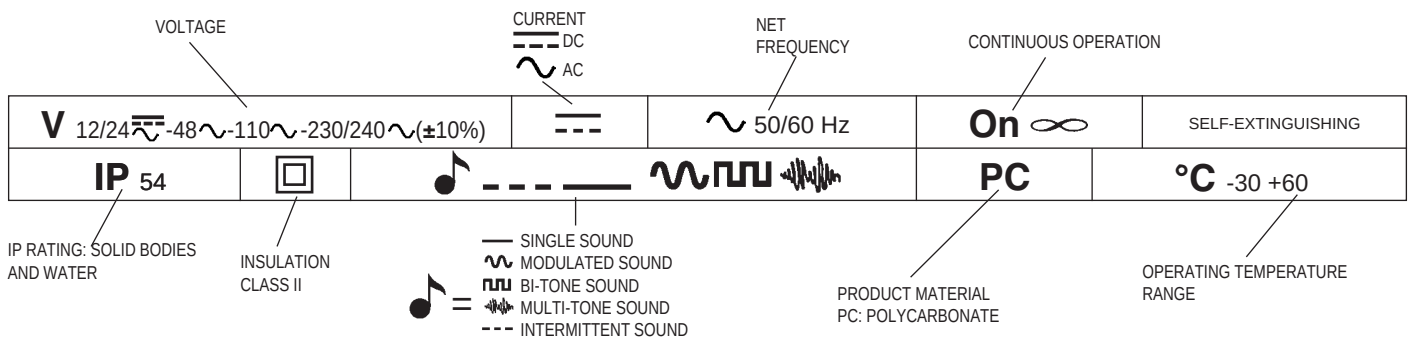
ALTERNATING CURRENT VOLTAGE

BA 15d 5W LR BA 15d 5W	V 	12 ÷ 24 ÷ 48		-	-	-	
	V 	-	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240				
	mA	430	210	103	37	26	27
	Cd (p)	4	3	3	2,5	2,5	2,5

CURRENT CONSUMPTION
A=Ampere
1mA=0,001A

PEAK CANDELAS

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

DIRECT CURRENT VOLTAGE

V 	12 ÷ 24 ÷ 48			-	-	-
V 				110 ÷ 230 ÷ 240		
mA	2,7	6	13	4	8	8,5
Hz	2500			(± 100 Hz)		

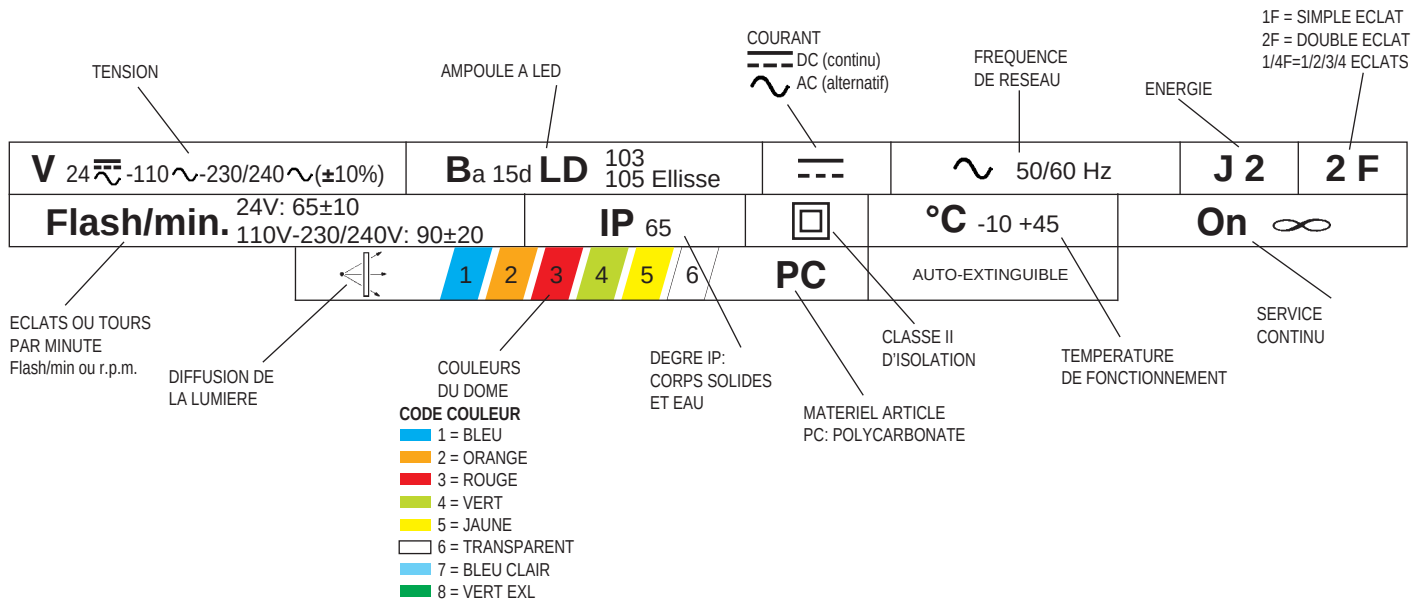
CURRENT CONSUMPTION
A=Ampere
1mA=0,001A

SOUND FREQUENCY IN HERTZ

LEGENDE

TOWER SECTOR: PRINCIPALES CARACTERISTIQUES TECHNIQUES ET FONCTIONNELLES DES PRODUITS

ELEMENTS LUMINEUX



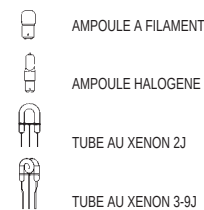
INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

CODIFICATION: ex. **TWSLMT1248D1** →

D = courant continu
A = courant alternatif
DA = courant continu et alternatif
1F = simple éclat
2F = double éclat
1/4F = 1/2/3/4 éclats
L = lumière clignotante
F = lumière fixe
X = lumière à éclats
LD = LED intégrées

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
N = noir

TYPE DE SOURCE LUMINEUSE



TENSION COURANT CONTINU

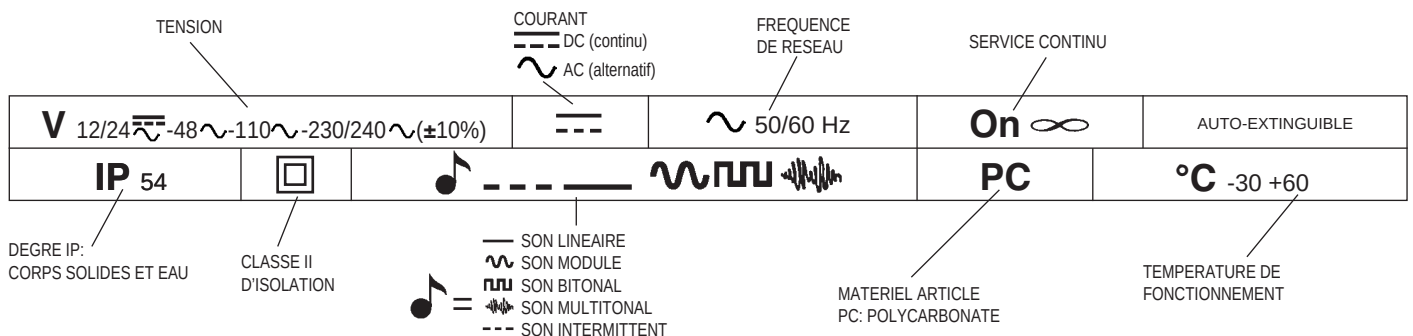
TENSION COURANT ALTERNATIF

V $\sim$	12 ÷ 24 ÷ 48	—	—	—
V $\sim$	—	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240	—	—
mA	430	210	103	37
Cd (p)	4	3	3	2,5

CONSOMMATION DE COURANT
A=Ampere
1mA=0,001A

CANDELAS DE PIC

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

TENSION COURANT CONTINU

V $\sim$	12 ÷ 24 ÷ 48	—	—	—
V $\sim$	—	110 ÷ 230 ÷ 240	—	—
mA	2,7	6	13	4
Hz	2500	(± 100 Hz)	—	—

CONSOMMATION DE COURANT
A=Ampere
1mA=0,001A

FREQUENCE DU SON EN HERTZ

LEYENDA

TOWER SECTOR: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

MÓDULOS LUMINOSOS

VOLTAJE: **V** 24 $\sim$ -110 $\sim$ -230/240 $\sim$ ($\pm 10\%$)

LÁMPARA DE LED: **Ba 15d LD** 103 105 Ellisse

CORRIENTE: $\sim$ DC (continua) $\sim$ AC (alterna)

FRECUENCIA DE RED: $\sim$ 50/60 Hz

ENERGIA: **J 2** **2 F**

Flash/min. 24V: 65 $\pm$ 10
110V-230/240V: 90 $\pm$ 20

IP 65

°C -10 +45

On ∞

DESTELLOS O VUELTAS POR MINUTO Flash/min o r.p.m.

PROPAGACIÓN DE LA LUZ

COLORES DE LA CÚPULA

CÓDIGO COLOR

- 1 = AZUL
- 2 = NARANJA
- 3 = ROJO
- 4 = VERDE
- 5 = AMARILLO
- 6 = NEUTRO
- 7 = AZUL CLARO
- 8 = VERDE EXL

GRADO DE IP: CUERPOS SÓLIDOS Y AGUA

MATERIAL DEL PRODUCTO PC: POLICARBONATO

CLASE II DE AISLAMIENTO

TEMPERATURA OPERATIVA

SERVICIO CONTINUO

1F = DESTELLO SIMPLE
2F = DESTELLO DOBLE
1/4F = 1/2/3/4 DESTELLOS

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 MT = Luz intermitente multivoltaje suministrada sin lámpara 12÷48 V DC 24÷240 V AC
F MT = Luz fija multivoltaje suministrada sin lámpara 12÷240 V DC/AC

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
LÁMPARA INCANDESCENTE	V $\sim$ 12 ÷ 24 ÷ 48	— — —
LÁMPARA HALÓGENA	V $\sim$ — 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240	— — —
TUBO DE DESCARGA DE XENÓN 2J	mA 430 210 103 37 26 27	— — —
TUBO DE DESCARGA DE XENÓN 3-9J	Cd (p) 4 3 3 2,5 2,5 2,5	— — —

BA 15d 5W
LR BA 15d 5W

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

CANDELAS/PICO

MÓDULOS ACÚSTICOS

VOLTAJE: **V** 12/24 $\sim$ -48 $\sim$ -110 $\sim$ -230/240 $\sim$ ($\pm 10\%$)

CORRIENTE: $\sim$ DC (continua) $\sim$ AC (alterna)

FRECUENCIA DE RED: $\sim$ 50/60 Hz

SERVICIO CONTINUO: **On** ∞

AUTOEXTINGUIBLE

IP 54

CLASE II DE AISLAMIENTO

SONIDO LINEAL
SONIDO MODULADO
SONIDO BITONAL
SONIDO PLURITONAL
SONIDO INTERMITENTE

MATERIAL DEL PRODUCTO PC: POLICARBONATO

TEMPERATURA OPERATIVA: °C -30 +60

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 CONTINUA	VOLTAJE CORRIENTE ALTERNA
V $\sim$ 12 ÷ 24 ÷ 48	— — —
V $\sim$ — 110 ÷ 230 ÷ 240	— — —
mA 2,7 6 13 4 8 8,5	— — —
Hz 2500 (± 100 Hz)	— — —

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

FRECUENCIA SONIDO EN HERTZIO

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-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLOSCHEND
AUTOEXTINGUIBLE



TWS B.C.

**BASE DI CABLAGGIO
+ CAPPELLO**

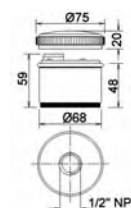
WIRING BASE
+ COVER

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

$V_{12 \div 240} \sim (\pm 10\%)$		$Ba_{15d} LD_{103}^{4.5.4 WO}$		$\sim 50/60 \text{ Hz}$		IP 65	
	$^{\circ}C -30 +60$	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

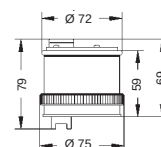
DAUERLICHTELEMENT

 MÓDULO LUMINOSO
 LUZ FIJA

 BA 15d 5W LR BA 15d 5W	$V \sim$	12 ÷ 24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	430	210	100	35	21	22
	Cd (p)	4	3	3	2,5	2,5	2,5

■	TWSFMT12240DA1	27701
■	TWSFMT12240DA2	27702
■	TWSFMT12240DA3	27703
■	TWSFMT12240DA4	27704
■	TWSFMT12240DA5	27705
■	TWSFMT12240DA6	27706

■	NTWSFMT12240DA1	27631
■	NTWSFMT12240DA2	27632
■	NTWSFMT12240DA3	27633
■	NTWSFMT12240DA4	27634
■	NTWSFMT12240DA5	27635
■	NTWSFMT12240DA6	27636



Kg 0,09

$V_{12 \div 48} \sim -24 \div 240 \sim (\pm 10\%)$		$Ba_{15d} LD_{103}^{4.5.4 WO}$		$\sim 50/60 \text{ Hz}$		Flash/min. 110±20	
IP 65		$^{\circ}C -30 +60$	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 L MT
MODULO LUMINOSO
LUCE LAMPEGGIANTE

 FLASHING
 LUMINOUS MODULE
 ELEMENT LUMINEUX
 CLIGNOTANT

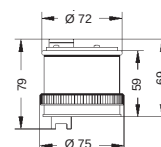
BLINKLICHTELEMENT

 MÓDULO LUMINOSO
 LUZ INTERMITENTE

 BA 15d 5W LR BA 15d 5W	$V \sim$	12 ÷ 24 ÷ 48					
	$V \sim$	24 ÷ 48 ÷ 110 ÷ 230 ÷ 240					
	mA	430	210	103	37	26	27
	Cd (p)	4	3	3	2,5	2,5	2,5

■	TWSLMT1248D1	27711	TWSLMT24240A1	27721
■	TWSLMT1248D2	27712	TWSLMT24240A2	27722
■	TWSLMT1248D3	27713	TWSLMT24240A3	27723
■	TWSLMT1248D4	27714	TWSLMT24240A4	27724
■	TWSLMT1248D5	27715	TWSLMT24240A5	27725
■	TWSLMT1248D6	27716	TWSLMT24240A6	27726

■	NTWSLMT1248D1	27641	NTWSLMT24240A1	27651
■	NTWSLMT1248D2	27642	NTWSLMT24240A2	27652
■	NTWSLMT1248D3	27643	NTWSLMT24240A3	27653
■	NTWSLMT1248D4	27644	NTWSLMT24240A4	27654
■	NTWSLMT1248D5	27645	NTWSLMT24240A5	27655
■	NTWSLMT1248D6	27646	NTWSLMT24240A6	27656



Kg. 0,10

$V_{24} \sim -110 \sim 230/240 \sim (\pm 10\%)$			$\sim 50/60 \text{ Hz}$		J2 1F	Flash/min. 24V: 65±10 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

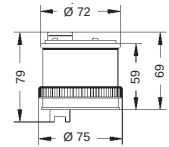
MODULO LUMINOSO A FLASH



XENON
FLASHING MODULE
ELEMENT LUMINEUX
AU XENON
BLITZLICHTELEMENT
MÓDULO LUMINOSO
LUZ DESTELLANTE

	$V \sim$	24	—	—	—
	$V \sim$	110	230	240	
	mA	280	48	48	55
	Cd (p)	200	80	200	240

XENON 2J
LRX 2J



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

$V_{12 \div 48} \sim -110 \div 240 \sim (\pm 10\%)$			$\sim 50/60 \text{ Hz}$		On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 54			PC	°C -30 +60

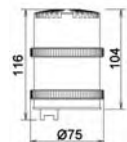
TWS A

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 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

	SUONO INTERMITTENTE LENTO POTENZA RIDOTTA SLOW INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT LENT PUISSANCE REDUITE / LANGSAM AUSSETZENDE TONFOLGE REDUZIERTER LEISTUNG / SONIDO INTERMITTENTE LENTO POTENCIA REDUCIDA	T ON 310 mS T OFF 260 mS	$V \sim$	12	24	48	—	—	—
			$V \sim$	12	24	48	110	230	240
			dB(A)1m	72	77	79	76	78	78
	SUONO INTERMITTENTE LENTO MASSIMA POTENZA SLOW INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT LENT PUISSANCE MAXIMALE / LANGSAM AUSSETZENDE TONFOLGE HÖCHSTE LEISTUNG / SONIDO INTERMITTENTE LENTO POTENCIA MÁXIMA	T ON 310 mS T OFF 260 mS	$V \sim$	12	24	48	—	—	—
			$V \sim$	12	24	48	110	230	240
			dB(A)1m	77	84	86	81	85	85
	SUONO INTERMITTENTE VELOCE POTENZA RIDOTTA FAST INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT RAPIDE PUISSANCE REDUITE / SCHNELL AUSSETZENDE TONFOLGE REDUZIERTER LEISTUNG / SONIDO INTERMITTENTE RÁPIDO POTENCIA REDUCIDA	T ON 70 mS T OFF 50 mS	$V \sim$	12	24	48	—	—	—
			$V \sim$	12	24	48	110	230	240
			dB(A)1m	74	79	81	76	78	79
	SUONO INTERMITTENTE VELOCE MASSIMA POTENZA FAST INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT RAPIDE PUISSANCE MAXIMALE / SCHNELL AUSSETZENDE TONFOLGE HÖCHSTE LEISTUNG / SONIDO INTERMITTENTE RÁPIDO POTENCIA MÁXIMA	T ON 70 mS T OFF 50 mS	$V \sim$	12	24	48	—	—	—
			$V \sim$	12	24	48	110	230	240
			dB(A)1m	79	85	89	81	86	87

V 12÷48 $\overline{\sim}$ -110÷240 $\sim$ ($\pm 10\%$)			==	$\sim$ 50/60 Hz	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 65			PC	°C -30 +60

TWS A IP65
**MODULO ACUSTICO
PIEZO ELETTRICO
6 SUONI SELEZIONABILI
DA DIP SWITCH**

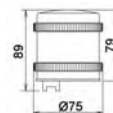

PIEZOELECTRIC ACOUSTIC MODULE
6 SOUNDS CAN BE SELECTED BY MEANS
OF THE DIP SWITCH

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 $\overline{\sim}$	12 ÷ 24 ÷ 48			-	-	-
V $\sim$				110 ÷ 230 ÷ 240		
mA	2,7	6	13	4	8	8,5
Hz	2500			(± 100 Hz)		



Kg 0,10

	TWSAMT1248DAIP65	27728		NTWSAMT1248DAIP65	27626
	TWSAMT110240AIP65	27729		NTWSAMT110240AIP65	27629

DIP SWITCH

 on 1 2 3	SUONO INTERMITTENTE LENTO POTENZA RIDOTTA SLOW INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT LENT PUISSANCE REDUITE / LANGSAM AUSSETZENDE TONFOLGE REDUZIERTER LEISTUNG / SONIDO INTERMITTENTE LENTO POTENCIA REDUCIDA	T ON 310 mS T OFF 260 mS	V $\overline{\sim}$	12	24	48	-	-	-
			V $\sim$	12	24	48	110	230	240
			dB(A)1m	64	69	71	68	70	70
 on 1 2 3	SUONO INTERMITTENTE LENTO MASSIMA POTENZA SLOW INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT LENT PUISSANCE MAXIMALE / LANGSAM AUSSETZENDE TONFOLGE HÖCHSTE LEISTUNG / SONIDO INTERMITTENTE LENTO POTENCIA MÁXIMA	T ON 310 mS T OFF 260 mS	V $\overline{\sim}$	12	24	48	-	-	-
			V $\sim$	12	24	48	110	230	240
			dB(A)1m	69	76	78	73	77	77
 on 1 2 3	SUONO INTERMITTENTE VELOCE POTENZA RIDOTTA FAST INTERMITTENT SOUND REDUCED OUTPUT / SON INTERMITTENT RAPIDE PUISSANCE REDUITE / SCHNELL AUSSETZENDE TONFOLGE REDUZIERTER LEISTUNG / SONIDO INTERMITTENTE RÁPIDO POTENCIA REDUCIDA	T ON 70 mS T OFF 50 mS	V $\overline{\sim}$	12	24	48	-	-	-
			V $\sim$	12	24	48	110	230	240
			dB(A)1m	66	71	73	68	70	71

 on 1 2 3	SUONO INTERMITTENTE VELOCE MASSIMA POTENZA FAST INTERMITTENT SOUND MAXIMUM OUTPUT / SON INTERMITTENT RAPIDE PUISSANCE MAXIMALE / SCHNELL AUSSETZENDE TONFOLGE HÖCHSTE LEISTUNG / SONIDO INTERMITTENTE RÁPIDO POTENCIA MÁXIMA	T ON 70 mS T OFF 50 mS	V $\overline{\sim}$	12	24	48	-	-	-
			V $\sim$	12	24	48	110	230	240
			dB(A)1m	70	77	79	73	77	77
 on 1 2 3	SUONO FISSO POTENZA RIDOTTA CONTINUOUS SOUND REDUCED OUTPUT / SON CONTINU PUISSANCE REDUITE / DAUER-TONFOLGE REDUZIERTER LEISTUNG / SONIDO FIJO POTENCIA REDUCIDA	-	V $\overline{\sim}$	12	24	48	-	-	-
			V $\sim$	12	24	48	110	230	240
			dB(A)1m	67	73	75	67	72	73
 on 1 2 3	SUONO FISSO MASSIMA POTENZA CONTINUOUS SOUND MAXIMUM OUTPUT / SON CONTINU PUISSANCE MAXIMALE / DAUER-TONFOLGE HÖCHSTE LEISTUNG / SONIDO FIJO POTENCIA MÁXIMA	-	V $\overline{\sim}$	12	24	48	-	-	-
			V $\sim$	12	24	48	110	230	240
			dB(A)1m	71	77	81	73	78	79

V12/24 $\overline{\sim}$ -48 $\sim$ -110 $\sim$ -230/240 $\sim$ ($\pm 10\%$)			==		$\sim$ 50/60 Hz		On ∞	
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	IP 54					PC	$^{\circ}\text{C}$ -30 +60	

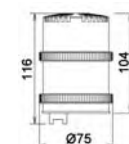
**TWS AM
MODULO ACUSTICO
MAGNETODINAMICO
32 SUONI SELEZIONABILI
DA DIP SWITCH**


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
MAGNETODYNAMISCHES ELEMENT
32 VERSCHIEDENE TONFOLGEN
AUSWÄHLBAR DURCH DIP-SWITCH
MÓDULO ACÚSTICO MAGNETODINÁMICO
32 TONOS SELECCIONABLES
POR DIP SWITCH

V $\overline{\sim}$	12/24	-	-	-	-
V $\sim$		48	110	230/240	
mA	vedi tabella pag. 186				
Hz	See table - Voir tableau - siehe Tabelle - Ver tabla				



Kg 0,24

	TWSAM1224DA	27790		NTWSAM1224DA	27794
	TWSAM48A	27791		NTWSAM48A	27795
	TWSAM110A	27792		NTWSAM110A	27796
	TWSAM230240A	27793		NTWSAM230240A	27797



	Descrizione suono Sound Description / Type de son / Tonfolge / Descripción sonido	dB (A) 12Vdc	Ass. / Consumption Consummation / 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 / DESCENDING MULTI-TONE / MULTITONAL DESCENDANT / ABSTEI- GEND 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 RÁPIDO	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 RÁPIDO	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 INTERRUCCIÓN	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 INTERRUCCIÓN	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 INTERRUCCIÓN	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

$V_{24} \sim - 48 \sim - 110 \sim - 240 \sim (\pm 10\%)$	$\equiv$	$\sim 50/60 \text{ Hz}$	IP 65	
$^{\circ}\text{C} -30 +50$	On ∞		1 2 3 4 5 6	PC



Kg 0,11

LD 125 TWS F

MODULO LUMINOSO A LED INTEGRATI LUCE FISSA

LED INTEGRATED CONTINUOUS LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGRES LUMIERE FIXE
DAUERLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA

$V_{\sim}$	24	48	-	-
$V_{\sim}$	110	240	-	-
$\bullet \bullet \bullet$ mA	90	65	20	20
$\bullet \bullet \circ$ 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

$V_{24} \sim - 48 \sim - 110 \sim - 240 \sim (\pm 10\%)$	$\equiv$	$\sim 50/60 \text{ Hz}$	Flash/min.150±20	
IP 65	$^{\circ}\text{C} -30 +50$	On ∞	1 2 3 4 5 6	PC



Kg 0,12

LD 125 TWS L

MODULO LUMINOSO A LED INTEGRATI LUCE LAMPEGGIANTE

LED INTEGRATED FLASHING LIGHT MODULE
ELEMENT LUMINEUX A LEDS INTEGRES CLIGNOTANT
BLINKLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ INTERMITENTE

$V_{\sim}$	24	48	-	-
$V_{\sim}$	110	240	-	-
$\bullet \bullet \bullet$ mA	90	65	20	20
$\bullet \bullet \circ$ 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

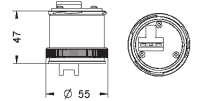
COLONNE TWS
AVEC LEDS
INTEGRES

LICHTSÄULE
TWS MIT
INTEGRIERTEN LED

COLUMNA
TWS DE LED'S
INTEGRADOS



$V_{24} \sim -110 \sim 240 \sim (\pm 10\%)$	$\sim 50/60 \text{ Hz}$	Flash/min.0-150 ± 20	IP 65
$^{\circ}\text{C} -30 +50$	On ∞	1 2 3 4 5 6	PC



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 INTEGRES LUMIERE FIXE/CLIGNOTANTE
DAUER- /BLINKLICHTELEMENT MIT INTEGRIERTEN LED
MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA/INTERMITENTE

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
LDMINITWSFL24DA6	31506	LDMINITWSFL110A6	31516	LDMINITWSFL240A6	31526

	$V \sim$	24	-	-
	$V \sim$	110	240	
● ● ●	mA	30	65	55
● ● ○	mA	30	65	55

NLDMINITWSFL24DA1	31541	NLDMINITWSFL110A1	31551	NLDMINITWSFL240A1	31561
NLDMINITWSFL24DA2	31542	NLDMINITWSFL110A2	31552	NLDMINITWSFL240A2	31562
NLDMINITWSFL24DA3	31543	NLDMINITWSFL110A3	31553	NLDMINITWSFL240A3	31563
NLDMINITWSFL24DA4	31544	NLDMINITWSFL110A4	31554	NLDMINITWSFL240A4	31564
NLDMINITWSFL24DA5	31545	NLDMINITWSFL110A5	31555	NLDMINITWSFL240A5	31565
NLDMINITWSFL24DA6	31546	NLDMINITWSFL110A6	31556	NLDMINITWSFL240A6	31566

V MAX 240

IP 65

°C -30 +50

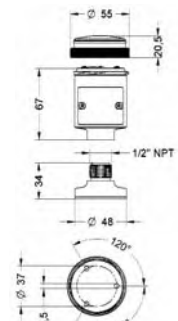
AUTOESTINGUENTE
SELF-EXTINGUISHING
AUTO-EXTINGUIBLE
SELBSTLÖSCHEND
AUTOEXTINGUIBLE



MINI TWS B.C.
BASE DI CABLAGGIO
MODULO BASE
+ CAPPELLO + BASETTA

WIRING BASE + COVER + FOOT
BASE DE CABLAGE + 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

$V_{24} \sim -110 \sim 240 \sim (\pm 10\%)$

$\sim 50/60 \text{ Hz}$

$\sim 50/60 \text{ Hz}$

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 MAGNETODYNAMISCHES ELEMENT
MÓDULO ACÚSTICO MAGNETODINÁMICO

$V \sim$	24	-	-
$V \sim$	110	240	
mA	130	10	15
dB(A) 1m	77	77	77
Hz	800 / 1000		



Kg 0,18

MINITWSA24DA	31531	NMINITWSA24DA	31534
MINITWSA110A	31532	NMINITWSA110A	31535
MINITWSA240A	31533	NMINITWSA240A	31536

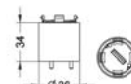


$V_{24\overline{\sim}} (\pm 10\%)$	$\equiv$	$\sim 50/60 \text{ Hz}$	IP 65		$^{\circ}\text{C}$ -30 +50
On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



LD BABY TWS F
MODULO LUMINOSO A LED INTEGRATI
LUCE FISSA

LED INTEGRATED CONTINUOUS LIGHT MODULE
 ELEMENT LUMINEUX A LEDS INTEGRES LUMIERE FIXE
 DAUERLICHTELEMENT MIT INTEGRIERTEN LED
 MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA



Kg 0,017

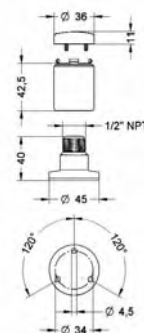
$V \equiv$	24
$V \sim$	
	mA 50
	mA 45
	mA 50
	mA 40
	mA 45
	mA 50

LDBABYTWSF24DA1	36451
LDBABYTWSF24DA2	36452
LDBABYTWSF24DA3	36453
LDBABYTWSF24DA4	36454
LDBABYTWSF24DA5	36455
LDBABYTWSF24DA6	36456

V MAX 24	IP 65	$^{\circ}\text{C}$ -30 +50	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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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



Kg 0,055

BABYTWSBC 36450

NBABYTWSBC 36449

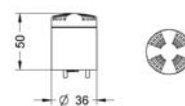
Attenzione: indispensabile nella composizione della colonna / Attention: to assemble the tower this item is essential / Attention: indispensable dans le montage de la colonne / Hinweis: für die Montage einer Signalsäule unbedingt erforderlich / Atención: indispensable en la composición de la columna

$V_{24\overline{\sim}} (\pm 10\%)$	$\equiv$	$\sim 50/60 \text{ Hz}$	IP 54
		$^{\circ}\text{C}$ -30 +50	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			



BABY TWS A
MODULO ACUSTICO PIEZOELETTRICO
 PIEZOELECTRIC ACOUSTIC MODULE
 ELEMENT ACOUSTIQUE PIEZO-ELECTRIQUE
 AKUSTISCHES PIEZOELEKTRISCHES ELEMENT
 MÓDULO ACÚSTICO PIEZOELECTRICO

$V \equiv$	24
$V \sim$	
mA	10
dB(A) 1m	72
Hz	4000±300



Kg 0,044

BABYTWSA24DA 36461

NBABYTWSA24DA 36462

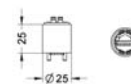


TOWER SECTOR

MICRO TWS



$V_{24\sim} (\pm 10\%)$	$\equiv$	$\sim 50/60 \text{ Hz}$	IP 65		$^{\circ}\text{C} -30 +50$
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 INTEGRES LUMIERE FIXE
 DAUERLICHTELEMENT MIT INTEGRIERTEN LED
 MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA

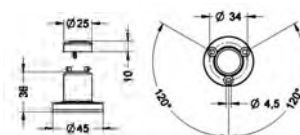
LDMICROTWSF24DA1 31571
 LDMICROTWSF24DA2 31572
 LDMICROTWSF24DA3 31573
 LDMICROTWSF24DA4 31574
 LDMICROTWSF24DA5 31575
 LDMICROTWSF24DA6 31576

	$V \equiv$	24
	$V \sim$	24
●	mA	30
●	mA	30
●	mA	30
●	mA	30
●	mA	25
○	mA	35

$V_{MAX} 24$	IP 65	$^{\circ}\text{C} -30 +50$	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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MICRO TWS B.C. BASE DI CABLAGGIO + CAPPELLO

WIRING BASE + COVER
 BASE DE CABLEAGE + 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

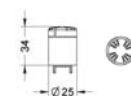
$V_{24\sim} (\pm 10\%)$	$\equiv$	$\sim 50/60 \text{ Hz}$	IP 54
		$^{\circ}\text{C} -30 +50$	On ∞
AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE			

MICRO TWS A

MODULO ACUSTICO PIEZOELETTRICO
 PIEZOELECTRIC ACOUSTIC MODULE
 ELEMENT ACOUSTIQUE PIEZO-ELECTRIQUE
 AKUSTISCHES PIEZOELEKTRISCHES ELEMENT
 MÓDULO ACÚSTICO PIEZOELÉCTRICO



$V \equiv$	24
$V \sim$	24
mA	5
dB(A) 1m	65
Hz	3600±300

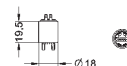


Kg 0,016

MICROTWSA24DA 31538

NMICROTWSA24DA 31539

$V_{24\sim} (\pm 10\%)$	$\equiv$	$\sim 50/60 \text{ Hz}$	IP 65		°C -30 +50
On ∞			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



LD NANO TWS F
MODULO LUMINOSO A LED INTEGRATI
LUCE FISSA

LED INTEGRATED CONTINUOUS LIGHT MODULE
 ELEMENT LUMINEUX A LEDS INTEGRES LUMIERE FIXE
 DAUERLICHTELEMENT MIT INTEGRIERTEN LED
 MÓDULO LUMINOSO DE LED'S INTEGRADOS LUZ FIJA

Kg 0,004

LDNANOTWSF24DA1	31581
LDNANOTWSF24DA2	31582
LDNANOTWSF24DA3	31583
LDNANOTWSF24DA4	31584
LDNANOTWSF24DA5	31585
LDNANOTWSF24DA6	31586

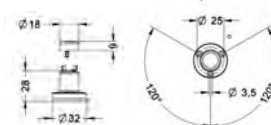
	$V \equiv$	24
	$V \sim$	
	mA	15
	mA	15
	mA	15
	mA	15
	mA	15
	mA	15

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



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 : $V_{12\sim 24\sim 48\sim 110\sim 240\sim (\pm 10\%)}$				Ba9s H-20W : $V_{24\sim 110\sim 240\sim (\pm 10\%)}$				==	
$\sim 50/60 \text{ Hz}$		r.p.m. 160±30		IP 65		$^{\circ}\text{C} -30 +60$		On ∞	



		1	2	3	4	5	6	PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	
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LUCI ROTANTI ROTATING BEACONS -
FEUX TOURNANTS - DREHSPIEGELLEUCHTEN - LUCES ROTATIVAS

**BABYROT
BABYR**

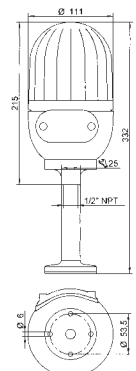
 Ba9s 10W	V 	—	24	—	—	—
	V 	12		48	110	240
	mA	820	500	280	140	73
	Cd (p)	300	350	280	200	120

BABYR12A1	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

**BABYROT H
BABYRH
BABYRHTOR**

	V ==	-	-	-
	V ~	24	110	240
	A	1.2	0.2	0.1
	Cd (p)	2000	2000	2000

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



Kg. 0,75
Kg. 0,97 (H)

V24 $\overline{\sim}$ - 48 $\overline{\sim}$ -110 $\sim$ -240 $\sim$ ($\pm$ 10%)				==		$\sim$ 50/60 Hz		Flash/min. 0-150 $\pm$ 20				IP 65											
		$^{\circ}\text{C}$ -30 +50		On ∞				1		2		3		4		5		6		PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	



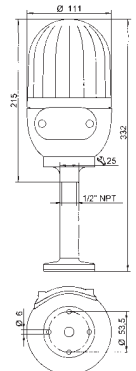
LUCE LAMPEGGIANTE (FISSA) A LED INTEGRATI

LED INTEGRATED FLASHING (CONTINUOUS LIGHT) BEACON - FEU CLIGNOTANT (A LUMIERE FIXE) A LEDS INTEGRES -
BLINK - (DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED - LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS

**LD 365 BABYLAMP
LD365BABY**

	V ==	24	48	-	-
	V ~	110	240	-	-
	mA	180	170	40	40
	mA	170	180	40	40

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



Kg. 0,58

$V_{12\div 48} \text{ ---} 24\div 240 \sim (\pm 10\%)$			$Ba_{15d} LD \frac{105}{205}$			$V_{12 \div 240} \text{ ---}$			---		$\sim 50/60 \text{ Hz}$		Flash/min. 110±20			
	IP 65			$^{\circ}C -30 +60$		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

LUCE LAMPEGGIANTE

FLASHING BEACON - FEU CLIGNOTANT -
BLINKLEUCHTE - LUZ INTERMITENTE

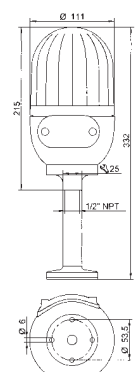
**BABYLAMP L MT
BABYLMT**

 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	0.11	0.10
	Cd (p)	100	70	60	75	75	80

BABYLMT1248D1	26630	BABYLMT1248D4	26633	BABYLMT24240A1	26636	BABYLMT24240A4	26639
BABYLMT1248D2	26631	BABYLMT1248D5	26634	BABYLMT24240A2	26637	BABYLMT24240A5	26640
BABYLMT1248D3	26632	BABYLMT1248D6	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. 0,53



TOWER SECTOR

BABYLAMP - BABYFLASH

$V_{12 \div 240 \sim} (\pm 10\%)$		Ba 15d LD 105 - 205		$\sim 50/60 \text{ Hz}$		IP 65	
	$^{\circ}\text{C} -30 +60$	On ∞		1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE	



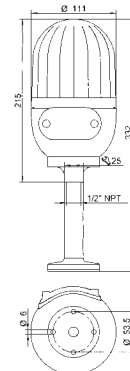
FORNITO SENZA LAMPADA

SUPPLIED WITHOUT BULB - FOURNI SANS AMPOULE - LIEFERUNG OHNE LEUCHTMITTEL - SUMINISTRADO SIN LÁMPARA

LUCE FISSA

CONTINUOUS LIGHT BEACON -
FEU A LUMIERE FIXE - DAUERLEUCHTE -
LUZ FIJABABYLAMP F MT
BABYFMT

	$V \sim$	$12 \div 24 \div 48 \div 110 \div 230 \div 240$					
	$V \sim$						
	A	2.1	1.1	0.52	0.22	0.11	0.10
	Cd (p)	100	70	60	75	75	80

BA 15d 25W
LR BA 15d 25W

Kg. 0,53

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

J 2: $V_{12 \div 24 \sim 110 \sim 230 \div 240 \sim} (\pm 10\%)$				J 3/9: $V_{12 \div 24 \sim 110 \div 240 \sim} (\pm 10\%)$				==		~ 50/60 Hz				
J 2	J 3/9	IP 65		°C -10 +50	On 		 1	 2	 3	 4	 5	 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND



LUCE XENO

XENON LIGHT BEACON - FEU A ECLATS - BLITZLEUCHTE - LUZ DESTELLANTE

	$V \sim$	12-24		110		230-240
	$V \sim$					
	mA	500	440	80	42	43
	Cd (p)	700	1000	1300	1400	1450
	Fl/min	65±10				

XENON 2J
LRX 2J

	$V \sim$	12-24		110		230-240
	$V \sim$					
	mA	470	400	95	36	37
	Cd (p)	350	400	600	500	550
	Fl/min	250	300	400	250	300

XENON 2J
LRX 2J

BABYFLASH

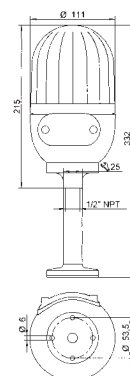
BABYX2J1F
BABYX2J2F
BABYX3/9J1/4F

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	
Cd(p)	1100	1100	1000	1000	1000	1F
Flash/min	140 ± 5		95 ± 5			
Cd(p)	1070 450	1070 850	900 1000	900 1000	900 1000	2F
Flash/min	95 ± 5		65 ± 5			
Cd(p)	1050 450 450	1050 850 850	950 1050 1050	850 1000 1000	850 1000 1000	3F
Flash/min	65 ± 5		55 ± 5			
Cd(p)	1050 450 450 450	1050 850 850 850	900 1000 1000 1000	900 1000 1000 1000	900 1000 1000 1000	4F



XENON 3-9J
LRX 39J

XENON 3-9J
LRX 39J2J 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 richiedere i codici

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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

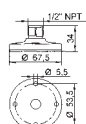
FOOT - with O-Ring and base gasket / SOCLE - avec joint torique et joint de base / FUß - mit O-Ring und Sockeldichtung / PIE - con OR y junta de base



PA

TWS BS

■ TWSBS 27760 ■ NTWSBS 27691



Kg. 0,03

PROLUNGA (h. 10 cm. - sovrapponibile) - con O-Ring e due guance a scatto amovibili

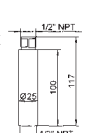


PA

TWS PR

■ TWSPR 27761 ■ NTWSPR 27692

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 taponcitos a saltos amovibles



Kg. 0,03

BASE A PARETE 1 FILETTO - con O-Ring e guarnizione di base

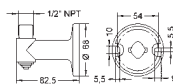
1 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 1 FILET - avec joint torique et joint de base / 1 GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 1 ROSCA - con OR y junta de base



PA

TWS BP 1

■ TWBP1 27762 ■ NTWBP1 27693



Kg. 0,04

BASE A PARETE 2 FILETTI - con O-Ring e guarnizione di base

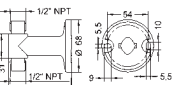
2 THREAD WALL SUPPORT - with O-Ring and base gasket / SUPPORT MURAL A 2 FILETS - avec joint torique et joint de base / 2 GEWINDE-WANDHALTERUNG - mit O-Ring und Sockeldichtung / SOPORTE DE PARED DE 2 ROSCAS - con OR y junta de base



PA

TWS BP 2

■ TWBP2 27763 ■ NTWBP2 27694



Kg. 0,05

1 PR + 1 BS - con O-Ring, guarnizione di base e due guance a scatto amovibili

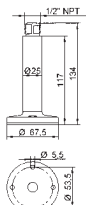
1 PR + 1 BS - with O-Ring, base gasket and two removable snap-shut stoppers /
1 PR + 1 BS - avec joint torique, joint de base et deux bouchons à déclenchement amovibles /
1 PR + 1 BS - mit O-Ring, Sockeldichtung und zwei abnehmbaren Schnapp-Füllstücke /
1 PR + 1 BS - con OR, junta de base y dos taponcitos a saltos amovibles



PA

TWS KIT

■ TWSKIT 27764 ■ NTWSKIT 27695



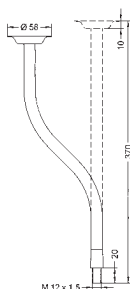
Kg. 0,06

PROLUNGA FLESSIBILE ACCIAIO

FLEXIBLE STEEL EXTENSION STEM
SUPPORT TUBULAIRE FLEXIBLE ACIER
FLEXIBLES STAHLROHR
PROLONGADOR FLEXIBLE DE ACERO



N TWS PF2



Kg. 0,26

NTWSPF2 27696

BOX DI GIUNZIONE

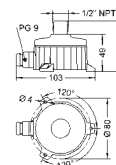
JUNCTION BOX
BOITE DE JONCTION
ANSCHLUSSKASTEN
CAJA DE CONEXIÓN



PA

TWS BOX PG9

■ TWSBOXPG9 27777 ■ NTWSBOXPG9 27778



Kg. 0,1

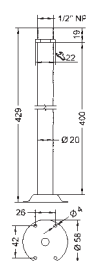
PROLUNGA ACCIAIO INOX (h. 400 mm) con O-Ring

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

■ 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



TWS KIT INOX L/200

■ TWSKITINOXL200 27766



Kg. 0,18

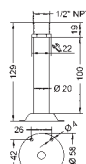
PROLUNGA ACCIAIO INOX (h. 100 mm) con O-Ring

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



TWS KIT INOX L/100

■ TWSKITINOXL100 27765



Kg. 0,14

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
25PZBA15D5W24	27781
25PZBA15D5W48	27782
25PZBA15D5W130	27783
25PZBA15D5W240	27784

Scatola 1x25 pz.

1x25 pc. box - Boîte 1x25 pièces
Schachtel 1x25 St. - Caja 1x25 unidades

BA15D5W12	70970
BA15D5W24	70971
BA15D5W48	70972
BA15D5W130	70973
BA15D5W240	70974

Scatola singola

Single box - Boîte individuelle -
Einzelschachtel - Caja individual

LRBA15D5W12	70941
LRBA15D5W24	70942
LRBA15D5W48	70943
LRBA15D5W130	70944
LRBA15D5W240	70945

DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO 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**

LD454WOBA15D12DA1	40931	LD454WOBA15D24DA3	40943	LD454WOBA15D110A6	40956
LD454WOBA15D12DA2	40932	LD454WOBA15D24DA4	40944	LD454WOBA15D230240A1	40961
LD454WOBA15D12DA3	40933	LD454WOBA15D24DA6	40946	LD454WOBA15D230240A2	40962
LD454WOBA15D12DA4	40934	LD454WOBA15D110A1	40951	LD454WOBA15D230240A3	40963
LD454WOBA15D12DA6	40936	LD454WOBA15D110A2	40952	LD454WOBA15D230240A4	40964
LD454WOBA15D24DA1	40941	LD454WOBA15D110A3	40953	LD454WOBA15D230240A6	40966
LD454WOBA15D24DA2	40942	LD454WOBA15D110A4	40954		

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

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 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

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	29741
LD105EXLBA15DEL12DA8	27908	LD105ELBA15D48DA5	27825	LD105ELBA15D230240A2	29742
LD105EXLBA15DEL24DA1	27811	LD105ELBA15D48DA6	27826	LD105ELBA15D230240A3	29743
LD105ELBA15D24DA2	27812	LD105EXLBA15DEL48DA8	27828	LD105ELBA15D230240A5	29745
LD105ELBA15D24DA3	27813	LD105EXLBA15DEL110A1	27911	LD105ELBA15D230240A6	29746
LD105ELBA15D24DA5	27815	LD105ELBA15D110A2	27912	LD105EXLBA15DEL230240A8	29748

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

ACCESSORI E RICAMBI PER BABYROT, BABYLAMP, BABYFLASH

ACCESSORIES AND SPARE PARTS FOR BABYROT, BABYLAMP, BABYFLASH

ACCESSOIRES ET PIÉCES 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 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 ALOGENA
HALOGEN BULB - AMPOULE HALOGENE - HALOGENLAMPE - LÁMPARA HALÓGENA

**Ba9s
20 W**

LRHBA9S20W12	72786	x BABYROT 110/230V
LRHBA9S20W24	72787	x BABYROT 24V

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 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 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



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	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 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



LAMPADA A FILAMENTO
FILAMENT BULB - AMPOULE A FILAMENT - GLÜHLAMPE - LÁMPARA DE FILAMENTO

**Ba15d
25W**

Scatola 12 pz. 12 pc. box - Boîte de 12 pièces - 12 stk. ger Schachtel - Caja de 12 unidades		Scatola 1x12 pz. 1x12 pc. box - Boîte 1x12 pièces Schachtel 1x12 St. - Caja 1x12 unidades		Scatola singola Single box - Boîte individuelle - Einzelschachtel - 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 DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO 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
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TUBO ALLO XENO
XENON TUBE - TUBE AU XENON -
ENTLADUNGSRÖHRE - TUBO DE XENÓN

LRX 3-9J

LRX39J14F	72788
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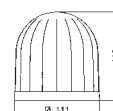
DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
4.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL



CUPOLA PC
PC DOME - DOME PC - HAUBE PC - CÚPULA PC

**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 V 12-24-110-230-240 (±10%)	TIPO DI LAMPADA Ba 9s 4W	LAMPADA A LED Ba 9s LD 103	CORRENTE DC (continua) AC (alternata)	FREQUENZA DI RETE 50/60 Hz
Flash/min. 0 - 110±20	IP 54	6 PC	°C -30 +40	On ∞
LAMPI O GIRI PER MINUTO Flash/min o r.p.m.	PROPAGAZIONE LUCE	CLASSE II DI ISOLAMENTO	COLORI DELLA CUPOLA	MATERIALE CUPOLA PC: POLICARBONATO
GRADO IP: CORPI SOLIDI E ACQUA PARTE LUMINOSA: COME INDICATO PARTE ACUSTICA LX1 - LX2 : IP40 PARTE ACUSTICA LX3 - LX4 : IP30	CODICE COLORE 1 = BLU 2 = ARANCIO 3 = ROSSO 4 = VERDE 5 = GIALLO 6 = NEUTRO 7 = AZZURRO 8 = VERDE EXL	AUTOESTINGUENTE	TEMPERATURA DI FUNZIONAMENTO	SERVIZIO CONTINUO
			SUONO LINEARE SUONO INTERMITTENTE	

INFORMAZIONI TECNICHE RELATIVE ALLE PIÙ IMPORTANTI CARATTERISTICHE ELETTRICHE E PRESTAZIONI FUNZIONALI

MATERIALI

BASI : POLIFENILENE (PPE)
PROLUNGHE RIGIDE : ACCIAIO INOX
PROLUNGHE FLESSIBILI : ACCIAIO
BASI PER TUBO : POLIFENILENE (PPE)
BASI MULTIPLE : POLIFENILENE (PPE)
BOX DI GIUNZIONE : POLIFENILENE (PPE)

	VOLTAGGIO CORRENTE CONTINUA	VOLTAGGIO CORRENTE ALTERNATA	
V	12	24	110
V	12	24	110
mA lampada	330	130	35
Cd (p) elemento luminoso	3	3	2
mA lampada LED	82	43	16
mA acustica	10	14	5
dB(A) 1 m	70	70	70
Hz			3200

INDICE DI PROTEZIONE (EN 60529)

Prima cifra: protezione contro corpi solidi estranei			Seconda cifra: protezione contro l'acqua		
IP			IP		
0		Non protetto	0		Non protetto
1		Protetto contro corpi solidi estranei superiori a 50 mm (es. contatto involontario della mano)	1		Protetto contro la caduta verticale di gocce d'acqua (condensa)
2		Protetto contro corpi solidi estranei superiori a 12,5 mm (es. dito della mano)	2		Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15°
3		Protetto contro corpi solidi estranei superiori a 2,5 mm (es. utensili e viti)	3		Protetto contro la caduta verticale di pioggia con un'inclinazione fino a 60°
4		Protetto contro corpi solidi estranei superiori a 1 mm (es. utensili e cavi sottili)	4		Protetto contro gli spruzzi d'acqua da tutte le direzioni
5		Protetto contro la polvere (nessun deposito apprezzabile)	5		Protetto contro i getti d'acqua da tutte le direzioni
6		Totalmente protetto contro la polvere	6		Totalmente protetto contro i getti d'acqua potenti
			7		Protetto contro gli effetti dell'immersione
			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 (±10%)	Ba 9s 4W	Ba 9s LD 103	DC AC	50/60 Hz
Flash/min. 0 - 110±20	IP 54	PC	°C -30 +40	On ∞
FLASHES OR ROTATIONS PER MINUTE Flash/min or r.p.m.	LIGHT DIFFUSION	INSULATION CLASS II	DOMES COLOURS	CONTINUOUS OPERATION
	IP RATING: SOLID BODIES AND WATER LUMINOUS SECTION: AS INDICATED ACOUSTIC SECTION LX1 - LX2: IP40 ACOUSTIC SECTION LX3 - LX4: IP30	COLOUR CODE 1 = BLUE 2 = AMBER 3 = RED 4 = GREEN 5 = YELLOW 6 = CLEAR 7 = LIGHT BLUE 8 = GREEN EXL	DOMES MATERIAL PC: POLYCARBONATE	OPERATING TEMPERATURE RANGE
			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	V
Bulb mA	Luminous element Cd(p)
LED bulb mA	Acoustics mA
dB(A) 1 m	Hz
Peak Candela	Sound Frequency in Hertz
Sound Output in Decibel (A) Measured at 1m	

	12	24	110	230	240
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	IP
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

Cd (p) – Peak luminous intensity with clear dome

	6	5	2	3	4	1
Light transmission	100%	90%	70%	26%	20%	12%
	100%	87%	62%	21%	25%	16%

LEGENDE

LUXOR: PRINCIPALES CARACTERISTIQUES TECHNIQUES ET FONCTIONNELLES DES PRODUITS

TENSION V 12-24-110-230-240 (±10%)	TYPE D'AMPOULE Ba 9s 4W	AMPOULE A LED Ba 9s LD 103	COURANT DC (continu) AC (alternatif)	FREQUENCE DE RESEAU 50/60 Hz
Flash/min. 0 - 110±20	IP 54	PC	°C -30 +40	On ∞
ECLATS OU TOURS PAR MINUTE Flash/min ou r.p.m.	DIFFUSION DE LA LUMIERE	CLASSE II D'ISOLATION	COULEURS DU DOME	MATERIEL DOME PC: POLYCARBONATE
DEGRE IP: CORPS SOLIDES ET EAU PARTIE LUMINEUSE: COMME INDIQUE PARTIE ACOUSTIQUE LX1 - LX2: IP40 PARTIE ACOUSTIQUE LX3 - LX4: IP30	CODE COULEUR 1 = BLEU 2 = ORANGE 3 = ROUGE 4 = VERT 5 = JAUNE 6 = TRANSPARENT 7 = BLEU CLAIR 8 = VERT EXL	AUTO-EXTINGUIBLE	TEMPERATURE DE FONCTIONNEMENT	SERVICE CONTINU
INFORMATIONS TECHNIQUES CONCERNANT LES CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES				

MATERIAUX

BASES : POLYPHENYLENE (PPE)
TIGES RIGIDES: ACIER INOX
RALLONGES FLEXIBLES: ACIER
BASES POUR TIGE: POLYPHENYLENE (PPE)
BASES MULTIPLES MODULAIRES: POLYPHENYLENE (PPE)
BOITE DE JONCTION: POLYPHENYLENE (PPE)

	TENSION COURANT CONTINU	TENSION COURANT ALTERNATIF
V DC	12	24
V AC	110	230
mA ampoule	330	130
Cd (p) élément lumineux	3	3
mA ampoule à LED	82	43
mA acoustique	10	14
dB(A) 1 m	70	70
Hz	3200	

INDICES DE PROTECTION (EN 60529)

1er chiffre: protection contre les corps solides	2e chiffre: protection contre les corps liquides
IP	IP
0	0 Pas de protection
1	1 Protégé contre les chutes verticales de gouttes d'eau (condensation)
2	2 Protégé contre les chutes de gouttes d'eau jusqu'à 15° de la verticale
3	3 Protégé contre l'eau en pluie jusqu'à 60° de la verticale
4	4 Protégé contre les projections d'eau de toutes directions
5	5 Protégé contre les jets d'eau de toutes directions à la lance
6	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

Cd (p) – intensité lumineuse de pic avec dôme incolore

Lumière transmise	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 DC (Gleichstrom) AC (Wechselstrom)	NETZFREQUENZ
V 12-24-110-230-240 (±10%)	Ba 9s 4W	Ba 9s LD 103	DC (Gleichstrom) AC (Wechselstrom)	50/60 Hz
Flash/min. 0 - 110±20	IP 54	IP 54	°C -30 +40	On
BLITZE ODER UMDREHUNGEN PRO MINUTE Flash/min oder r.p.m.	LICHTSTRAHLUNG	ISOLATIONSKLASSE II	HAUBENMATERIAL PC: POLYKARBONAT	BETRIEBSTEMPERATUR
		HAUBENFARBEN		DAUERBETRIEB
		FARBEN-KODE 1 = BLAU 2 = GELB 3 = ROT 4 = GRÜN 5 = ZITRONENGELB 6 = FARBLOS 7 = HELL-BLAU 8 = GRÜN EXL		
		IP-SCHUTZART: FESTE FREMDKÖRPER-WASSER OPTISCHER TEIL: WIE ANGEZEIGT AKUSTISCHER TEIL LX1 - LX2 : IP40 AKUSTISCHER TEIL LX3 - LX4 : IP30		
			= LINEARE TONFOLGE --- = UNTERBROCHENE TONFOLGE	

TECHNISCHE INFORMATIONEN ÜBER DIE WICHTIGSTEN ELEKTRISCHEN UND FUNKTIONSMERKMALE

MATERIALIEN

SOCKEL : POLYPHENYLENE (PPE)
STANDROHRE : ROSTFREIER STAHL
FLEXIBLE ROHRE : STAHL
GESTELLE FÜR ROHR : POLYPHENYLENE (PPE)
MEHRFACHSOCKEL : POLYPHENYLENE (PPE)
KLEMMKASTEN : POLYPHENYLENE (PPE)

STROMVERBRAUCH A=Ampere 1mA=0,001A	SPANNUNG GLEICHSTROM	SPANNUNG WECHSELSTROM	12	24	110	230	240
	V	V	12	24	110	230	240
	mA Leuchtmittel		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 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

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%

LU

LUXOR: PRINCIPALES CARACTERÍSTICAS TÉCNICAS Y FUNCIONALES DE LOS PRODUCTOS

V 12-24-110-230-240 (±10%)	TIPO DE LÁMPARA Ba 9s 4W	LÁMPARA DE LED Ba 9s LD 103	CORRIENTE DC (continua) AC (alterna)	FRECUENCIA DE RED 50/60 Hz
Flash/min. 0 - 110±20	IP 54	COLORES DE LA CÚPULA 1 2 3 4 5 6	TEMPERATURA OPERATIVA °C -30 +40	SERVICIO CONTINUO On ∞
DESTELLOS O VUELTAS POR MINUTO Flash/min o r.p.m.	PROPAGACIÓN DE LA LUZ	CLASE II DE AISLAMIENTO	MATERIAL CÚPULA PC: POLICARBONATO	SONIDO LINEAL SONIDO INTERMITENTE
GRADO DE IP: CUERPO SÓLIDOS Y AGUA SECCIÓN LUMINOSA: TAL COMO INDICAMOS SECCIÓN ACÚSTICA: LX1 - LX2: IP40 SECCIÓN ACÚSTICA: LX3 - LX4: IP30				

MATERIALS

BASES : POLIFENILENE (PPE)
PROLONGADORES RÍGIDOS: ACERO INOX
PROLONGADORES FLEXIBLES: ACERO
BASES PARA SOPORTE TUBULAR: POLIFENILENE (PPE)
BASES MÚLTIPLAS COMPONIBLES: POLIFENILENE (PPE)
CAJA DE CONEXIÓN: POLIFENILENE (PPE)

INFORMACIONES TÉCNICAS SOBRE LAS CARACTERÍSTICAS ELÉCTRICAS Y PRESTACIONES FUNCIONALES MÁS IMPORTANTES

	VOLTAJE CORRIENTE CONTINUA	VOLTAJE CORRIENTE ALTERNA				
CONSUMO DE CORRIENTE	V	12	24	110	230	240
A=Ampere 1mA=0,001A	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
CANDELAS/PICO	mA acústica	10	14	5	5	5
	dB(A) 1 m	70	70	70	70	70
NIVEL ACÚSTICO EN DECIBELIO MEDIDO A 1 m	Hz	3200				
	FRECUENCIA SONIDO FN HERTZIO					

ÍNDICES DE PROTECCIÓN (EN 60529)

1ª cifra: protección contra los cuerpos sólidos			2ª cifra: protección contra los cuerpos líquidos		
IP			IP		
0		Sin protección	0		Sin protección
1		Protegido contra cuerpos sólidos superiores a 50 mm (ej.: contactos involuntarios de la mano)	1		Protegido contra las caídas verticales de gotas de agua (condensación)
2		Protegido contra cuerpos sólidos superiores a 12,5 mm (ej.: dedos de la mano)	2		Protegido contra las caídas de agua hasta 15° de la vertical
3		Protegido contra cuerpos sólidos superiores a 2,5 mm (ej.: herramientas, cables)	3		Protegido contra el agua de lluvia hasta 60° de la vertical
4		Protegido contra cuerpos sólidos superiores a 1 mm (ej.: herramientas fines, pequeños cables)	4		Protegido contra las proyecciones de agua en todas direcciones
5		Protegido contra el polvo (sin sedimentos perjudiciales)	5		Protegido contra el lanzamiento de agua en todas direcciones
6		Totalmente protegidos contra el polvo	6		Protegido contra el lanzamiento de agua similar a los golpes de mar
			7		Protegido contra la inmersión
			8		Protegido contra los efectos prolongados de inmersión bajo presión

Cd (p) – intensidad luminosa de pico con cúpula incolora						
	Transmisión de luz					
		100%	90%	70%	26%	20%
	100%	87%	62%	21%	25%	16%



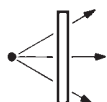
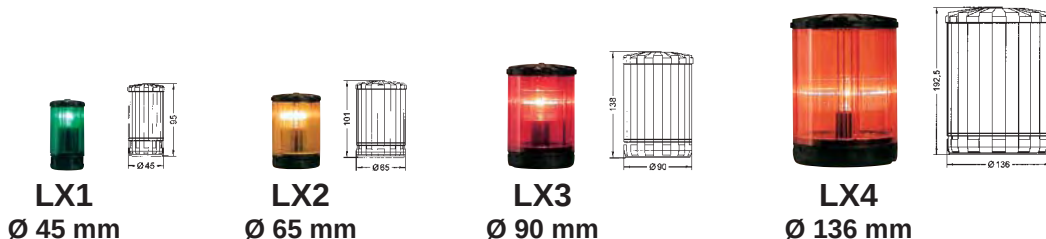
LUXOR

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



C

Luce lampeggiante o fissa pilotata elettronicamente

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

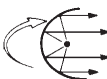


F

Luce fissa senza elettronica

Continuous light without electronics
Lumière fixe sans électronique
Dauerlicht ohne Elektronik
Luz fija sin electrónica

LX1 - LX2 - LX3 - LX4



R

Luce rotante

Rotating beacon
Feu tournant
Drehspiegelleuchte
Luz rotativa

LX4



B

Luce a ballottaggio

Alternating light
Lumière en alternance
Wechselblinklicht
Luz alternada

LX1 - LX2 - LX3 - LX4



X

Luce a flash

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:

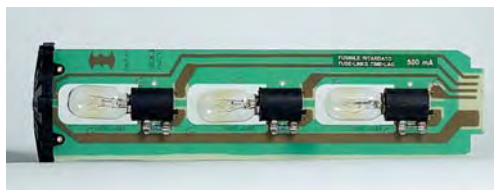
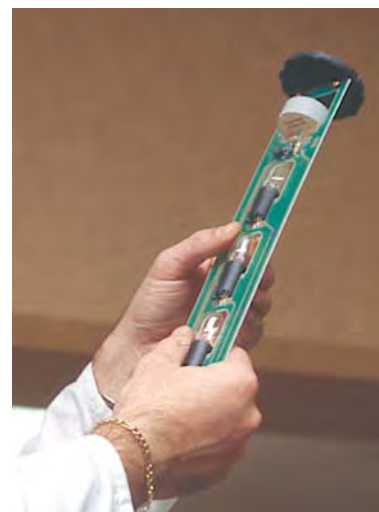
- scheda portalampane multipla brevettata con taglio dell'alimentazione all'apertura dell'apparecchio, che permette la sostituzione delle lampade in assenza di tensione sulla scheda, pur con colonna e quindi macchina alimentate
- distanza fra le piste del circuito secondo norme internazionali
- lampadine con zoccolo a baionetta per innesto rapido ed antisvitamento
- resistenze di protezione a livello di portalampane 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

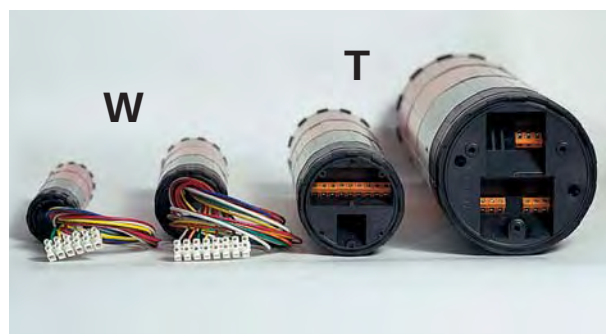


collegamenti per il cablaggio accompagna ogni LUXOR.

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

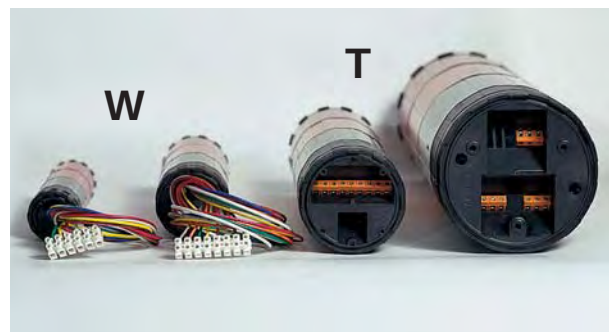
LUXOR is the only product which offers a flexible assembly system within 360°, by providing separate clamp-on feet. Each LUXOR is supplied with an instruction sheet and connection diagram for the me-

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**.

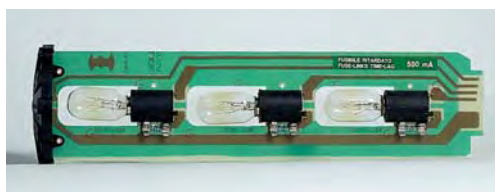
A junction box is available for an easier wiring and a side outlet for cables. It can be supplied as a separate accessory or already fitted and connected.



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 électronique.



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.

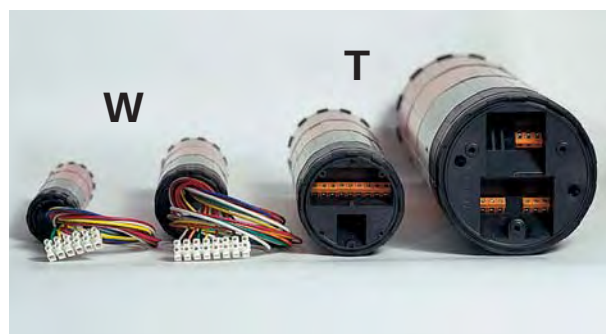
RAPIDITE ET SOUPLESSE DE MONTAGE

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:

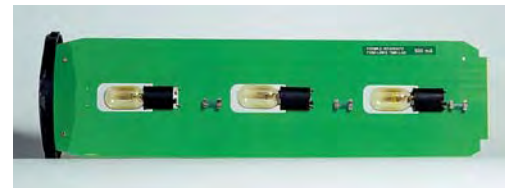
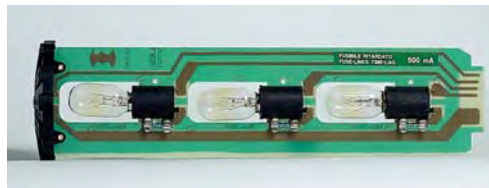
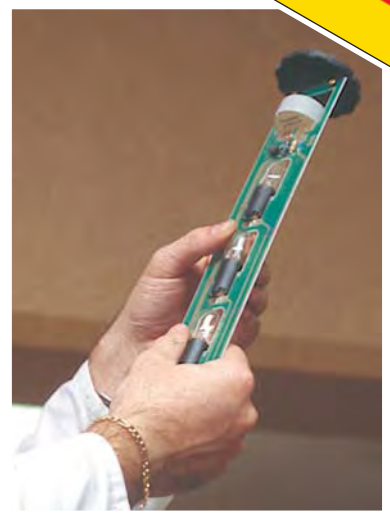
- patentierte, mehrfache Lampenhalterplatine mit automatischer Abschaltung des Stromes bei Öffnung des Apparates, welche das gefahrlose Auswechseln der Leuchtmittel ermöglicht. Dies erfolgt bei spannungsfreier Platine, ohne Freischalten des Signalgerätes
- Abstand zwischen den Schaltkreisspuren nach internationalen Normen
- Bajonettlampenfassung zum raschen und rüttelfesten Verschluss
- 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 schnelleinklembaren Befestigungsfüßchen, welche nicht an eine Position auf 360° gebunden sind.

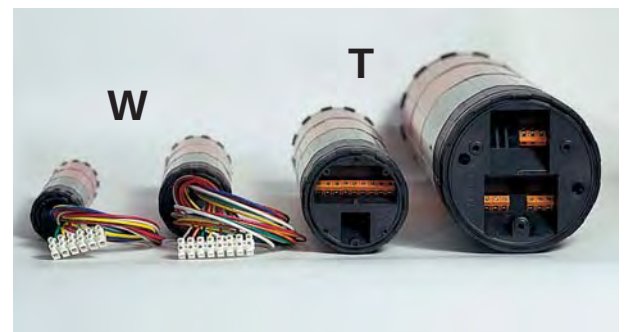
Ein Merkblatt für die Montage, komplett mit Bohrschablone und Verkabelungsschema liegt jeder LUXOR-Leuchte bei.



Die Standardzusammenstellungen, gekennzeichnet mit dem Buchstaben **T**, sind mit **im Sockel untergebracht**em 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 la abertura 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 enganque 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.

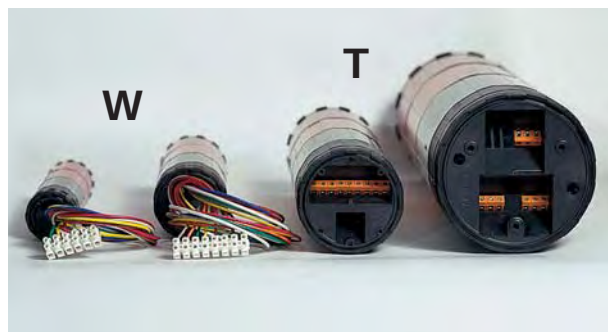


ción, esquema de conexión para el cableado.

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

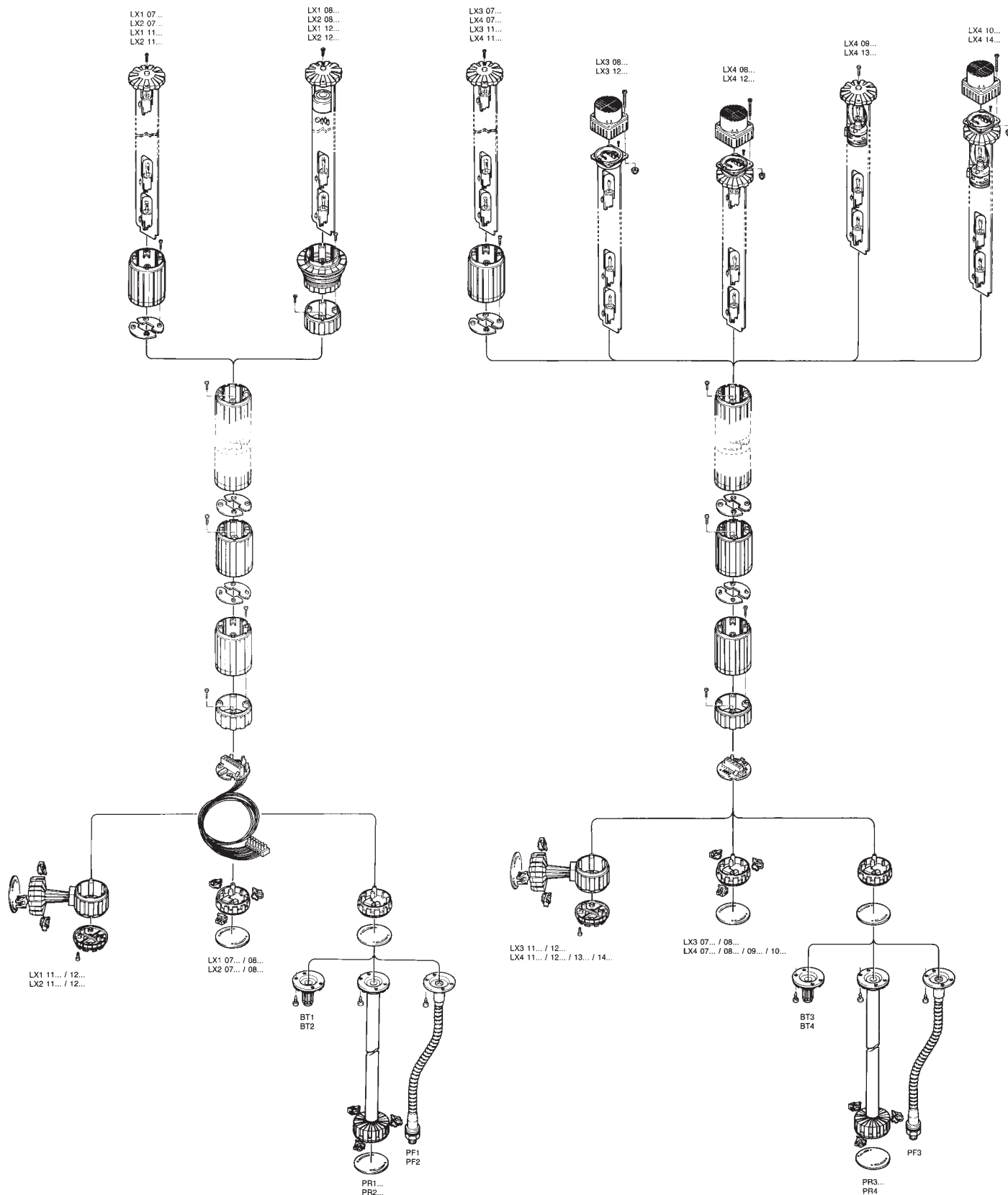
Les dessins éclatés montrent la composition des colonnes lumineuses LUXOR dans les quatre dimensions. A l'intérieur de la base est placé le circuit pour le pilotage des éléments lumineux et lumineux avec acoustique de façon fixe (code F) ou intermittente (code C).

LUXOR SIGNALSÄULEN - MONTAGE

Die angegebenen Beispiele stellen die Zusammensetzung der Lichtsäulen LUXOR in ihren Größen dar. Im Sockel ist der Steuerungsschaltkreis 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 dos elementos luminosos y luminosos con acústica fijos (código F) o intermitentes o fijos (código C).



LX1 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

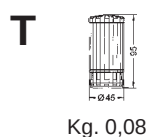
BLINKING OR CONTINUOUS LIGHT WITH ELECTRONICS / LUMIERE CLIGNOTANTE OU FIXE AVEC ELECTRONIQUE / BLINK- ODER DAUERLICHT MIT ELEKTRONIK / LUZ INTERMITENTE O FIJA CON ELECTRÓNICA

V 12-24-110-230-240 (±10%)		 Ba9s 4W	Ba9s LD 103		==	 50/60 Hz		
Flash/min. 0 - 110±20		IP ⁴⁰ 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
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



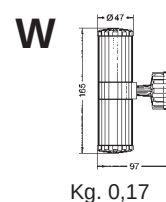
Kg. 0,08

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 060 C

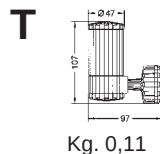
LX1060C12DA34	14799
LX1060C24DA34	14345
LX1060C110A34	14630
LX1060C230A22	10923



Kg. 0,17



LX1 040 C



Kg. 0,11

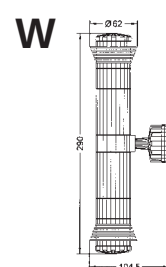
LX1040C24DA2	10557	LX1040C110A3	10564	LX1040C240A2	10575
LX1040C24DA3	10558	LX1040C230A2	10569	LX1040C240A3	10576
LX1040C110A2	10563	LX1040C230A3	10570		



LX1 150 C

IP 40

LX1150C24D22	12827
LX1150C24A22	12829
LX1150C230A22	12831
LX1150C230A35	14186

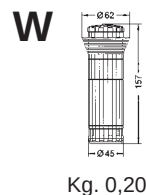


Kg. 0,39



LX1 080 C

IP 40



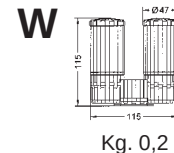
Kg. 0,20

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 030 C

LX1030C24D21	14575
LX1030C24D34	10361
LX1030C110A34	10362



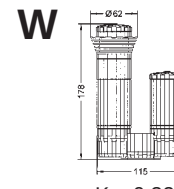
Kg. 0,2



LX1 160 C

IP 40

LX1160C110A23	14935
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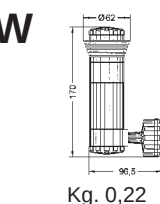


Kg. 0,32



LX1 120 C

IP 40



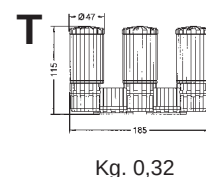
Kg. 0,22

LX1120C12A2	12353	LX1120C110A3	12366	LX1120C230A4	12373
LX1120C12A3	12354	LX1120C110A5	12368	LX1120C240A2	12377
LX1120C12A4	12355	LX1120C230A2	12371		
LX1120C24A3	12360	LX1120C230A3	12372		



LX1 031 C

LX1031C24D124	16205
LX1031C24D324	10426
LX1031C24D354	16262
LX1031C24A324	10423
LX1031C110A324	10427



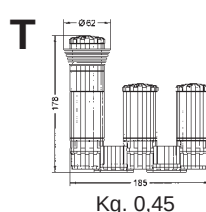
Kg. 0,32



LX1 161 C

IP 40

LX1161C24D324	13001
LX1161C24A324	12999
LX1161C230A324	13003



Kg. 0,45

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

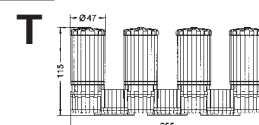
V 12-24-110-230-240 (±10%)		 Ba9s 4W	Ba9s LD 103			 50/60 Hz
Flash/min. 0 - 110±20	IP ⁴⁰ / ₅₄		 — / ---		°C -30 +40	On ∞
				PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

V 	12	24	110	230	240
V 	12	24	110	230	240
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 032 C

LX1032C24D3214	10461	LX1032C24A3214	10459
LX1032C24D4352	14572	LX1032C230A3214	10463



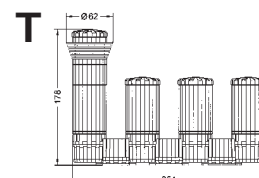
Kg. 0,5



LX1 162 C

IP 40

LX1162C24D3214	13061
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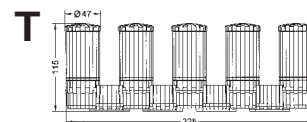


Kg. 0,54



LX1 033 C

LX1033C240A32154	10504
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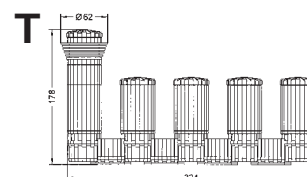
Kg. 0,58



LX1 163 C

IP 40

LX1163C24D32154	13121
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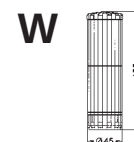


Kg. 0,67



LX1 070 C

LX1070C12D34	11040	LX1070C110A34	11044
LX1070C24D23	14179	LX1070C110A53	16209
LX1070C24D34	11041	LX1070C230A32	14319
LX1070C24D35	14146	LX1070C230A34	11045
LX1070C24A34	11043	LX1070C240A34	11046
LX1070C110A15	14798		

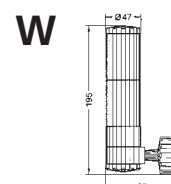


Kg. 0,16



LX1 110 C

LX1110C12D34	12116	LX1110C230A34	12119
LX1110C230A32	14468	LX1110C240A34	12120



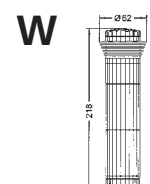
Kg. 0,21



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 ELECTRONICA

LX1 B - LUCE A BALLOTTAGGIO

ALTERNATING LIGHT / LUMIERE EN ALTERNANCE / WECHSELBLINKLICHT / LUZ ALTERNADA

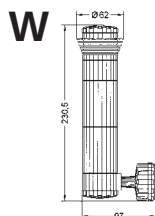
V12-24-110-230-240 (±10%)		 Ba9s 4W	Ba9s LD 103			 50/60 Hz
Flash/min. 0 - 110±20	IP ⁴⁰ ₅₄		 — / ---		°C -30 +40	On ∞
					PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
V 	12	24	110	230	240	
V 	12	24	110	230	240	
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / 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					



IP 40

LX1 121 C

LX1121C24A34	12633
LX1121C230A34	12635
LX1121C240A34	12636

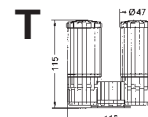


Kg. 0,26



LX1 030 B

LX1030B24DA22	16300
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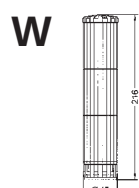


Kg. 0,2



LX1 071 C

LX1071C12D324	11140
LX1071C24D123	14254
LX1071C24D154	14834
LX1071C24D324	11141
LX1071C24D354	14137
LX1071C24A324	11143
LX1071C24A354	14378
LX1071C110A324	11144
LX1071C230A156	14739
LX1071C230A324	11145
LX1071C230A354	14139
LX1071C240A354	14716



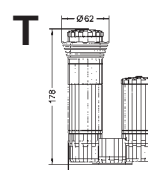
Kg. 0,24



LX1 160 B

IP 40

LX1160B24DA34	12932
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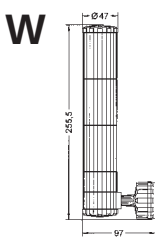


Kg. 0,31



LX1 111 C

LX1111C12A324	12221
LX1111C12D324	12220
LX1111C24D324	12222
LX1111C24A324	12223
LX1111C24A346	14443
LX1111C24A356	14792
LX1111C110A324	12224
LX1111C230A324	12225
LX1111C240A324	12226

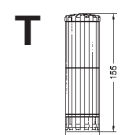


Kg. 0,24



LX1 070 B

LX1070B24DA34	11053
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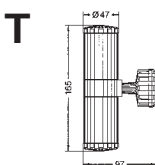


Kg. 0,16



LX1 060 B

LX1060B12D22	10925
LX1060B24D22	10926
LX1060B110A22	10929



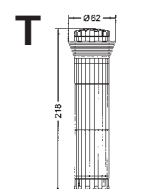
Kg. 0,18



LX1 081 B

IP 40

LX1081B24DA34	11622
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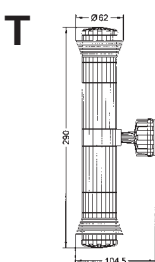
Kg. 0,24



LX1 150 B

IP 40

LX1150B12DA22	12836
LX1150B230A22	12838



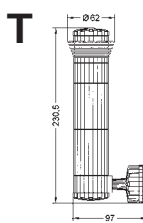
Kg. 0,39



LX1 121 B

IP 40

LX1121B24DA34	12638
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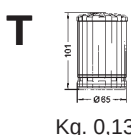


Kg. 0,26

V 12-24-110-230-240 (±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 SELBSTLÖSCHEND AUTOEXTINGUIBLE
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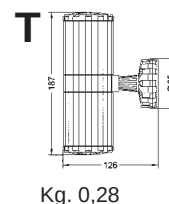
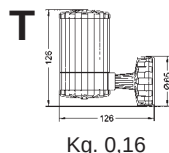
V ==	12	24	110	230	240
V ~	12	24	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	90	50	45
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	2	2	2
mA lampada LED / LED bulb mA / mA ampoule à 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 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


LX2 060 C

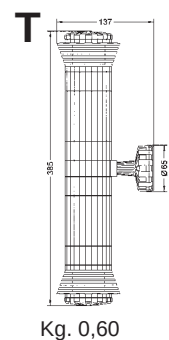
LX2060C12DA54	14863
LX2060C24DA32	10936
LX2060C24DA34	14312
LX2060C110A22	10942
LX2060C230A22	10943
LX2060C230A34	14346


LX2 040 C


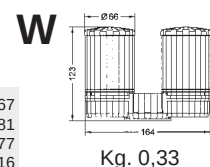
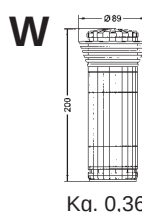
LX2040C12DA2	10581	LX2040C24DA4	10589	LX2040C230A4	10601
LX2040C12DA3	10582	LX2040C24DA5	10590	LX2040C230A6	10603
LX2040C12DA5	10584	LX2040C110A3	10594	LX2040C240A2	10605
LX2040C24DA2	10587	LX2040C230A2	10599	LX2040C240A4	10607
LX2040C24DA3	10588	LX2040C230A3	10600		


LX2 150 C
IP 40

LX2150C230A36	16215
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LX2 030 C

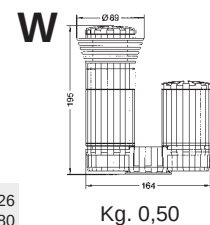
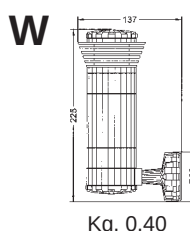
LX2030C24D23	14867
LX2030C24D34	10381
LX2030C24A34	10377
LX2030C110A32	16216


LX2 080 C
IP 40


LX2080C12A3	11368	LX2080C24A3	13502	LX2080C110A5	11376
LX2080C24D2	11361	LX2080C24A4	13503	LX2080C230A2	11379
LX2080C24D3	11362	LX2080C24A5	13504	LX2080C230A3	11380
LX2080C24D4	11363	LX2080C110A2	11373	LX2080C230A5	11382
LX2080C24D5	11364	LX2080C110A3	11374	LX2080C240A2	11385
LX2080C24A2	13501	LX2080C110A4	11375	LX2080C240A3	11386


LX2 160 C
IP 40

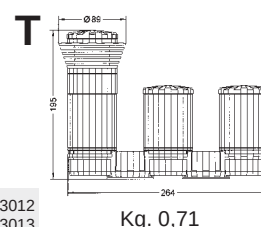
LX2160C24A34	12926
LX2160C24A35	14880


LX2 120 C
IP 40


LX2120C12D2	12383	LX2120C110A4	12397	LX2120C230A5	12404
LX2120C24A2	14011	LX2120C230A2	12401	LX2120C240A3	12408
LX2120C110A3	12396	LX2120C230A3	12402		


LX2 161 C
IP 40

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

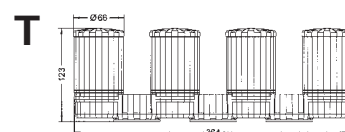
V 12-24-110-230-240 (±10%)		 Ba9s 10W	Ba9s LD 103		==	 50/60 Hz		
Flash/min. 0 - 110±20		IP 40 54		 — / ---		°C -30 +40		On ∞
					PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

V ==	12	24	110	230	240
V ~	12	24	110	230	240
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		



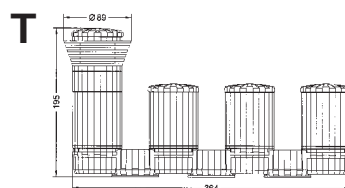
Kg. 0,76



LX2 162 C

IP 40

LX2162C230A3214	13073
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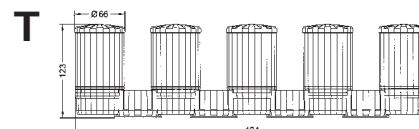


Kg. 0,93



LX2 033 C

LX2033C24D13465	14980
LX2033C24D26431	16251



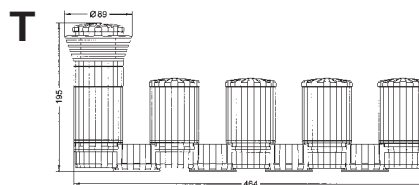
Kg. 0,96



LX2 163 C

IP 40

LX2163C24D33333	14947
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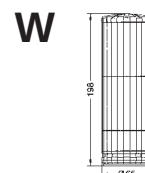


Kg. 1,13



LX2 070 C

LX2070C24D32	14306	LX2070C24A63	14740
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		

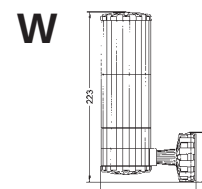


Kg. 0,32



LX2 110 C

LX2110C24D53	14857	LX2110C230A34	12133
LX2110C24A34	12129		



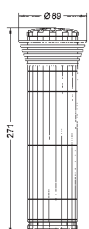
Kg. 0,35

V 12-24-110-230-240 (±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 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 / 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				

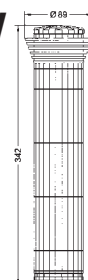

LX2 081 C
IP 40

LX2081C24D32	14906
LX2081C24D34	11630
LX2081C24D35	14365
LX2081C24A13	14395
LX2081C24A23	14712
LX2081C24A34	11631
LX2081C24A53	14635
LX2081C110A34	11632
LX2081C230A34	11633
LX2081C230A35	16224

W

Kg. 0,41

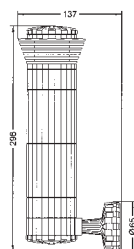
LX2 082 C
IP 40

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

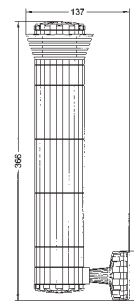
LX2 121 C
IP 40

LX2121C24D34	12645
LX2121C24D35	14471
LX2121C24A34	12646
LX2121C110A24	14952
LX2121C110A34	12647
LX2121C230A34	12648
LX2121C230A61	14870
LX2121C240A34	12649

W

Kg. 0,56

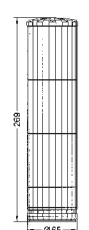
LX2 122 C
IP 40

LX2122C24A324	12711
LX2122C24A453	14823
LX2122C24D324	12710
LX2122C24D354	14520
LX2122C110A324	12712
LX2122C240A324	12714

W

Kg. 0,63

LX2 071 C

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

W

Kg. 0,39

LX2 072 C

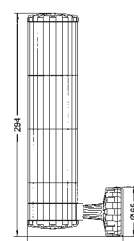
LX2072C24D1354	14215
LX2072C24D3241	14752
LX2072C24D3264	11198
LX2072C24D3654	14235
LX2072C24A3264	11199
LX2072C24A3566	14486
LX2072C24A5341	14239
LX2072C110A3264	11194
LX2072C230A3264	11195
LX2072C240A3241	14753

W

Kg. 0,46

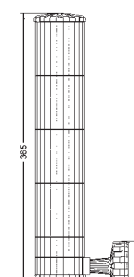
LX2 111 C

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

W

Kg. 0,42

LX2 112 C

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 ELECTRONICA

LX2 B - LUCE A BALLOTTAGGIO

ALTERNATING LIGHT / LUMIERE EN ALTERNANCE / WECHSELBLINKLICHT / LUZ ALTERNADA

V ₁₂₋₂₄₋₁₁₀₋₂₃₀₋₂₄₀ (±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 SELBSTLÖSCHEND AUTOEXTINGUIBLE
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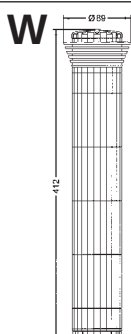
V 	12	24	110	230	240
V 	12	24	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	90	50	45
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	2	2	2
mA lampada LED / LED bulb mA / mA ampoule à LED / 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

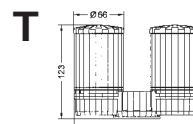


Kg. 0,51



LX2 030 B

LX2030B24DA34	10386
LX2030B230A32	14559
LX2030B230A34	10388

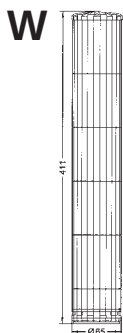


Kg. 0,34



LX2 073 C

LX2073C12D54321	16217
LX2073C24D32614	11234
LX2073C24D35614	14943
LX2073C24A32614	11235
LX2073C110A32614	11242
LX2073C230A32614	11243

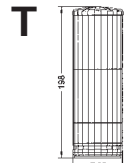


Kg. 0,53



LX2 070 B

LX2070B24DA34	11071
LX2070B110A34	11072
LX2070B240A34	11074

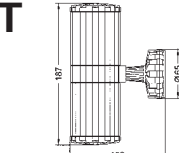


Kg. 0,24



LX2 060 B

LX2060B12DA55	14796
LX2060B24DA22	10946
LX2060B230A22	10948
LX2060B240A22	10949

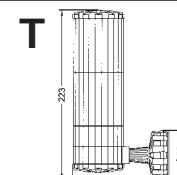


Kg. 0,28



LX2 110 B

LX2110B224DA34	12136
LX2110B2230A34	12138



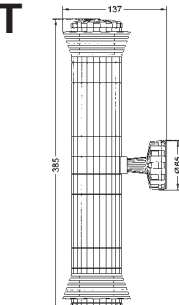
Kg. 0,28



LX2 150 B

IP 40

LX2150B240A22	12854
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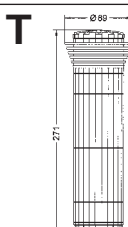
Kg. 0,60



LX2 081 B

IP 40

LX2081B224DA34	11641
LX2081B2230A34	11643



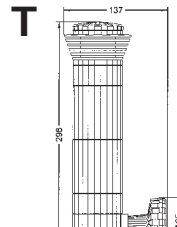
Kg. 0,33



LX2 121 B

IP 40

LX2121B224DA34	12651
LX2121B2230A34	12653

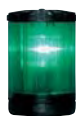


Kg. 0,49

V 12-24-110-230-240 (±10%)		 Ba15d 25W	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	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

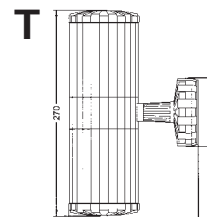

LX3 010 C


Kg. 0,26

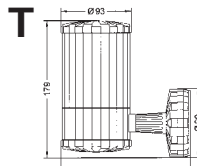
LX3010C12DA1	10060	LX3010C24DA5	10070	LX3010C230A3	10080
LX3010C12DA2	10061	LX3010C24DA6	10071	LX3010C230A4	10081
LX3010C12DA3	10062	LX3010C110A1	10072	LX3010C230A5	10082
LX3010C12DA4	10063	LX3010C110A2	10073	LX3010C230A6	10083
LX3010C12DA5	10064	LX3010C110A3	10074	LX3010C240A1	10084
LX3010C12DA6	10065	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 060 C

LX3060C24DA32	14805
LX3060C24DA35	13347
LX3060C24DA43	14667
LX3060C110A22	10962
LX3060C110A31	14398
LX3060C230A34	16212



Kg. 0,62

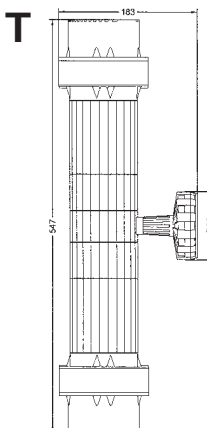

LX3 040 C


Kg. 0,38

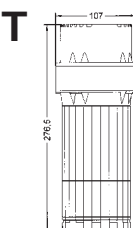
LX3040C24DA3	10618	LX3040C230A3	10630	LX3040C240A5	10638
LX3040C110A2	10623	LX3040C240A2	10635		
LX3040C230A2	10629	LX3040C240A3	10636		


LX3 150 C
IP 30

LX3150C230A35	14887
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Kg. 2,60

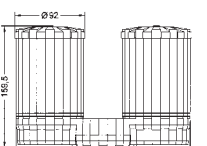

LX3 080 C
IP 30


Kg. 0,95

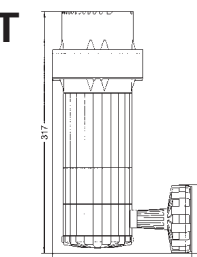
LX3080C12A2	11397	LX3080C24A2	13521	LX3080C230A2	11409
LX3080C12D2	11391	LX3080C24A3	13522	LX3080C230A3	11410
LX3080C24D2	13507	LX3080C110A2	11403	LX3080C230A4	11411
LX3080C24D3	13508	LX3080C110A3	11404	LX3080C230A5	11412
LX3080C24D5	13510	LX3080C110A5	11406	LX3080C240A2	11415
LX3080C24A1	13520	LX3080C110A6	11407		


LX3 030 C

LX3030C24D32	16221
LX3030C24D33	16268
LX3030C24D34	10391
LX3030C24D35	16245
LX3030C24A32	14746
LX3030C230A34	10393
LX3030C230A36	10373
LX3030C240A34	10394



Kg. 0,70

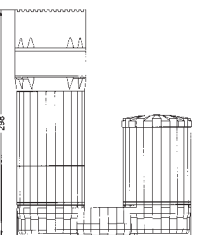

LX3 120 C
IP 30


Kg. 1,30

LX3120C24A3	14062
LX3120C110A3	12426
LX3120C230A2	12431
LX3120C230A3	12432


LX3 160 C
IP 30

LX3160C24D34	12960
LX3160C24A34	12958
LX3160C230A32	12962
LX3160C230A34	14681



Kg. 1,27

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 (±10%)		 Ba15d 25W	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		

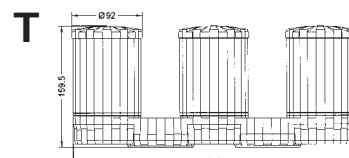
V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	1.8	0.9	0.23	0.11	0.10
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20	20
mA lampada LD 105 / LD 105 bulb mA / 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	LX3031C24A324	10496
LX3031C24D543	14814	LX3031C240A324	10439



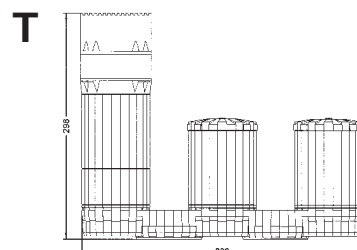
Kg. 1,44



LX3 161 C

IP 30

LX3161C110A324	13022
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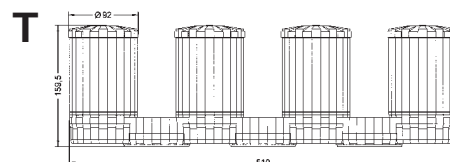


Kg. 2,01



LX3 032 C

LX3032C24D3654	14972
LX3032C24A3214	10506
LX3032C110A5353	14721



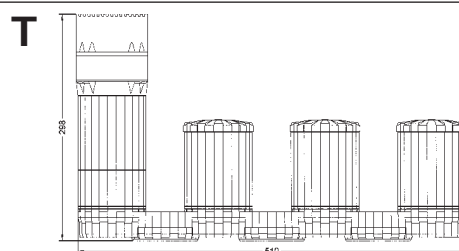
Kg. 1,58



LX3 162 C

IP 30

LX3162C24A3214	13079
LX3162C230A3214	13083

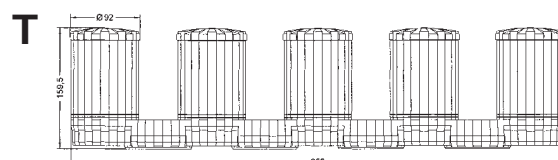


Kg. 2,15



LX3 033 C

LX3033C24D13465	14981
LX3033C24D26431	14744
LX3033C24D32154	10516
LX3033C230A32154	10518



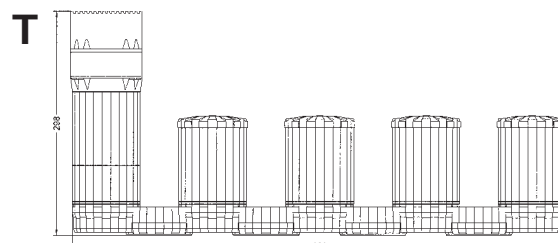
Kg. 2,02



LX3 163 C

IP 30

LX3163C24D32154	13141
LX3163C24A32154	13139
LX3163C230A32154	13143



Kg. 2,59

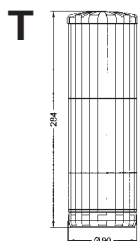
V 12-24-110-230-240 (±10%)		 Ba15d 25W	Ba15d LD ¹⁰⁵ / ₂₀₅		==	 50/60 Hz		
Flash/min. 0 - 110±20		IP ³⁰ / ₅₄		 — / ---		°C -30 +40		On ∞
				PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE		

V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	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 070 C

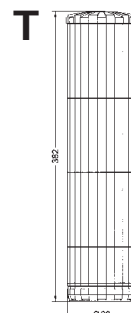
LX3070C24D23	14103
LX3070C24D34	11080
LX3070C24A13	16228
LX3070C24A34	11081
LX3070C24A35	14278
LX3070C110A34	11082
LX3070C110A35	14324
LX3070C230A24	14242
LX3070C230A32	14323
LX3070C230A34	11083



Kg. 0,50


LX3 071 C

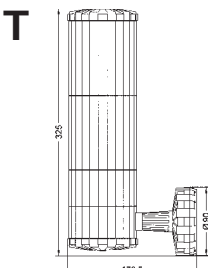
LX3071C24D263	14293
LX3071C24D324	11157
LX3071C24D325	14272
LX3071C24D354	14149
LX3071C24A324	11158
LX3071C24A435	14552
LX3071C24A436	14959
LX3071C110A213	14155
LX3071C110A245	14723
LX3071C110A324	11154
LX3071C230A156	14189
LX3071C230A324	11155
LX3071C230A326	14837
LX3071C240A324	11156
LX3071C240A354	14262



Kg. 0,65


LX3 110 C

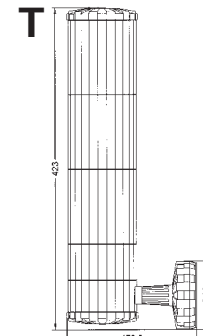
LX3110C24D34	12146
LX3110C110A34	12147
LX3110C230A32	16255



Kg. 0,59


LX3 111 C

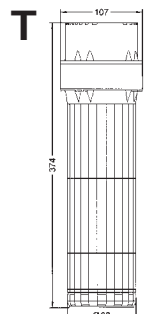
LX3111C24D324	12240
LX3111C24D364	14941
LX3111C110A324	12237
LX3111C230A126	14946
LX3111C230A324	12238
LX3111C230A354	14451



Kg. 0,78


LX3 081 C
IP 30

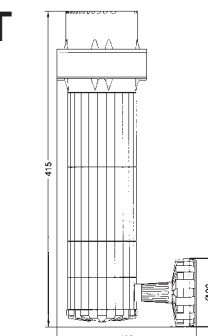
LX3081C24D21	14711
LX3081C24D34	11650
LX3081C24A23	14859
LX3081C24A41	16257
LX3081C230A34	11653
LX3081C230A53	14514



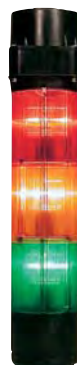
Kg. 1,07


LX3 121 C
IP 30

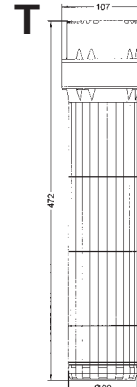
LX3121C24D34	14919
LX3121C24D22	12675
LX3121C240A35	16263



Kg. 1,16


LX3 082 C
IP 30

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 (±10%)		 Ba15d 25W	Ba15d LD ¹⁰⁵ / ₂₀₅	==	 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		<table><tr><td>V — </td><td>12</td><td>24</td><td>110</td><td>230</td><td>240</td></tr></table>		V — 	12	24	110	230	240
V — 	12	24	110	230	240						

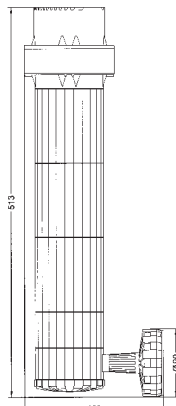
V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A lámpara	1.8	0.9	0.23	0.11	0.10
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	35	25	20	20	20
mA lampada LD 105 / LD 105 bulb mA / mA ampoule LD 105 / 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



IP 30

T



LX3 122 C

LX3122C24A351 14797

Kg. 1,35



IP 30

T



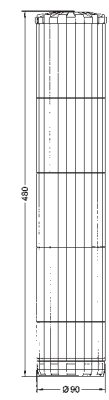
LX3 083 C

LX3083C24D3264 11775
LX3083C24A3264 11776
LX3083C110A1543 14289
LX3083C110A3264 11777
LX3083C110A3464 14876
LX3083C230A3451 14190
LX3083C240A3264 11779

Kg. 1,38



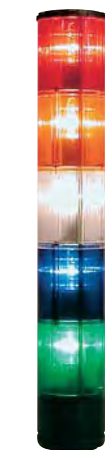
T



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



LX3 073 C

LX3073C24D32614 11236
LX3073C24A32614 11237
LX3073C110A32614 11252

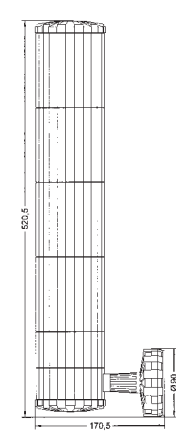
Kg. 0,96



LX3 112 C

LX3112C24D3546 14901
LX3112C110A3264 12302
LX3112C230A3264 12303
LX3112C230A4444 14998
LX3112C230A4631 14726

T



Kg. 0,94



LX3 084 C

IP 30

T



LX3084C24A35432 14737
LX3084C110A32614 11818

Kg. 1,53

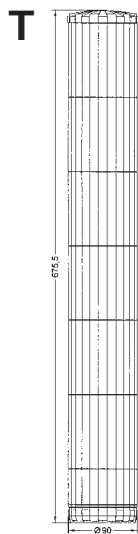
V 12-24-110-230-240 (±10%)		 Ba15d 25W	Ba15d LD ¹⁰⁵ ₂₀₅	==	 50/60 Hz
Flash/min. 0 - 110±20	IP ³⁰ ₅₄		 — / ---	°C -30 +40	On 

	1	2	3	4	5	6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLOSCHEND AUTOEXTINGUIBLE
---	---	---	---	---	---	---	----	--

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

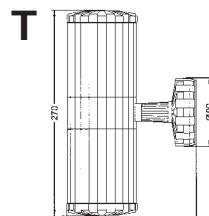
V == ~	12	24	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	80	40	45
dB(A) 1m [DC]	83	82	—	—	—
dB(A) 1m [AC]	86	85	88	88	88
Hz	1000	850	850	850	850


LX3 074 C

LX3074C24A32615 11281
LX3074C230A32615 11283


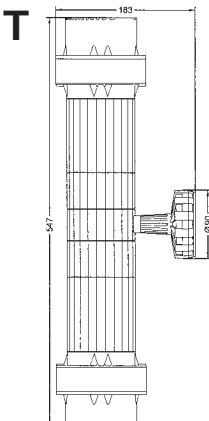
Kg. 1,13


LX3 060 B

LX3060B24DA22 10966
LX3060B110A33 16207
LX3060B230A22 10968
LX3060B240A55 16252


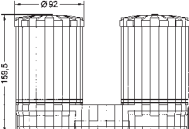
Kg. 0,62


LX3 150 B

LX3150B24DA22 12871
LX3150B230A22 12873


Kg. 2,60

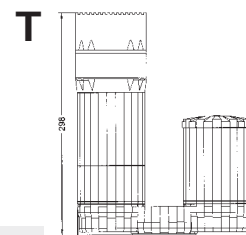

LX3 030 B

LX3030B24DA55 14849
LX3030B240A34 10399


Kg. 0,70


LX3 160 B

LX3160B24DA34 12971
LX3160B230A34 12973

IP 30


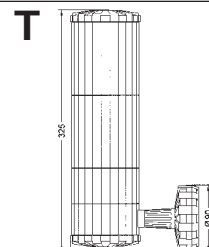
Kg. 1,27


LX3 070 B

LX3070B24DA23 14150
LX3070B24DA34 11086
LX3070B230A34 11088
LX3070B230A35 14388


Kg. 0,50

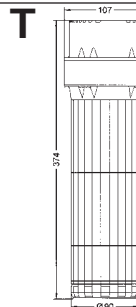

LX3 110 B

LX3110B24DA34 12151
LX3110B230A34 12153
LX3110B230A51 14392


Kg. 0,59


LX3 081 B

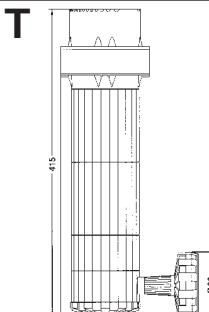
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LX3081B230A34 11658

IP 30


Kg. 1,07


LX3 121 B

LX3121B24DA34 12661
LX3121B230A34 12663

IP 30


Kg. 1,16

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

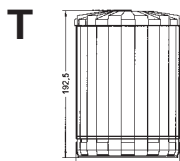
V 12-24-110-230-240 (±10%)		 Ba15d 40W	Ba15d LD ¹⁰⁵ / ₂₀₅		==	 50/60 Hz	
Flash/min. 0 - 110±20		IP ³⁰ / ₅₄		 — / ---		°C -30 +40	
				PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

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



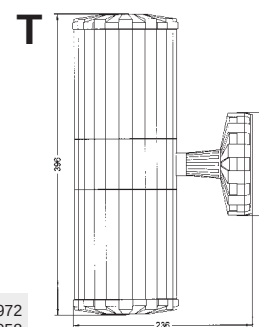
Kg. 0,54

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



LX4 060 C

LX4060C110A22	10972
LX4060C110A35	14958
LX4060C230A43	10975
LX4060C240A34	14658

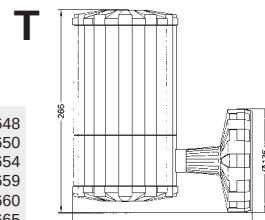


Kg. 1,72



LX4 040 C

LX4040C24DA3	10648
LX4040C24DA5	10650
LX4040C110A3	10654
LX4040C230A2	10659
LX4040C230A3	10660
LX4040C240A2	10665
LX4040C240A3	10666
LX4040C240A4	10667



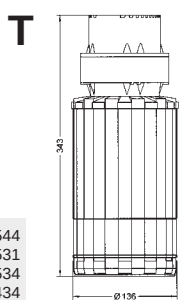
Kg. 0,86



LX4 080 C

IP 30

LX4080C24A5	13544
LX4080C24D2	13531
LX4080C24D5	13534
LX4080C110A3	11434
LX4080C230A3	11440
LX4080C240A3	11446



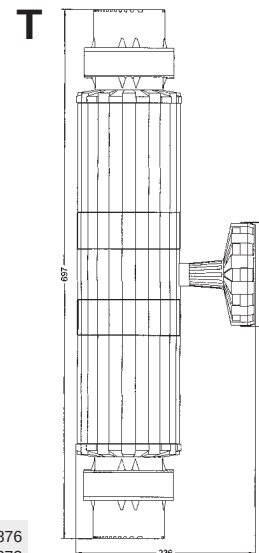
Kg. 1,50



LX4 150 C

IP 30

LX4150C24A22	12876
LX4150C24D34	16272
LX4150C230A22	12878
LX4150C230A34	16273



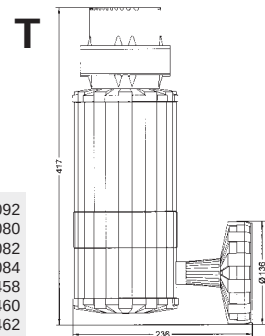
Kg. 3,59



LX4 120 C

IP 30

LX4120C24A3	14092
LX4120C24D1	14080
LX4120C24D3	14082
LX4120C24D5	14084
LX4120C110A5	12458
LX4120C230A1	12460
LX4120C230A3	12462
LX4120C230A4	12463
LX4120C230A5	12464

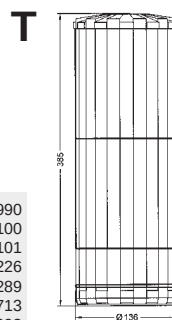


Kg. 1,79



LX4 070 C

LX4070C24D32	14990
LX4070C24D34	11100
LX4070C24A34	11101
LX4070C24A35	16226
LX4070C110A23	16289
LX4070C230A13	14713
LX4070C230A34	11093
LX4070C230A61	14714
LX4070C240A34	11094



Kg. 0,98

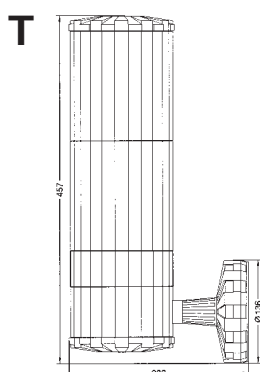
V 12-24-110-230-240 (±10%)		 Ba15d 40W	Ba15d LD ¹⁰⁵ ₂₀₅	==	 50/60 Hz						
Flash/min. 0 - 110±20	IP ³⁰ ₅₄		 — / ---	°C -30 +40	On ∞						
 1 2 3 4 5 6 / PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE		<table><tr><td></td><td>12</td><td>24</td><td>110</td><td>230</td><td>240</td></tr></table>			12	24	110	230	240
	12	24	110	230	240						

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 110 C

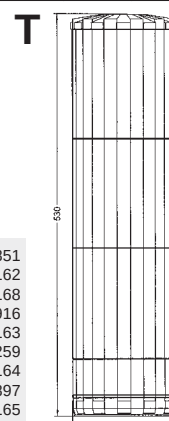
LX4110C110A23	16293
LX4110C230A34	12163



Kg. 1,34


LX4 071 C

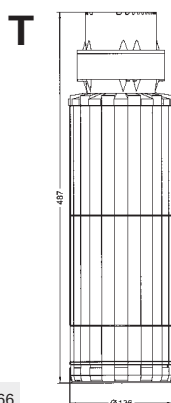
LX4071C24D156	14851
LX4071C24D324	11162
LX4071C24D354	14168
LX4071C24D654	14916
LX4071C24A324	11163
LX4071C24A354	16259
LX4071C110A324	11164
LX4071C110A532	14897
LX4071C230A324	11165
LX4071C230A345	14231
LX4071C240A324	11166



Kg. 1,30


LX4 081 C
IP 30

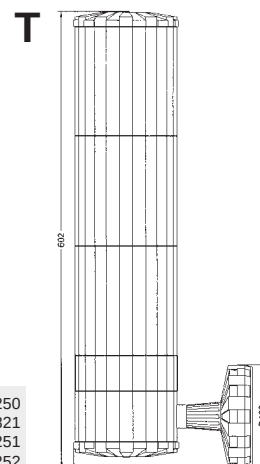
LX4081C24A34	11666
LX4081C110A34	11662
LX4081C230A34	11663



Kg. 1,76


LX4 111 C

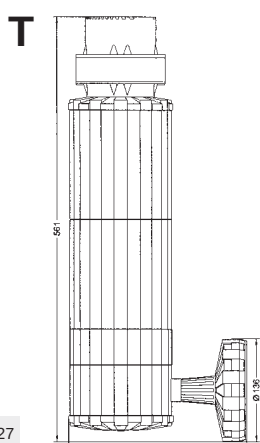
LX4111C24D324	12250
LX4111C24A321	14821
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Kg. 1,66


LX4 121 C
IP 30

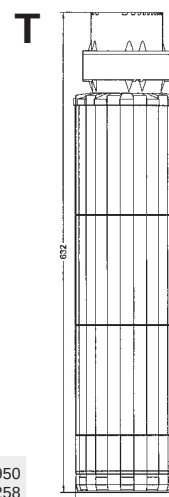
LX4121C24D15	16227
LX4121C24D34	12677
LX4121C24D51	16239
LX4121C24A34	12678



Kg. 2,08


LX4 082 C
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 (±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		

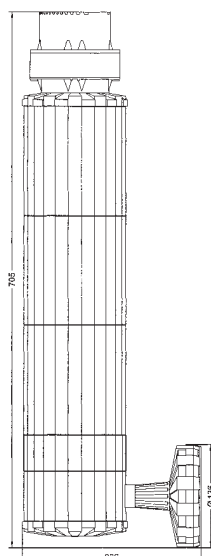
V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / 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



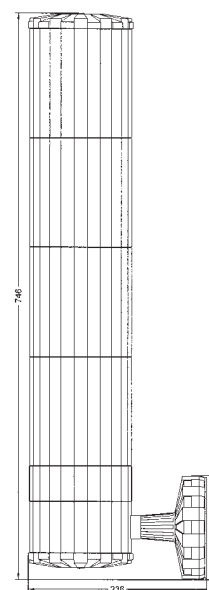
LX4 122 C

LX4122C24D314 14865
LX4122C230A453 16237

Kg. 2,40



T



LX4 112 C

LX4112C110A3541 14991
LX4112C230A3264 12313

Kg. 1,98



T



LX4 072 C

Kg. 1,62



IP 30

T



LX4 083 C

LX4083C230A3264 11783

Kg. 2,40

LX4072C24D4153 16220 LX4072C24D5324 14288 LX4072C110A3264 11207
LX4072C24D3241 14511 LX4072C24A4231 16248 LX4072C230A3264 11208

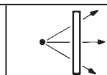
LX4 C - LUCE LAMPEGGIANTE O FISSA PILOTATA ELETTRONICAMENTE

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

REFLEXIONEN LICHT / EMISSIONEN REFLEXIONEN / REFLECTIONS LIGHT / EMISSIONS REFLECTIONS					
V12-24-110-230-240 (±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

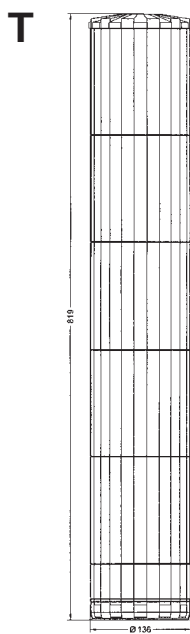
V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / 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



LX4 073 C

LX4073C24A12345 14728
LX4073C230A35614 14619

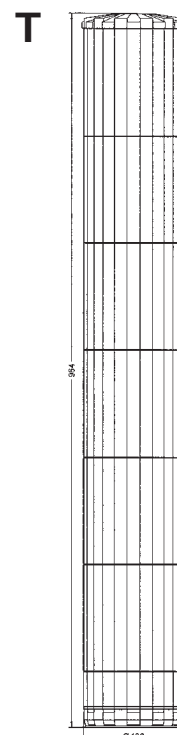


Kg. 1,95



LX4 074 C

LX4074C110A326154 11287
LX4074C230A326154 11288



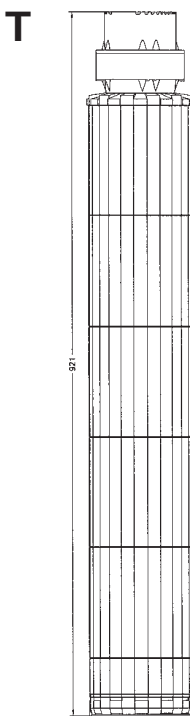
Kg. 2,27



LX4 084 C

IP 30

LX4084C24A32614 11831

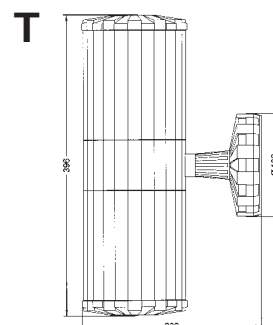


Kg. 2,72



LX4 060 B

LX4060B24DA22 10981
LX4060B230A22 10983
LX4060B230A36 14669

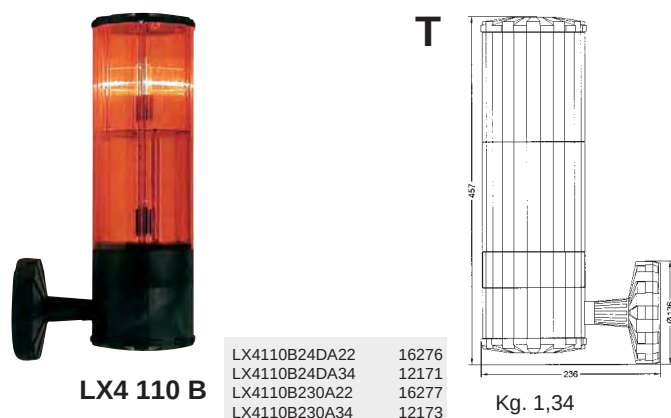
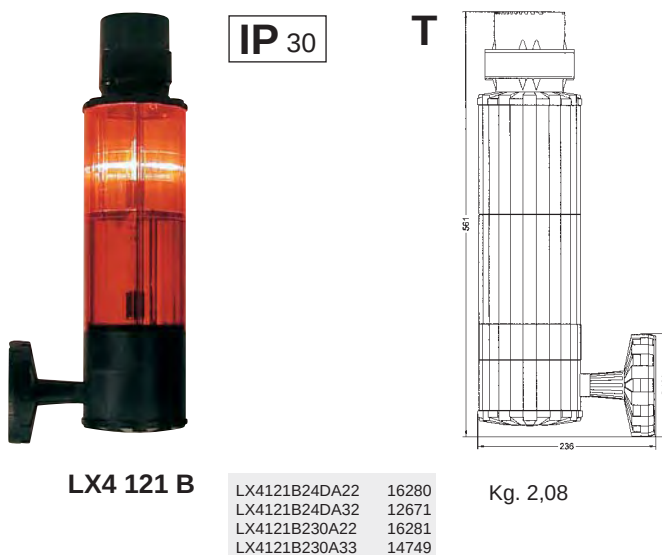
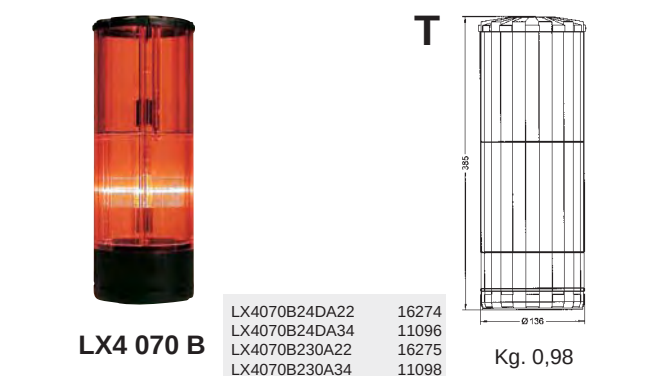
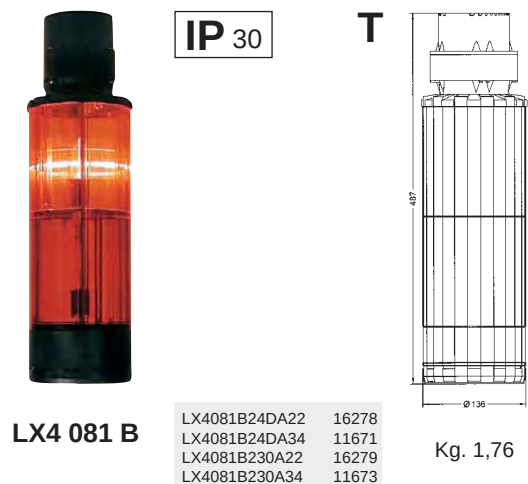
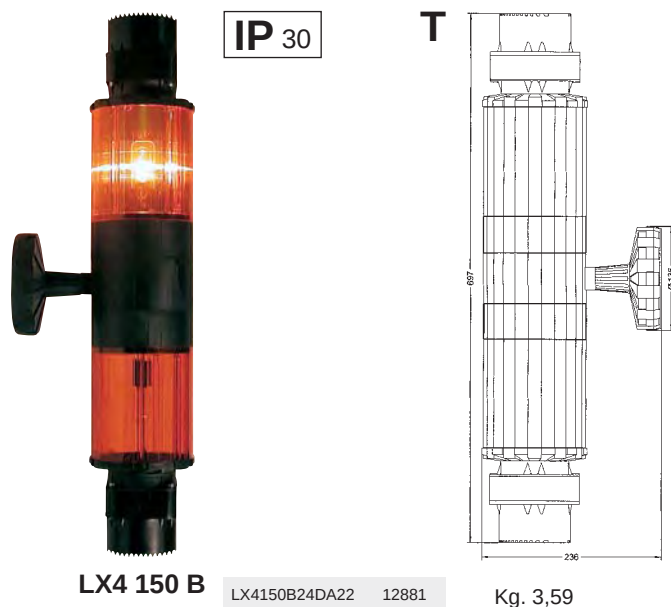


Kg. 1,72

V 12-24-110-230-240 (±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 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



V 12-24-48-110-230-240 (±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	

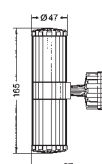
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	330	130	95	35	25	20
Cd(p) elemento luminoso Luminous element Cd(p) / Cd(p) élément lumineux Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	3	2	2	2
mA lampada LED LED bulb mA / mA ampoule 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					


LX1 010 F
T


Kg. 0,08

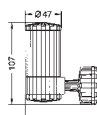

LX1 060 F

LX1060F24DA12	14861
LX1060F24DA22	10991
LX1060F24DA33	14917
LX1060F24DA34	14343
LX1060F24DA55	14896
LX1060F230DA43	14858
LX1060F240DA34	14631

T


Kg. 0,17

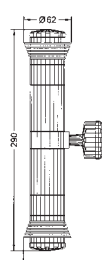
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LX1010F12DA2	10121	LX1010F48DA3	10134	LX1010F230DA4	10147
LX1010F12DA3	10122	LX1010F48DA4	10135	LX1010F230DA5	10148
LX1010F12DA4	10123	LX1010F48DA5	10137	LX1010F230DA6	10149
LX1010F12DA5	10124	LX1010F48DA6	10136	LX1010F240DA1	10150
LX1010F12DA6	10125	LX1010F110DA1	10138	LX1010F240DA2	10151
LX1010F24DA1	10126	LX1010F110DA2	10139	LX1010F240DA3	10152
LX1010F24DA2	10127	LX1010F110DA3	10140	LX1010F240DA4	10153
LX1010F24DA3	10128	LX1010F110DA4	10141	LX1010F240DA5	10154
LX1010F24DA4	10129	LX1010F110DA5	10142	LX1010F240DA6	10155
LX1010F24DA5	10130	LX1010F110DA6	10143		
LX1010F24DA6	10131	LX1010F230DA1	10144		
LX1010F48DA1	10132	LX1010F230DA2	10145		


LX1 040 F
T


Kg. 0,11

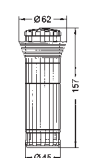

LX1 150 F
IP 40

LX1150F24DA22	12891
LX1150F230DA22	12894

T


Kg. 0,35

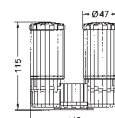
LX1040F24DA2	10677	LX1040F24DA4	10679	LX1040F110DA3	10690
LX1040F24DA3	10678	LX1040F24DA5	10680	LX1040F230DA3	10696


LX1 080 F
IP 40
W


Kg. 0,18


LX1 030 F

LX1030F12DA22	16250
LX1030F24DA26	14915
LX1030F24DA22	16254
LX1030F24DA32	14885
LX1030F24DA34	10401
LX1030F24DA55	14853
LX1030F230DA34	10404
LX1030F240DA34	10405

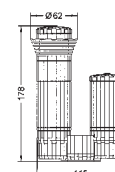
T


Kg. 0,2

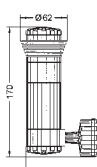
LX1080F12DA3	11452	LX1080F24DA5	11460	LX1080F110DA3	11470
LX1080F24DA2	11457	LX1080F48DA2	11463	LX1080F110DA5	11472
LX1080F24DA3	11458	LX1080F110DA2	11469	LX1080F240DA2	11481


LX1 160 F
IP 40

LX1160F24DA34	12981
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T


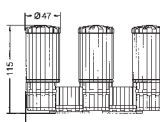
Kg. 0,30


LX1 120 F
IP 40
T


Kg. 0,19


LX1 031 F

LX1031F24DA324	10441
LX1031F24DA346	14850
LX1031F110DA324	10443

T


Kg. 0,31

LX1120F230DA5	12503
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LX1 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRONICA

V12-24-48-110-230-240 (±10%)		 Ba9s 4W	Ba9s LD 103		 50/60 Hz
Flash/min. 0	IP ⁴⁰ ₅₄		 —	°C -30 +40	On 

	     	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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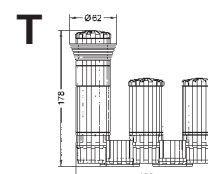
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	330	130	95	35	25	20
Cd(p) elemento luminoso Luminous element Cd(p) / Cd(p) élément lumineux Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	3	2	2	2
mA lampada LED LED bulb mA / mA ampoule 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					



LX1 161 F

IP 40

LX1161F24DA324 13031

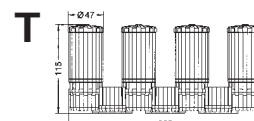


Kg. 0,41



LX1 032 F

LX1032F24DA3214 10476
LX1032F48DA3214 10477



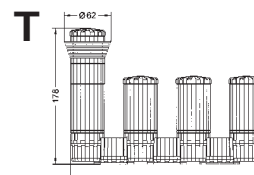
Kg. 0,44



LX1 162 F

IP 40

LX1162F24DA3214 13091
LX1162F230DA3214 13094

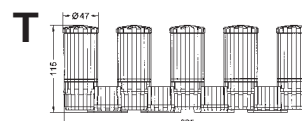


Kg. 0,53



LX1 033 F

LX1033F24DA32154 10521



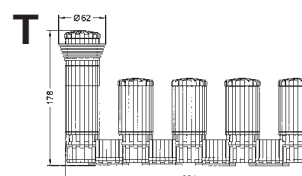
Kg. 0,57



LX1 163 F

IP 40

LX1163F110DA32154 13153

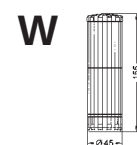


Kg. 0,66



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



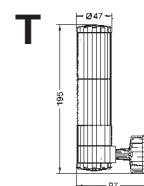
Kg. 0,14

V 12-24-48-110-230-240 (±10%)		 Ba9s 4W	Ba9s LD 103		 50/60 Hz
Flash/min. 0	IP 40 54		 —	°C -30 +40	On ∞
			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					


LX1 110 F

LX1110F12DA34	12180	LX1110F110DA34	12183
LX1110F24DA32	14730	LX1110F230DA34	12184
LX1110F24DA34	12181	LX1110F240DA34	12185



Kg. 0,19


IP 40
LX1 081 F

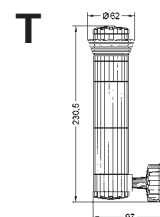
LX1081F24DA34	11681	LX1081F110DA55	14898
LX1081F110DA34	11683	LX1081F240DA34	11685



Kg. 0,22


IP 40
LX1 121 F

LX1121F12DA34	12680
LX1121F24DA12	16232
LX1121F24DA32	14873
LX1121F24DA34	12681



Kg. 0,21


LX1 071 F

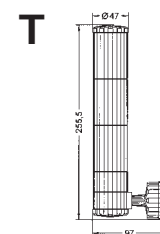
LX1071F12DA346	14377	LX1071F24DA354	14770
LX1071F24DA163	14760	LX1071F24DA543	14296
LX1071F24DA321	14789	LX1071F110DA324	11170
LX1071F24DA324	11168	LX1071F230DA324	11171
LX1071F24DA332	14886	LX1071F230DA634	14904
LX1071F24DA346	14414	LX1071F240DA324	11172
LX1071F24DA351	14894	LX1071F240DA354	14715



Kg. 0,22


LX1 111 F

LX1111F24DA324	12261
LX1111F110DA324	12263
LX1111F230DA324	12264
LX1111F240DA324	12265



Kg. 0,27

V 12-24-48-110-230-240 (±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	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	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					

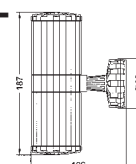

LX2 010 F
T


Kg. 0,13

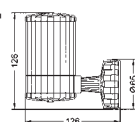
LX2010F12DA1	10156	LX2010F48DA1	10168	LX2010F230DA1	10180
LX2010F12DA2	10157	LX2010F48DA2	10169	LX2010F230DA2	10181
LX2010F12DA3	10158	LX2010F48DA3	10170	LX2010F230DA3	10182
LX2010F12DA4	10159	LX2010F48DA4	10171	LX2010F230DA4	10183
LX2010F12DA5	10160	LX2010F48DA5	10172	LX2010F230DA5	10184
LX2010F12DA6	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


LX2 060 F

LX2060F12DA34	14860
LX2060F24DA22	11001
LX2060F24DA34	14889
LX2060F24DA43	14848
LX2060F230DA13	16260
LX2060F230DA22	11004
LX2060F230DA34	14202
LX2060F240DA22	11005
LX2060F240DA34	14862

T


Kg. 0,27

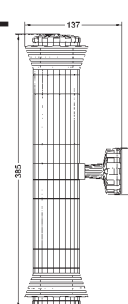

LX2 040 F
T


Kg. 0,16

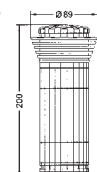
LX2040F24DA2	10713	LX2040F110DA3	10726	LX2040F240DA5	10740
LX2040F24DA4	10715	LX2040F230DA3	10732		
LX2040F24DA5	10716	LX2040F230DA6	10735		


LX2 150 F
IP 40

LX2150F24DA22	12901
LX2150F230DA22	12904

T


Kg. 0,44

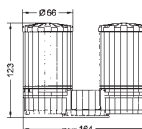

LX2 080 F
IP 40
W


Kg. 0,31

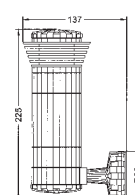
LX2080F12DA3	11492	LX2080F110DA2	11509	LX2080F230DA3	11516
LX2080F24DA2	11497	LX2080F110DA3	11510	LX2080F240DA3	11522
LX2080F24DA3	11498	LX2080F110DA5	11512		
LX2080F24DA5	11500	LX2080F230DA2	11515		


LX2 030 F

LX2030F24DA34	10411
LX2030F24DA42	14556
LX2030F230DA34	10414
LX2030F240DA34	10415

T


Kg. 0,33

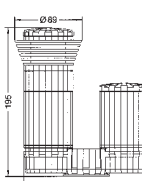

LX2 120 F
IP 40
T


Kg. 0,26

LX2120F24DA3	12523
LX2120F230DA3	12541


LX2 160 F
IP 40

LX2160F24DA34	12987
LX2160F230DA34	12990

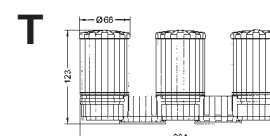
T


Kg. 0,49

V 12-24-48-110-230-240 (±10%)		 Ba9s 10W	Ba9s LD 103		 50/60 Hz
Flash/min. 0	IP 40 54			°C -30 +40	On ∞
			PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE	

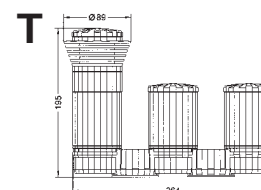
V 	12	24	48	110	230	240
V 	12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	880	410	210	90	50	45
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	3	3	8	2	2	2
mA lampada LED / LED bulb mA / mA 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 031 F

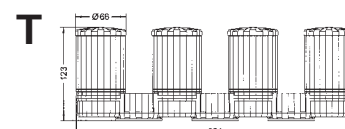
LX2031F24DA324 10447
LX2031F230DA324 10450

Kg. 0,54

LX2 161 F
IP 40

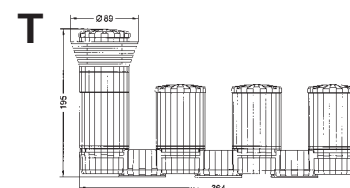
LX2161F230DA324 13044


Kg. 0,74

LX2 032 F

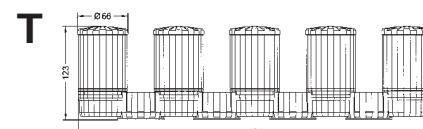
LX2032F24DA3214 10482
LX2032F230DA3215 14808
LX2032F240DA3214 10486

Kg. 0,75

LX2 162 F
IP 40

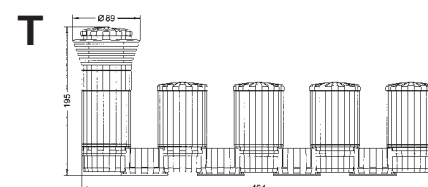
LX2162F24DA3214 13101
LX2162F230DA3214 13104

Kg. 0,91

LX2 033 F

LX2033F24DA32154 10531


Kg. 0,96

LX2 163 F
IP 40

LX2163F23DA32154 13161
LX2163F230DA32154 13164

Kg. 1,12

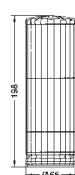
V12-24-48-110-230-240 (±10%)			 Ba9s 10W		Ba9s LD 103				 50/60 Hz		
Flash/min. 0		IP 40 54				 —		°C −30 +40		On ∞	
				PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE					

V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
mA lampada / Bulb mA / mA ampoule / mA Leuchtmittel / mA lámpara	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 070 F

W



Kg. 0,28



LX2 071 F

W



Kg. 0,35

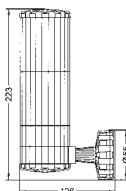
LX2070F12DA34	11120	LX2070F24DA36	14852	LX2070F230DA33	14908
LX2070F24DA12	14161	LX2070F24DA42	14106	LX2070F230DA34	11124
LX2070F24DA23	14109	LX2070F24DA56	14921	LX2070F240DA32	14117
LX2070F24DA31	14183	LX2070F110DA34	11123	LX2070F240DA34	11125
LX2070F24DA34	11121	LX2070F230DA22	14884		
LX2070F24DA35	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



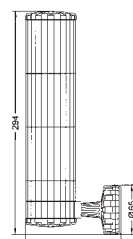
Kg. 0,26

LX2110F12DA34	12190
LX2110F24DA32	14406
LX2110F24DA34	12191
LX2110F24DA41	14775
LX2110F230DA34	12194
LX2110F230DA35	16218
LX2110F230DA42	14405
LX2110F240DA34	12195
LX2110F240DA42	16265



LX2 111 F

T



Kg. 0,34

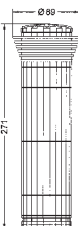
LX2111F12DA146	14971
LX2111F12DA354	14854
LX2111F24DA324	12267
LX2111F24DA452	16267
LX2111F110DA312	16222
LX2111F110DA324	12269
LX2111F110DA345	14706
LX2111F230DA324	12270
LX2111F230DA345	14869



LX2 081 F

LX2081F24DA23	14368
LX2081F24DA24	14708
LX2081F24DA34	11691
LX2081F24DA35	14434
LX2081F24DA36	14864
LX2081F48DA32	14934
LX2081F110DA34	11693
LX2081F110DA55	14899
LX2081F230DA34	11694
LX2081F240DA34	11695

W



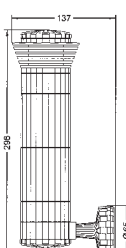
Kg. 0,37



LX2 121 F

IP 40

T



Kg. 0,47

LX2121F24DA34	12687
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LX2 082 F

IP 40

W



Kg. 0,42

LX2082F24DA314	14670
LX2082F24DA324	11741
LX2082F24DA351	14724
LX2082F24DA354	14533
LX2082F110DA324	11743
LX2082F230DA324	11744
LX2082F230DA354	14856

LX2 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

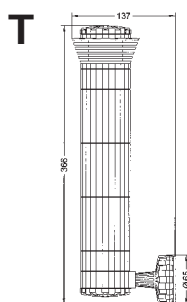
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V 12-24-48-110-230-240 (±10%)		 Ba9s 10W	Ba9s LD 103		 50/60 Hz
Flash/min. 0	IP 40 54			°C -30 +40	On ∞
			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	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					



IP 40



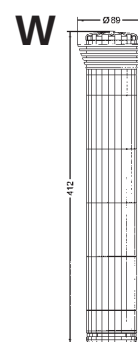
LX2 122 F

LX2122F24DA324	12736
LX2122F230DA324	12739

Kg. 0,54



IP 40



LX2 083 F

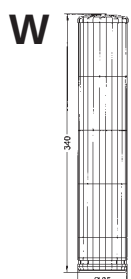
LX2083F24DA1623	14794
LX2083F24DA3214	14601
LX2083F24DA3264	11786
LX2083F24DA3416	14738
LX2083F48DA1423	14449
LX2083F110DA2564	14736
LX2083F110DA4123	16243

Kg. 0,47



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

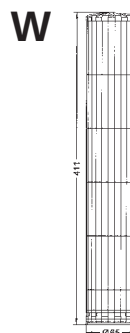


Kg. 0,41



LX2 073 F

LX2073F24DA16354	14502
LX2073F24DA32614	11261
LX2073F24DA55555	14727
LX2073F24DA66666	14924
LX2073F110DA32614	11263
LX2073F110DA53435	14257
LX2073F230DA32614	11264

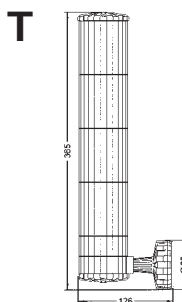


Kg. 0,48



LX2 112 F

LX2112F24DA3546	14620
LX2112F230DA3215	14942



Kg. 0,41

V 12-24-48-110-230-240 (±10%)			 Ba15d 25W	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	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

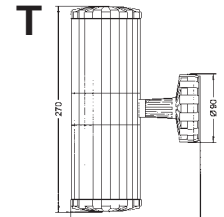

LX3 010 F


Kg. 0,23

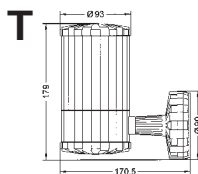
LX3010F24DA1	10200	LX3010F48DA6	10211	LX3010F230DA5	10222
LX3010F24DA2	10201	LX3010F110DA1	10212	LX3010F230DA6	10223
LX3010F24DA3	10202	LX3010F110DA2	10213	LX3010F240DA1	10224
LX3010F24DA4	10203	LX3010F110DA3	10214	LX3010F240DA2	10225
LX3010F24DA5	10204	LX3010F110DA4	10215	LX3010F240DA3	10226
LX3010F24DA6	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

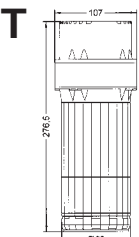


Kg. 0,61


LX3 040 F


Kg. 0,36

LX3040F12DA3	10752	LX3040F230DA5	10778	LX3040F48DA2	10763
LX3040F24DA4	10759	LX3040F240DA4	10783		
LX3040F230DA3	10776	LX3040F240DA6	10785		

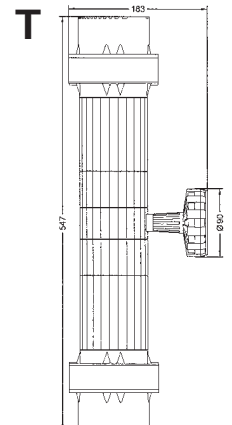

LX3 080 F
IP 30


Kg. 0,92

LX3080F24DA2	11537	LX3080F110A2	11549	LX3080F230A3	11556
LX3080F24DA3	11538	LX3080F110A3	11550	LX3080F240A2	11561


LX3 150 F
IP 30

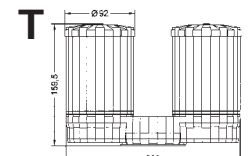
LX3150F24DA22	12907
LX3150F230A22	11910



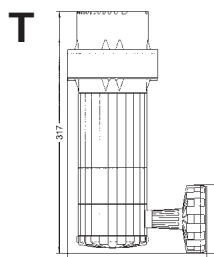
Kg. 2,00


LX3 030 F

LX3030F230DA33	14616
LX3030F230DA34	10420



Kg. 0,65

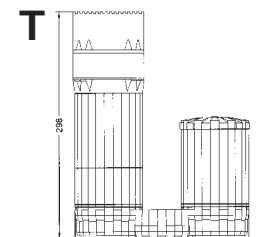

LX3 120 F
IP 30


Kg. 1,00

LX3120F24DA2	12562
LX3120F24DA3	12563
LX3120F230A2	12580
LX3120F230A3	12581


LX3 160 F
IP 30

LX3160F24DA32	14747
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Kg. 1,22

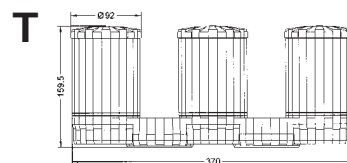
V12-24-48-110-230-240 (±10%)		 Ba15d 25W	Ba15d LD ¹⁰⁵ ₂₀₅			 50/60 Hz
Flash/min. 0		IP ³⁰ ₅₄		 — / ---	°C -30 +40	On ∞
					PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE

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

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

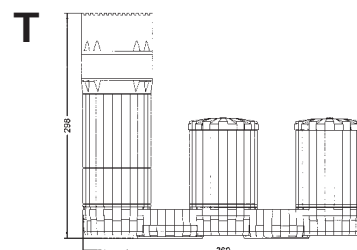

LX3 031 F

LX3031F24DA324	10453	LX3031F110DA354	14564
LX3031F24DA354	14621	LX3031F230DA324	10456
LX3031F110DA315	16202	LX3031F240DA324	10457
LX3031F110DA324	10455		


Kg. 1,07

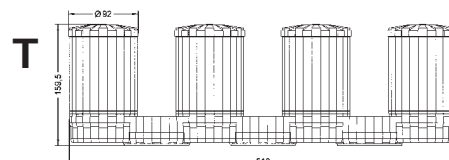
LX3 161 F
IP 30

LX3161F24DA324	13051
LX3161F230A324	13054


Kg. 1,64

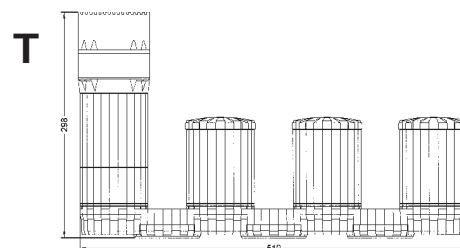
LX3 032 F

LX3032F12DA3214	10487
LX3032F24DA3214	10488
LX3032F110DA3214	10490


Kg. 1,48

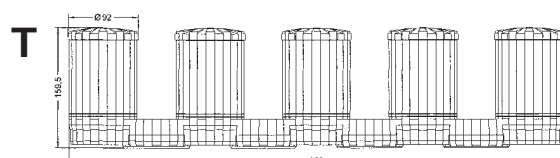
LX3 162 F
IP 30

LX3162F24DA3214	13111
LX3162F230A3214	13114


Kg. 2,05

LX3 033 F

LX3033F24DA32154	10537
LX3033F230DA32154	10540


Kg. 1,74

V 12-24-48-110-230-240 (±10%)		 Ba15d 25W	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	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

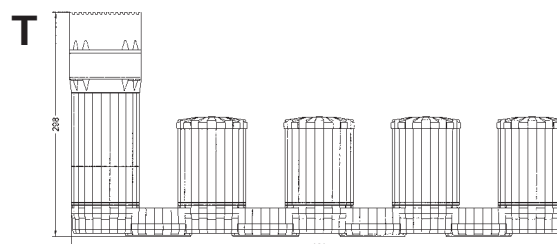
V == ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



LX3 163 F

IP 30

LX3163F24DA32154 13167
LX3163F230A32154 13170

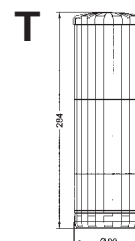


Kg. 2,31



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

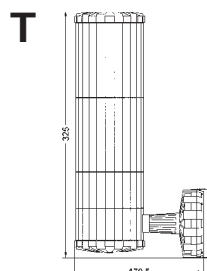


Kg. 0,48



LX3 110 F

LX3110F24DA34	12197	LX3110F230DA35	14812
LX3110F110DA23	16210	LX3110F240DA34	12201
LX3110F110DA34	12199	LX3110F240DA53	14824
LX3110F230DA34	12200	LX3110F240DA56	14912



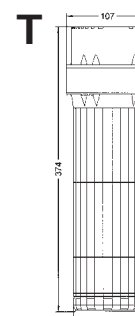
Kg. 0,57



LX3 081 F

IP 30

LX3081F24DA34	11701
LX3081F110A32	16291
LX3081F110A34	11703
LX3081F240A34	11705
LX3081F240A35	14928

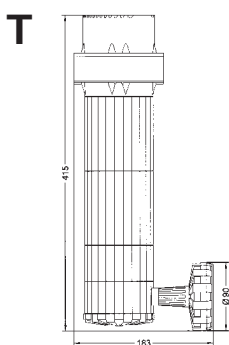


Kg. 1,05

V12-24-48-110-230-240 (±10%)		 Ba15d 25W		Ba15d LD ¹⁰⁵ ₂₀₅				 50/60 Hz			
Flash/min. 0		IP ³⁰ ₅₄				 —		°C −30 +40		On ∞	
				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

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 121 F

LX3121F230A34 12696

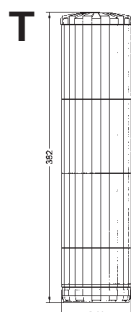
Kg. 1,14


IP 30

LX3 082 F

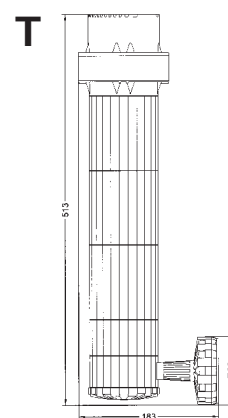
LX3082F24DA324 11751
LX3082F110A324 11753

Kg. 1,20


LX3 071 F

Kg. 0,63

LX3071F24DA221	14622	LX3071F24DA435	14223	LX3071F240DA324	11185
LX3071F24DA241	14264	LX3071F24DA642	14261	LX3071F240DA354	14718
LX3071F24DA315	14754	LX3071F48DA324	11182	LX3071F240DA666	14957
LX3071F24DA324	11181	LX3071F110DA324	11183		
LX3071F24DA413	14526	LX3071F230DA324	11184		

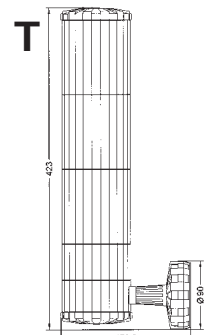

IP 30

LX3 122 F

LX3122F230A425 16219

Kg. 1,33


LX3 111 F

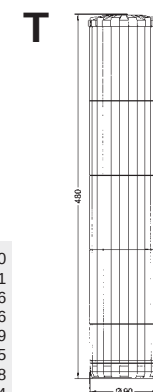
LX3111F24DA324	12273
LX3111F24DA354	14956
LX3111F24DA413	14528
LX3111F110DA324	12275
LX3111F110DA354	16235
LX3111F230DA324	12276
LX3111F230DA354	14893
LX3111F240DA324	12277
LX3111F240DA354	16236



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

LX3 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRONICA

V 12-24-48-110-230-240 (±10%)			 Ba15d 25W	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 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

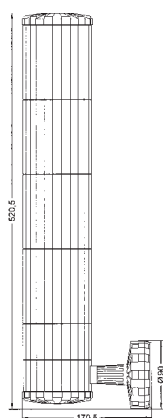
V == ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850



LX3 112 F

LX3112F24DA3264	12327
LX3112F48DA3261	14463
LX3112F230DA1623	14967
LX3112F230DA3264	12330
LX3112F240DA3264	12331

T



Kg. 0,92

IP 30



LX3 084 F

LX3084F24DA32614	11836
LX3084F230A32614	11839

Kg. 1,51

T



LX3 083 F

LX3083F24DA1234	14382
LX3083F24DA3264	11801
LX3083F24DA3514	14838

T



Kg. 1,36

IP 30



LX3 073 F

LX3073F24DA32614	11267
LX3073F24DA35541	14933
LX3073F230DA32614	11270
LX3073F230DA53535	14772
LX3073F240DA62626	14779
LX3073F240DA65656	14776

T



Kg. 0,94

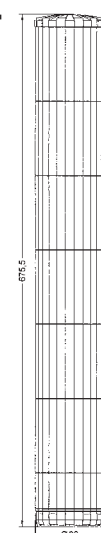


LX3 074 F

LX3074F24DA32615	11291
LX3074F48DA32615	11292
LX3074F110DA32615	11293
LX3074F230DA32615	11294
LX3074F240DA32615	11295

Kg. 1,10

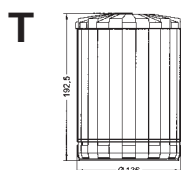
T



V12-24-48-110-230-240 (±10%)			 Ba15d 40W		Ba15d LD ¹⁰⁵ ₂₀₅				 50/60 Hz		
Flash/min. 0		IP ³⁰ ₅₄						°C -30 +40		On ∞	
				PC		AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE					

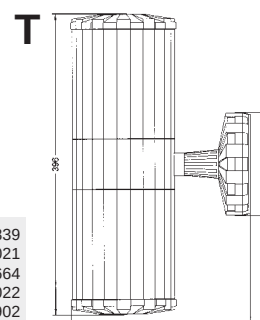
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 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

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 010 F


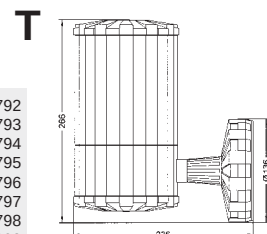
Kg. 0,51

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		


LX4 060 F


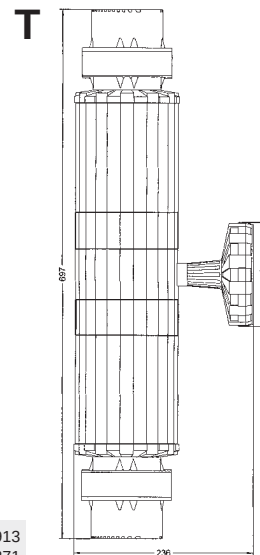
Kg. 1,67

LX4060F12DA34	14839
LX4060F24DA22	11021
LX4060F24DA34	14664
LX4060F48DA22	11022
LX4060F48DA66	14902
LX4060F110A31	14970
LX4060F230DA22	11024
LX4060F230DA34	14310


LX4 040 F


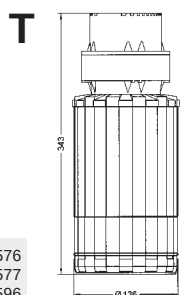
Kg. 0,84

LX4040F24DA1	10792
LX4040F24DA2	10793
LX4040F24DA3	10794
LX4040F24DA4	10795
LX4040F24DA5	10796
LX4040F24DA6	10797
LX4040F48DA1	10798
LX4040F110DA5	10808
LX4040F240DA3	10818


LX4 150 F


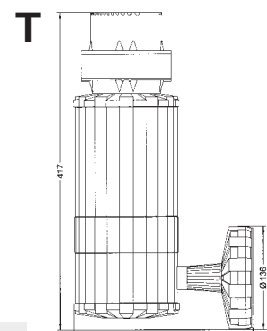
Kg. 3,52

LX4150F24DA22	12913
LX4150F24DA34	16271
LX4150F230A22	12916
LX4150F230A34	16270


LX4 080 F
IP 30


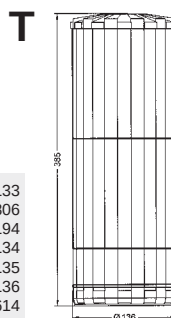
Kg. 1,48

LX4080F24DA1	11576
LX4080F24DA2	11577
LX4080F230A3	11596
LX4080F240A3	11602


LX4 120 F
IP 30


Kg. 1,76

LX4120F110A2	12610
LX4120F230A2	12616


LX4 070 F


Kg. 0,95

LX4070F24DA34	11133
LX4070F24DA36	14806
LX4070F24DA55	14194
LX4070F48DA34	11134
LX4070F110DA34	11135
LX4070F230DA34	11136
LX4070F230DA35	14614
LX4070F230DA54	14923
LX4070F230DA56	14791
LX4070F240DA34	11137

V 12-24-48-110-230-240 (±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			

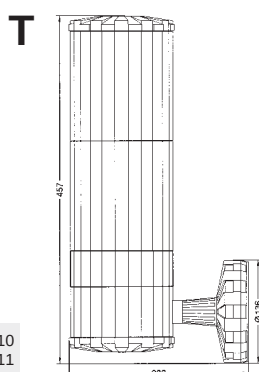
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 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 acoustica [DC]	180	90	-	-	-	-
mA acustica [AC] / Acoustics mA [AC] / mA acoustica [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 110 F

LX4110F12DA34	12210
LX4110F24DA34	12211
LX4110F110DA34	12213
LX4110F230DA34	12214
LX4110F240DA34	12215

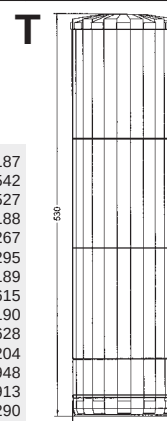


Kg. 1,31



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



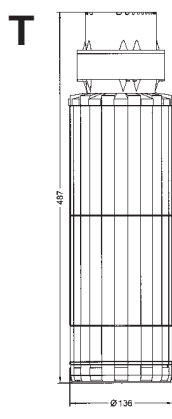
Kg. 1,27



LX4 081 F

IP 30

LX4081F240A34	11715
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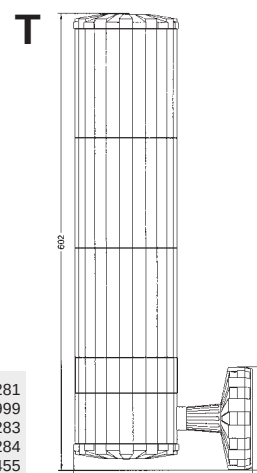


Kg. 1,73



LX4 111 F

LX4111F24DA324	12281
LX4111F24DA354	14999
LX4111F110DA324	12283
LX4111F230DA324	12284
LX4111F230DA354	14455
LX4111F240DA143	16229
LX4111F240DA543	16225



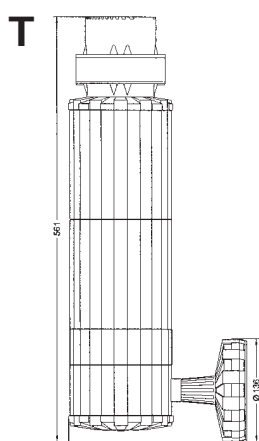
Kg. 1,63



LX4 121 F

IP 30

LX4121F24DA34	12701
LX4121F230A34	12704



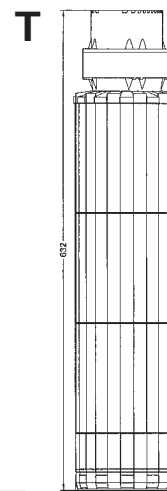
Kg. 2,05



LX4 082 F

IP 30

LX4082F24DA324	11761
LX4082F230A324	11764



Kg. 2,05

**LUXOR****LX4 F - LUCE FISSA SENZA ELETTRONICA**

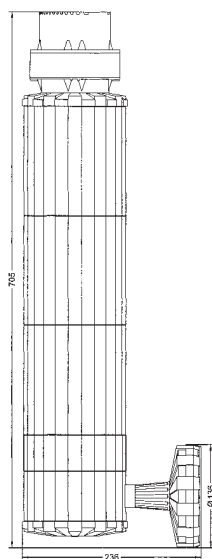
CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /

DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRÓNICA

V 12-24-48-110-230-240 (±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

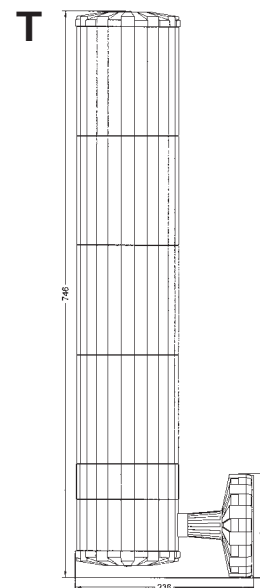
V == ~	12	24	48	110	230	240
mA acustica [DC] / Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [DC]	180	90	—	—	—	—
mA acustica [AC] / Acoustics mA [AC] / mA acoustique [AC] / mA Akustik [AC] / mA acústica [AC]	560	280	—	80	40	45
dB(A) 1m [DC]	83	82	—	—	—	—
dB(A) 1m [AC]	86	85	—	88	88	88
Hz	1000	850	—	850	850	850

**IP 30****T****LX4 122 F**
 LX4122F230A324 12764
 LX4122F230A345 16284

Kg. 2,57

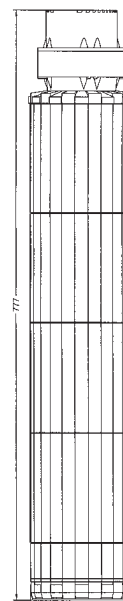
**LX4 112 F**
 LX4112F230DA3355 14813
 LX4112F240DA3241 14989

Kg. 1,95

**T****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		

**IP 30****T****LX4 083 F**
 LX4083F24DA3241 14949
 LX4083F24DA3264 11811
 LX4083F240A3461 16240

Kg. 2,37

LX4 F - LUCE FISSA SENZA ELETTRONICA

CONTINUOUS LIGHT WITHOUT ELECTRONICS / LUMIERE FIXE SANS ELECTRONIQUE /
DAUERLICHT OHNE ELEKTRONIK / LUZ FIJA SIN ELECTRONICA

V12-24-48-110-230-240 (±10%)			 Ba15d 40W	Ba15d LD ¹⁰⁵ ₂₀₅		 50/60 Hz	
Flash/min. 0		IP ³⁰ ₅₄				°C -30 +40	On ∞
		PC					

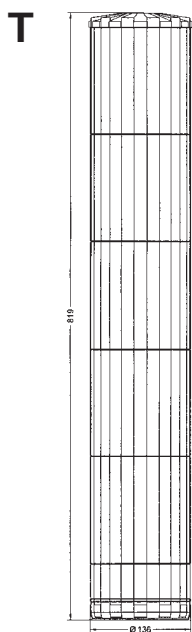
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 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

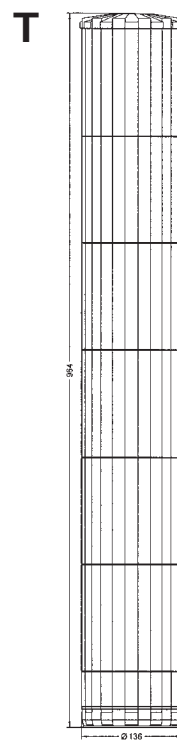


Kg. 1,92



LX4 074 F

LX4074F24DA32615	11301
LX4074F110DA32615	11303
LX4074F230DA32615	11304



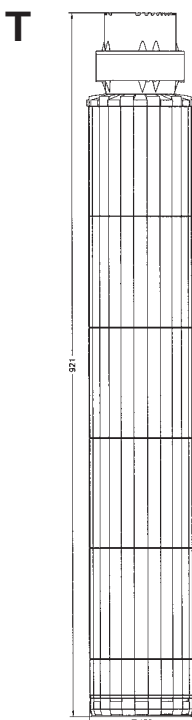
Kg. 2,24



LX4 084 F

IP 30

LX4084F230A32614	11833
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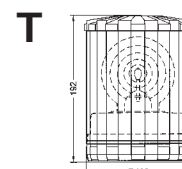
Kg. 2,69

V 12-24-48-110-230-240 (±10%)		 Ba15s 45W	 Ba15d 40W	 H1 55W - 70W	==
 50/60 Hz	r.p.m. 65±10	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	—	—	—	—
V ~	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 200 R

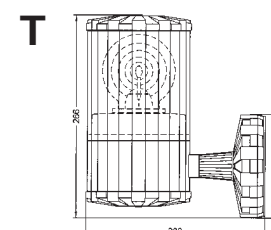
LX4200R12D2	15002	LX4200R24A3	15033	LX4200R230A4	15064
LX4200R24D2	15022	LX4200R24A5	15035	LX4200R230A5	15065
LX4200R24D3	15023	LX4200R110A2	15052	LX4200R240A1	15071
LX4200R24D5	15025	LX4200R110A3	15053	LX4200R240A2	15072
LX4200R48A2	15042	LX4200R110A5	15055	LX4200R240A3	15073
LX4200R24A1	15031	LX4200R230A2	15062		
LX4200R24A2	15032	LX4200R230A3	15063		



Kg. 0,82


LX4 210 R

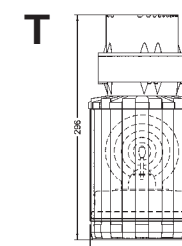
LX4210R24D2	15522	LX4210R230A2	15562	LX4210R240A2	15572
LX4210R24D3	15523	LX4210R230A3	15563	LX4210R240A3	15573
LX4210R110A5	15555	LX4210R240A1	15571		



Kg. 1,20


LX4 220 R
IP 30

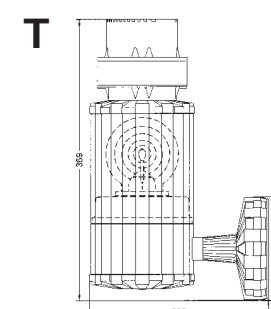
LX4220R24A5	15903	LX4220R110A5	15915	LX4220R230A5	15921
LX4220R110A3	15913	LX4220R230A2	15918		



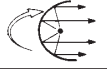
Kg. 1,61


LX4 230 R
IP 30

LX4230R230A5	16103
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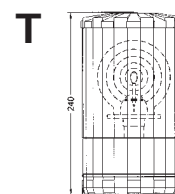
Kg. 1,92

V 12-24-48-110-230-240 (±10%)		 Ba15s 45W	 Ba15d 40W	 H1 55W - 70W	==
 50/60 Hz	r.p.m. 65±10	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	—	—	—	—
V ~	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

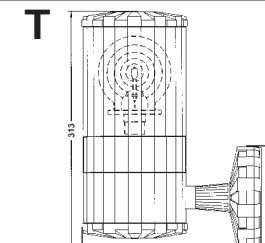

LX4 201 R

LX4201R12D2	15092	LX4201R24A5	15145	LX4201R230A3	15193
LX4201R24D2	15102	LX4201R48D2	15112	LX4201R230A5	15195
LX4201R24D3	15103	LX4201R110A2	15182	LX4201R240A2	15202
LX4201R24D5	15105	LX4201R110A3	15183	LX4201R240A3	15203
LX4201R24A3	15143	LX4201R230A2	15192		


Kg. 1,09

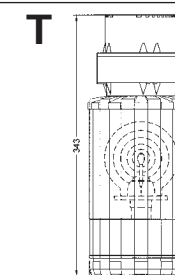
LX4 211 R

LX4211R48D5	15615	LX4211R240A2	15702	LX4211R240A3	15703
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Kg. 1,39

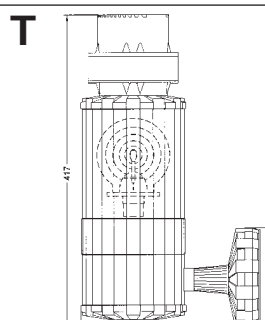
LX4 221 R
IP 30

LX4221R24A5	15951	LX4221R110A3	15961	LX4221R240A3	15973
LX4221R24D3	15943	LX4221R110A5	15963	LX4221RH24A2	15996
LX4221R48A5	15957	LX4221R230A3	15967		


Kg. 1,91

LX4 231 R
IP 30

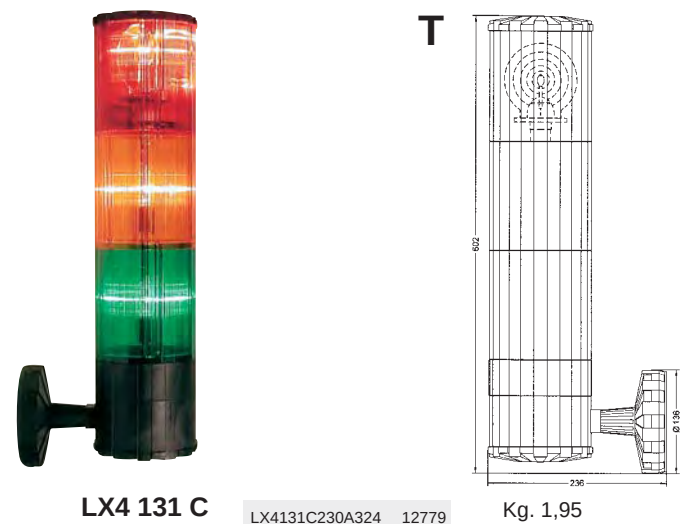
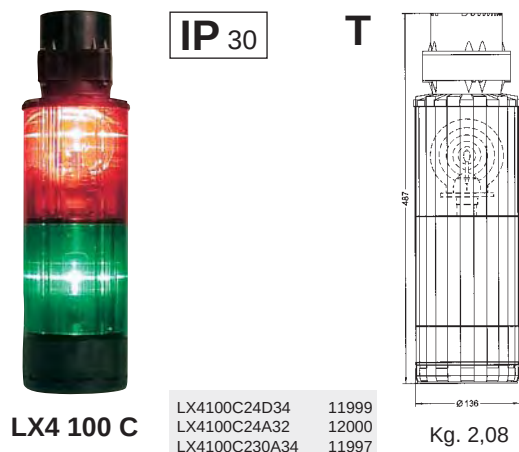
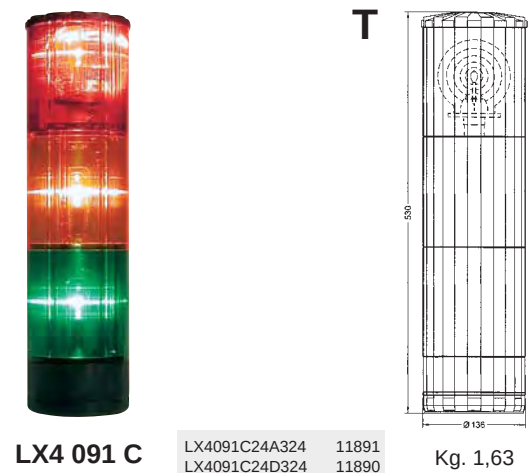
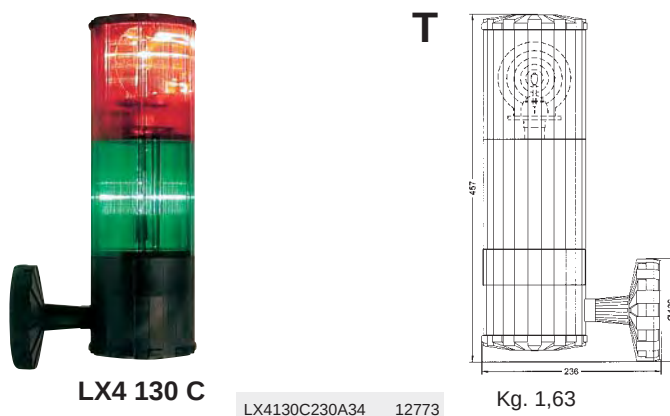
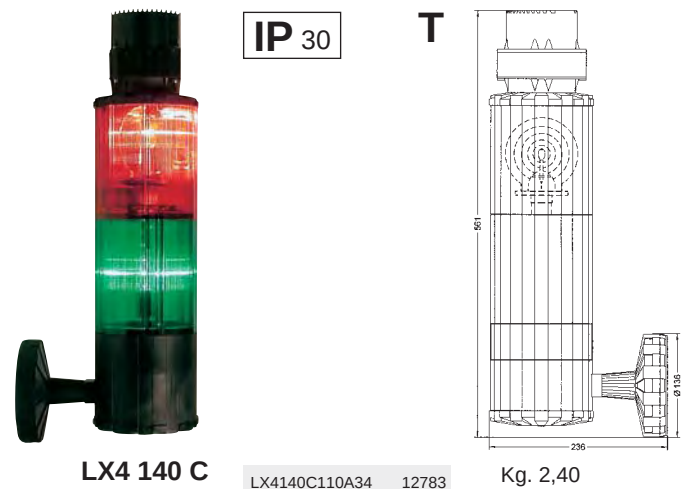
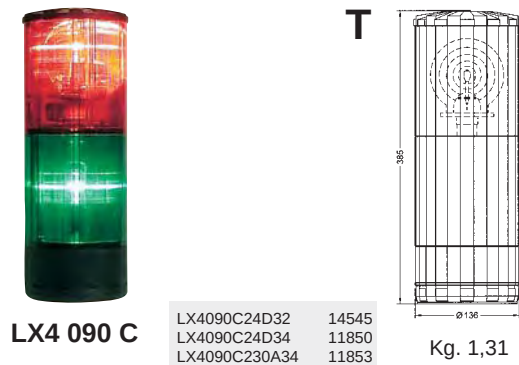
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LX4231R24D3	16125	LX4231R230A3	16155	LX4231RH24D4	16180


Kg. 2,23

V12-24-110-230-240 (±10%)	Ba15d 40W	Ba15d LD 105/205	==	~ 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



V 12-24-110-230-240 (±10%)	 Ba15d 40W	Ba15d LD 105/205	==	~ 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

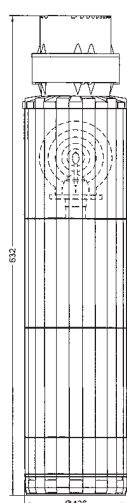
V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / 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



IP 30

T



Kg. 2,86



T



Kg. 1,95

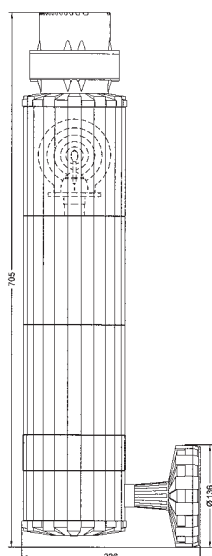
LX4101C12D324 12018 LX4101C24D364 14748 LX4101C24A324 12021

LX4092C24A3564 14847



IP 30

T



Kg. 3,18



IP 30

T



Kg. 2,72

LX4141C24A323 14743 LX4141C24A453 15000 LX4141C110A324 12792
LX4141C24A324 12791 LX4141C24D324 12790 LX4141C230A324 12793

LX4102C24D3264 12050 LX4102C24A3264 12051 LX4102C230A3264 12053

V 12-24-110-230-240 (±10%)	 Ba15d 40W	Ba15d LD 105/205	==	~ 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

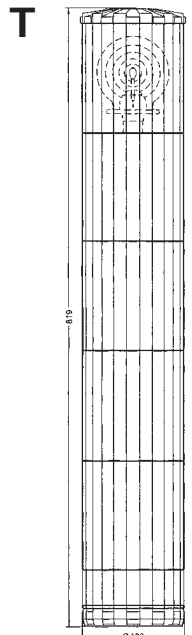
V ==	12	24	110	230	240
V ~	12	24	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	30	30
mA lampada LD 105 / LD 105 bulb mA / 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 093 C

LX4093C24D12432 14515



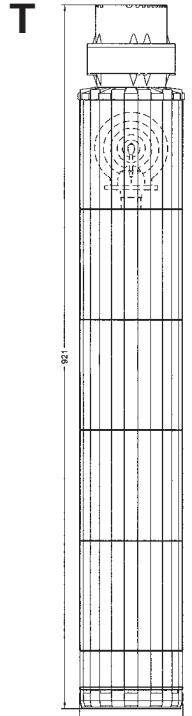
Kg. 2,25



LX4 103 C

IP 30

LX4103C110A53264 14875



Kg. 3,05

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 (±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			

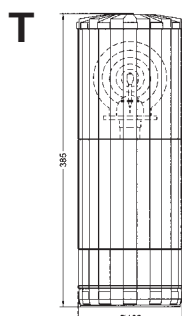
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 105 bulb mA / mA 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 090 F

LX4090F24D34 11926
LX4090F24D54 16211



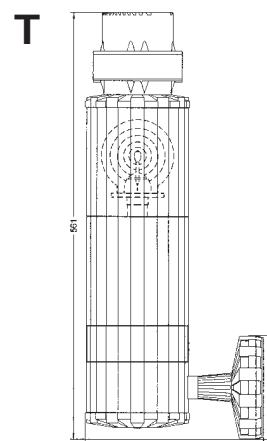
Kg. 1,28



LX4 140 F

IP³⁰

LX4140F24A15 14800
LX4140F110A34 12815

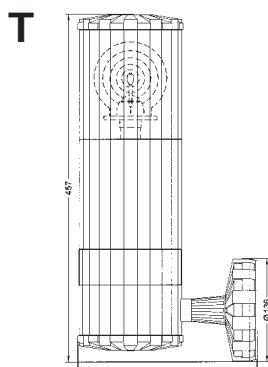


Kg. 2,38



LX4 130 F

LX4130F24A34 12796
LX4130F24D34 12801

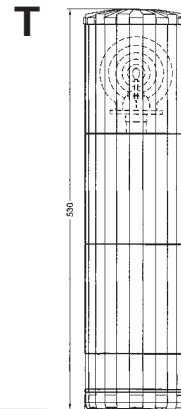


Kg. 1,60



LX4 091 F

LX4091F24A324 11934
LX4091F24D324 11971
LX4091F230A324 11974



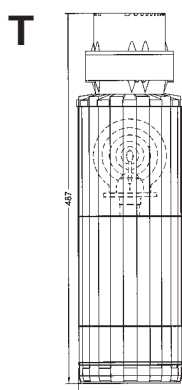
Kg. 1,60



LX4 100 F

IP³⁰

LX4100F24D55 14423

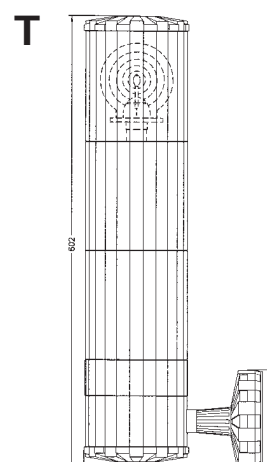


Kg. 2,05



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 + DREHSPIEGELLEUCHE / LUZ FIJA SIN ELECTRONICA + LUZ ROTATIVA

V 12-24-48-110-230-240 (±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

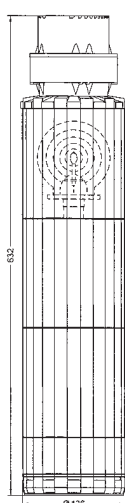
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 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

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



Kg. 2,37

LX4 101 F

LX4101F230A324 12094



T



Kg. 1,92

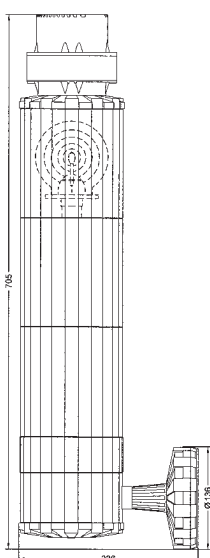
LX4 092 F

LX4092F24A3264 11936
LX4092F24D1423 16288



IP 30

T



Kg. 2,70

LX4 141 F

LX4141F24D541 14955
LX4141F110A354 14525



IP 30

T



Kg. 2,69

LX4 102 F

LX4102F24D3264 12101 LX4102F24A3264 12107 LX4102F230A3264 12104

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 (±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

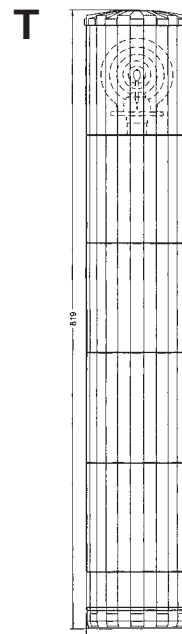
V ==	12	24	48	110	230	240
V ~	12	24	48	110	230	240
A lampada / Bulb A / A ampoule / A Leuchtmittel / A lámpara	2.8	1.3	0.92	0.36	0.17	0.16
Cd(p) elemento luminoso / Luminous element Cd(p) / Cd(p) élément lumineux / Cd(p) Lichtelement / Cd(p) elemento luminoso	60	40	60	60	30	30
mA lampada LD 105 / LD 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

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



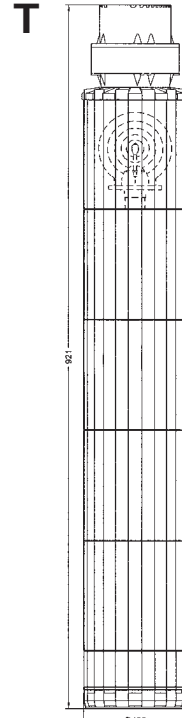
Kg. 2,24



IP 30

LX4 103 F

LX4103F24D32614 12111
LX4103F24A32614 12109
LX4103F230A32614 12114



Kg. 3,02

V 12-24-110-230-240 (±10%)	=	~ 50/60 Hz	J2 J6	1F
Flash/min. 65±10	IP 54		°C -30 +40	On ∞

	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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	V =	12/24		-	-	-
		V ~		110	230	240
J2	mA LX2	240	120	70	50	40
	Cd(p) LX2	500	500	600	600	400
	mA LX3	500	250	80	70	60
	Cd(p) LX3	1500	1500	1500	1500	1300
J6	mA LX4	900	450	80	120	100
	Cd(p) LX4	3200	3200	2400	2400	2600


LX2 020 X

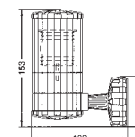
LX2020X1224DA2	10271	LX2020X110A3	10284	LX2020X230A5	10292
LX2020X1224DA1	10276	LX2020X110A4	10285	LX2020X230A6	10293
LX2020X1224DA3	10278	LX2020X110A5	10286	LX2020X240A2	10295
LX2020X1224DA4	10279	LX2020X110A6	10287	LX2020X240A3	10296
LX2020X1224DA5	10280	LX2020X230A2	10289	LX2020X240A5	10298
LX2020X1224DA6	10281	LX2020X230A3	10290		
LX2020X110A2	10283	LX2020X230A4	10291		

T


Kg. 0,19


LX2 050 X

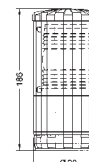
LX2050X1224DA1	10828	LX2050X110A2	10835	LX2050X240A2	10847
LX2050X1224DA2	10829	LX2050X110A5	10838	LX2050X240A3	10848
LX2050X1224DA3	10830	LX2050X230A3	10842		

T


Kg. 0,26


LX3 020 X

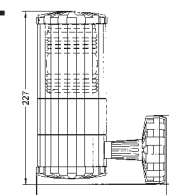
LX3020X1224DA1	10306	LX3020X230A1	10318	LX3020X240A2	10325
LX3020X1224DA2	10307	LX3020X230A2	10319	LX3020X240A3	10326
LX3020X1224DA3	10308	LX3020X230A3	10320	LX3020X240A5	10328
LX3020X1224DA5	10310	LX3020X230A4	10321	LX3020X240A6	10329
LX3020X110A2	10313	LX3020X230A5	10322		
LX3020X110A3	10314	LX3020X230A6	10323		
LX3020X110A5	10316	LX3020X240A1	10324		

T


Kg. 0,36


LX3 050 X

LX3050X1224DA3	10860	LX3050X110A3	10866	LX3050X230A3	10872
LX3050X1224DA6	10863	LX3050X110A4	10867	LX3050X240A2	10877
LX3050X110A2	10865	LX3050X230A1	10870	LX3050X240A5	10880

T


Kg. 0,44

V ₁₂₋₂₄₋₁₁₀₋₂₃₀₋₂₄₀ (±10%)	=	~ 50/60 Hz	J₂ J₆	1F
Flash/min. 65±10	IP ³⁰ / ₅₄		 —	°C -30 +40
On ∞				

	1 2 3 4 5 6	PC	AUTOESTINGUENTE SELF-EXTINGUISHING AUTO-EXTINGUIBLE SELBSTLÖSCHEND AUTOEXTINGUIBLE
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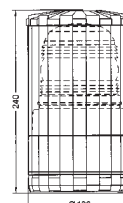
V =		12/24		—	—	—
V ~				110	230	240
J2	mA LX2	240	120	70	50	40
	Cd(p) LX2	500	500	600	600	400
	mA LX3	500	250	80	70	60
	Cd(p) LX3	1500	1500	1500	1500	1300
J6	mA LX4	900	450	80	120	100
	Cd(p) LX4	3200	3200	2400	2400	2600
mA acustica [DC] Acoustics mA [DC] / mA acoustique [DC] / mA Akustik [DC] / mA acústica [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 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		

T



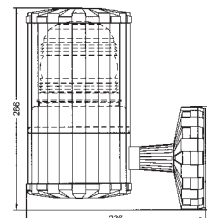
Kg. 0,84



LX4 050 X

LX4050X1224DA1	10888	LX4050X230A3	10902	LX4050X240A3	10908
LX4050X1224DA3	10890	LX4050X230A6	10905		
LX4050X230A2	10901	LX4050X240A2	10907		

T



Kg. 1,25

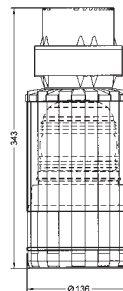


LX4 021 X

IP 30

LX4021X1224DA3	15829	LX4021X110A3	15835
LX4021X1224DA5	15831	LX4021X230A4	15842

T



Kg. 1,38

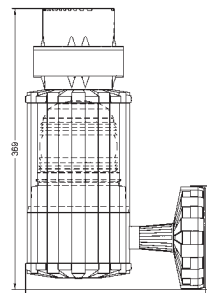


LX4 051 X

IP 30

LX4051X1224DA1	15851	LX4051X1224DA4	15854	LX4051X230A3	15871
LX4051X1224DA2	15852	LX4051X1224DA5	15855		
LX4051X1224DA3	15853	LX4051X1224DA6	15856		

T



Kg. 1,73

**LUXOR**

ACCESSORI / ACCESSORIES / ACCESSOIRES / ZUBEHÖR / ACCESORIOS

Prolunga rigida / Rigid extension / Tige rigide / Standrohr / Prolongador rigido

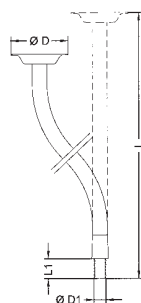
PR1A	72670	PR4A	72673	PR3B	72676
PR2A	72671	PR1B	72674		
PR3A	72672	PR2B	72675		

**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 D1 50 mm	Ø D1 65 mm	Ø D1 90 mm	
L 180 mm	L 230 mm	L 235 mm	
Kg. 0,10	Kg. 0,14	Kg. 0,23	Ø D 127 mm
			Ø D1 136 mm
			L 450 mm
			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

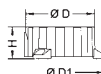
BMC1	72684
BMC2	72685
BMC3	72686



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 / GLÜHLAMPE 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 / GLÜHLAMPE 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 / GLÜHLAMPE 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 / GLÜHLAMPE 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

FILAMENT BULB for: LX4 201 R - LX4 221 R / AMPOULE A FILAMENT pour: LX4 201 R - LX4 221 R / GLÜHLAMPE für: LX4 201 R - LX4 221 R / LÁMPARA DE FILAMENTO 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



LAMPADA ALOGENA 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

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



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

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 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

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

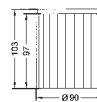
DURATA DURATION DUREE LEBENSDAUER DURACIÓN	TIPO D'IMBALLO TYPE OF PACKAGING TYPE D'EMBALLAGE VERPACKUNGSTYP TIPO DE EMBALAJE
100.000 h. ~	SCATOLA SINGOLA SINGLE BOX BOITE INDIVIDUELLE EINZELSCHACHTEL CAJA INDIVIDUAL

DIFFUSORI PC / PC DIFFUSERS / DIFFUSEURS PC / PC HAUBEN / DIFUSORES DE PC

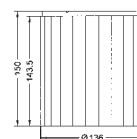
Kg. 0,03



Kg. 0,05



Kg. 0,10



Kg. 0,22

DIFFUSOREDIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX1

DP11	72700
DP12	72701
DP13	72702
DP14	72703
DP15	72704
DP16	72705

DIFFUSOREDIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX2

DP21	72710
DP22	72711
DP23	72712
DP24	72713
DP25	72714
DP26	72715

DIFFUSOREDIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX3

DP31	72720
DP32	72721
DP33	72722
DP34	72723
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DIFFUSOREDIFFUSER
DIFFUSEUR
HAUBE
DIFUSOR
LX4

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LD 143 F 284

LD 145 F 284

LD 295 F 285

LD 495 F 285

LD 1085 F 285

LD 37Q F 285

LD 51Q F 286

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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
LD ES -	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

	N. LED	Ø 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	

	N. LED	Ø LED	N. CHIP/LED
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

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

CODICE COLORE
COLOUR CODE
CODE COULEUR
FARBEN-CODE
CÓDIGO COLOR

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 - 015 F	LD - 4.5.4 SF
LD - 024 F	LD - 103
LD - 034 F	LD - 113
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 - 145 F	
LD - 205	
LD - 305	
LD - 3.5.4 C	LDV - 025
LD - 4.5.4 C	LDV - 035
LD - 3.5.4 SF	LDV - 2.5
LD - 4.5.4 SF	
LD - 103	



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 trionfo tra:

1. **BASSISSIMO CONSUMO DI ENERGIA** es. LD 015 F 0,3W
2. **DURATA ILLIMITATA** 100.000 ore
3. **DEFINIZIONE OTTICA ECCELLENTE** LED selezionati tra i prodotti di primarie aziende fornitrici 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** eg. LD 015 F 0,3W
2. **UNLIMITED LIFE** 100.000 hours
3. **EXCELLENT OPTICAL OUTPUT** 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** ex. LD 015 F 0,3W
2. **DUREE ILLIMITEE** 100.000 heures
3. **EXCELLENTE DEFINITION OPTIQUE** LED sélectionnés 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 Trinum:

1. **NIEDRIGER STROMVERBRAUCH** z. B. LD 015 F 0,3W
2. **UNBEGRENZTE LEBENSDAUER** 100.000 Stunden
3. **SEHR GUTE OPTISCHE SCHÄRFE** 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** ej. LD 015 F 0,3W
2. **DURACIÓN ILIMITADA** 100.000 horas
3. **EXCELENTE DEFINICIÓN ÓPTICA** 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 epóxida** 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
Manutenzione	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 Vibrationen. 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	Ensayo 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 replazos de la lámpara fundida	no mantenimiento necesario para replazo 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

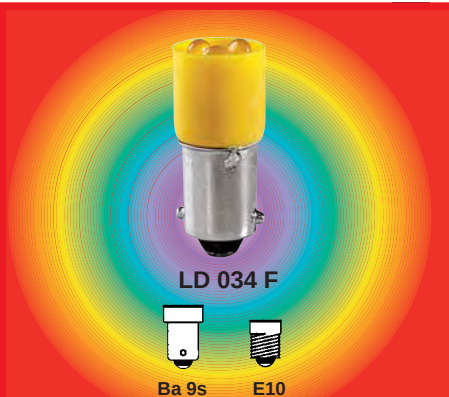
NOUVELLE LIGNE
D'AMPOULES A LED'S POUR FEUX ROUTIERS
FEU LED 200 - FEU LED 300

NEUE LINIE
VON LED LAMPEN FÜR VERKEHRSSAMPEN
FEU LED 200 - FEU LED 300

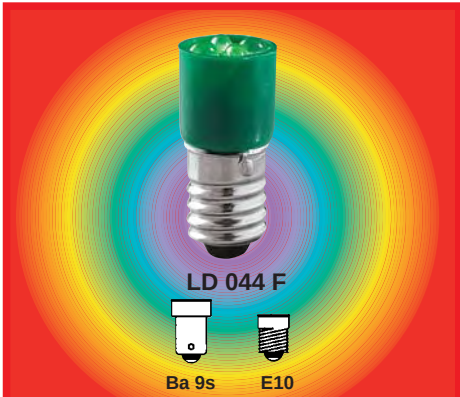
NUEVA LÍNEA
DE LÁMPARAS DE LED'S PARA SEMÁFOROS
FEU LED 200 - FEU LED 300



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 Código	LD	Zoccolo Socket Zócalo					
37441	LD 034 FEXL	BA9S	V12	---	~	1	
37443	LD 034 F	BA9S	V12	---	~	3	
37445	LD 034 F	BA9S	V12	---	~	5	
37446	LD 034 F	BA9S	V12	---	~	6	
37448	LD 034 FEXL	BA9S	V12	---	~	8	
37451	LD 034 FEXL	BA9S	V24	---	~	1	
37453	LD 034 F	BA9S	V24	---	~	3	
37455	LD 034 F	BA9S	V24	---	~	5	
37456	LD 034 F	BA9S	V24	---	~	6	
37458	LD 034 FEXL	BA9S	V24	---	~	8	
37461	LD 034 FEXL	BA9S	V48	---	~	1	
37463	LD 034 F	BA9S	V48	---	~	3	
37465	LD 034 F	BA9S	V48	---	~	5	
37466	LD 034 F	BA9S	V48	---	~	6	
37468	LD 034 FEXL	BA9S	V48	---	~	8	
37471	LD 034 FEXL	BA9S	V110	~	~	1	
37473	LD 034 F	BA9S	V110	~	~	3	
37475	LD 034 F	BA9S	V110	~	~	5	
37476	LD 034 F	BA9S	V110	~	~	6	
37478	LD 034 FEXL	BA9S	V110	~	~	8	
37481	LD 034 FEXL	BA9S	V230/240	~	~	1	
37483	LD 034 F	BA9S	V230/240	~	~	3	
37485	LD 034 F	BA9S	V230/240	~	~	5	
37486	LD 034 F	BA9S	V230/240	~	~	6	
37488	LD 034 FEXL	BA9S	V230/240	~	~	8	
37501	LD 034 FEXL	E10	V12	---	~	1	
37503	LD 034 F	E10	V12	---	~	3	
37505	LD 034 F	E10	V12	---	~	5	
37506	LD 034 F	E10	V12	---	~	6	
37508	LD 034 FEXL	E10	V12	---	~	8	
37511	LD 034 FEXL	E10	V24	---	~	1	
37513	LD 034 F	E10	V24	---	~	3	
37515	LD 034 F	E10	V24	---	~	5	
37516	LD 034 F	E10	V24	---	~	6	
37518	LD 034 FEXL	E10	V24	---	~	8	
37521	LD 034 FEXL	E10	V48	---	~	1	
37523	LD 034 F	E10	V48	---	~	3	
37525	LD 034 F	E10	V48	---	~	5	
37526	LD 034 F	E10	V48	---	~	6	
37528	LD 034 FEXL	E10	V48	---	~	8	
37531	LD 034 FEXL	E10	V110	~	~	1	
37533	LD 034 F	E10	V110	~	~	3	
37535	LD 034 F	E10	V110	~	~	5	
37536	LD 034 F	E10	V110	~	~	6	
37538	LD 034 FEXL	E10	V110	~	~	8	
37541	LD 034 FEXL	E10	V230/240	~	~	1	
37543	LD 034 F	E10	V230/240	~	~	3	
37545	LD 034 F	E10	V230/240	~	~	5	
37546	LD 034 F	E10	V230/240	~	~	6	
37548	LD 034 FEXL	E10	V230/240	~	~	8	



Codice Code Código	LD	Zoccolo Socket Zócalo					
29461	LD 044 FEXL	BA9S	V12	---	~	1	
29463	LD 044 F	BA9S	V12	---	~	3	
29465	LD 044 F	BA9S	V12	---	~	5	
29466	LD 044 F	BA9S	V12	---	~	6	
29468	LD 044 FEXL	BA9S	V12	---	~	8	
29471	LD 044 FEXL	BA9S	V24	---	~	1	
29473	LD 044 F	BA9S	V24	---	~	3	
29475	LD 044 F	BA9S	V24	---	~	5	
29476	LD 044 F	BA9S	V24	---	~	6	
29478	LD 044 FEXL	BA9S	V24	---	~	8	
29481	LD 044 FEXL	BA9S	V48	---	~	1	
29483	LD 044 F	BA9S	V48	---	~	3	
29485	LD 044 F	BA9S	V48	---	~	5	
29486	LD 044 F	BA9S	V48	---	~	6	
29488	LD 044 FEXL	BA9S	V48	---	~	8	
29311	LD 044 FEXL	BA9S	V110	~	~	1	
29313	LD 044 F	BA9S	V110	~	~	3	
29315	LD 044 F	BA9S	V110	~	~	5	
29316	LD 044 F	BA9S	V110	~	~	6	
29318	LD 044 FEXL	BA9S	V110	~	~	8	
29321	LD 044 FEXL	BA9S	V230/240	~	~	1	
29323	LD 044 F	BA9S	V230/240	~	~	3	
29325	LD 044 F	BA9S	V230/240	~	~	5	
29326	LD 044 F	BA9S	V230/240	~	~	6	
29328	LD 044 FEXL	BA9S	V230/240	~	~	8	
29401	LD 044 FEXL	E10	V12	---	~	1	
29403	LD 044 F	E10	V12	---	~	3	
29405	LD 044 F	E10	V12	---	~	5	
29406	LD 044 F	E10	V12	---	~	6	
29408	LD 044 FEXL	E10	V12	---	~	8	
29411	LD 044 FEXL	E10	V24	---	~	1	
29413	LD 044 F	E10	V24	---	~	3	
29415	LD 044 F	E10	V24	---	~	5	
29416	LD 044 F	E10	V24	---	~	6	
29418	LD 044 FEXL	E10	V24	---	~	8	
29421	LD 044 FEXL	E10	V48	---	~	1	
29423	LD 044 F	E10	V48	---	~	3	
29425	LD 044 F	E10	V48	---	~	5	
29426	LD 044 F	E10	V48	---	~	6	
29428	LD 044 FEXL	E10	V48	---	~	8	
29431	LD 044 FEXL	E10	V110	~	~	1	
29433	LD 044 F	E10	V110	~	~	3	
29435	LD 044 F	E10	V110	~	~	5	
29436	LD 044 F	E10	V110	~	~	6	
29438	LD 044 FEXL	E10	V110	~	~	8	
29441	LD 044 FEXL	E10	V230/240	~	~	1	
29443	LD 044 F	E10	V230/240	~	~	3	
29445	LD 044 F	E10	V230/240	~	~	5	
29446	LD 044 F	E10	V230/240	~	~	6	
29448	LD 044 FEXL	E10	V230/240	~	~	8	



LD		Zoccolo Socket Culot Zoccolo					
Codice Code Codigo							
34761	LD 063 FEXL	BA15S	V24	---	~	1	1
34762	LD 063 F	BA15S	V24	---	~	2	2
34763	LD 063 F	BA15S	V24	---	~	3	3
34765	LD 063 F	BA15S	V24	---	~	5	5
34766	LD 063 F	BA15S	V24	---	~	6	6
34768	LD 063 FEXL	BA15S	V24	---	~	8	8
34771	LD 063 FEXL	BA15S	V48	---	~	1	1
34772	LD 063 F	BA15S	V48	---	~	2	2
34773	LD 063 F	BA15S	V48	---	~	3	3
34775	LD 063 F	BA15S	V48	---	~	5	5
34776	LD 063 F	BA15S	V48	---	~	6	6
34778	LD 063 FEXL	BA15S	V48	---	~	8	8
34781	LD 063 FEXL	BA15S	V110	~	~	1	1
34782	LD 063 F	BA15S	V110	~	~	2	2
34783	LD 063 F	BA15S	V110	~	~	3	3
34785	LD 063 F	BA15S	V110	~	~	5	5
34786	LD 063 F	BA15S	V110	~	~	6	6
34788	LD 063 FEXL	BA15S	V110	~	~	8	8
34791	LD 063 FEXL	BA15S	V230/240	~	~	1	1
34792	LD 063 F	BA15S	V230/240	~	~	2	2
34793	LD 063 F	BA15S	V230/240	~	~	3	3
34795	LD 063 F	BA15S	V230/240	~	~	5	5
34796	LD 063 F	BA15S	V230/240	~	~	6	6
34798	LD 063 FEXL	BA15S	V230/240	~	~	8	8
34811	LD 063 FEXL	BA15D	V24	---	~	1	1
34812	LD 063 F	BA15D	V24	---	~	2	2
34813	LD 063 F	BA15D	V24	---	~	3	3
34815	LD 063 F	BA15D	V24	---	~	5	5
34816	LD 063 F	BA15D	V24	---	~	6	6
34818	LD 063 FEXL	BA15D	V24	---	~	8	8
34821	LD 063 FEXL	BA15D	V48	---	~	1	1
34822	LD 063 F	BA15D	V48	---	~	2	2
34823	LD 063 F	BA15D	V48	---	~	3	3
34825	LD 063 F	BA15D	V48	---	~	5	5
34826	LD 063 F	BA15D	V48	---	~	6	6
34828	LD 063 FEXL	BA15D	V48	---	~	8	8
34831	LD 063 FEXL	BA15D	V110	~	~	1	1
34832	LD 063 F	BA15D	V110	~	~	2	2
34833	LD 063 F	BA15D	V110	~	~	3	3
34835	LD 063 F	BA15D	V110	~	~	5	5
34836	LD 063 F	BA15D	V110	~	~	6	6
34838	LD 063 FEXL	BA15D	V110	~	~	8	8
34841	LD 063 FEXL	BA15D	V230/240	~	~	1	1
34842	LD 063 F	BA15D	V230/240	~	~	2	2
34843	LD 063 F	BA15D	V230/240	~	~	3	3
34845	LD 063 F	BA15D	V230/240	~	~	5	5
34846	LD 063 F	BA15D	V230/240	~	~	6	6
34848	LD 063 FEXL	BA15D	V230/240	~	~	8	8

34861	LD 063 FEXL	E14	V24	---	~	1	1
34862	LD 063 F	E14	V24	---	~	2	2
34863	LD 063 F	E14	V24	---	~	3	3
34865	LD 063 F	E14	V24	---	~	5	5
34866	LD 063 F	E14	V24	---	~	6	6
34868	LD 063 FEXL	E14	V24	---	~	8	8
34871	LD 063 FEXL	E14	V48	---	~	1	1
34872	LD 063 F	E14	V48	---	~	2	2
34873	LD 063 F	E14	V48	---	~	3	3
34875	LD 063 F	E14	V48	---	~	5	5
34876	LD 063 F	E14	V48	---	~	6	6
34878	LD 063 FEXL	E14	V48	---	~	8	8
34881	LD 063 FEXL	E14	V110	~	~	1	1
34882	LD 063 F	E14	V110	~	~	2	2
34883	LD 063 F	E14	V110	~	~	3	3
34885	LD 063 F	E14	V110	~	~	5	5
34886	LD 063 F	E14	V110	~	~	6	6
34888	LD 063 FEXL	E14	V110	~	~	8	8
34891	LD 063 FEXL	E14	V230/240	~	~	1	1
34892	LD 063 F	E14	V230/240	~	~	2	2
34893	LD 063 F	E14	V230/240	~	~	3	3
34895	LD 063 F	E14	V230/240	~	~	5	5
34896	LD 063 F	E14	V230/240	~	~	6	6
34898	LD 063 FEXL	E14	V230/240	~	~	8	8



LD		Zoccolo Socket Culot Zoccolo					
Codice Code Codigo							
40771	LD 3.5.4 C	BA15D	V12	---	~	1	1
40772	LD 3.5.4 C	BA15D	V12	---	~	2	2
40773	LD 3.5.4 C	BA15D	V12	---	~	3	3
40774	LD 3.5.4 C	BA15D	V12	---	~	4	4
40776	LD 3.5.4 C	BA15D	V12	---	~	6	6
40781	LD 3.5.4 C	BA15D	V24	---	~	1	1
40782	LD 3.5.4 C	BA15D	V24	---	~	2	2
40783	LD 3.5.4 C	BA15D	V24	---	~	3	3
40784	LD 3.5.4 C	BA15D	V24	---	~	4	4
40786	LD 3.5.4 C	BA15D	V24	---	~	6	6
40791	LD 3.5.4 C	BA15D	V110	~	~	1	1
40792	LD 3.5.4 C	BA15D	V110	~	~	2	2
40793	LD 3.5.4 C	BA15D	V110	~	~	3	3
40794	LD 3.5.4 C	BA15D	V110	~	~	4	4
40796	LD 3.5.4 C	BA15D	V110	~	~	6	6
40801	LD 3.5.4 C	BA15D	V230/240	~	~	1	1
40802	LD 3.5.4 C	BA15D	V230/240	~	~	2	2
40803	LD 3.5.4 C	BA15D	V230/240	~	~	3	3
40804	LD 3.5.4 C	BA15D	V230/240	~	~	4	4
40806	LD 3.5.4 C	BA15D	V230/240	~	~	6	6
40811	LD 3.5.4 C	E14	V12	---	~	1	1
40812	LD 3.5.4 C	E14	V12	---	~	2	2
40813	LD 3.5.4 C	E14	V12	---	~	3	3

40814	LD 3.5.4 C	E14	V12	---	~	4	1
40816	LD 3.5.4 C	E14	V12	---	~	6	2
40821	LD 3.5.4 C	E14	V24	---	~	1	3
40822	LD 3.5.4 C	E14	V24	---	~	2	4
40823	LD 3.5.4 C	E14	V24	---	~	3	5
40824	LD 3.5.4 C	E14	V24	---	~	4	6
40826	LD 3.5.4 C	E14	V24	---	~	6	7
40831	LD 3.5.4 C	E14	V110	~	~	1	8
40832	LD 3.5.4 C	E14	V110	~	~	2	9
40833	LD 3.5.4 C	E14	V110	~	~	3	10
40834	LD 3.5.4 C	E14	V110	~	~	4	11
40836	LD 3.5.4 C	E14	V110	~	~	6	12
40841	LD 3.5.4 C	E14	V230/240	~	~	1	13
40842	LD 3.5.4 C	E14	V230/240	~	~	2	14
40843	LD 3.5.4 C	E14	V230/240	~	~	3	15
40844	LD 3.5.4 C	E14	V230/240	~	~	4	16
40846	LD 3.5.4 C	E14	V230/240	~	~	6	17



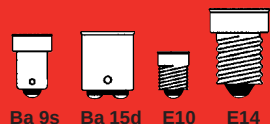
LD		Zoccolo Socket Culot Zoccolo					
Codice Code Codigo							
40851	LD 4.5.4 C	BA15D	V12	---	~	1	37
40852	LD 4.5.4 C	BA15D	V12	---	~	2	38
40853	LD 4.5.4 C	BA15D	V12	---	~	3	39
40854	LD 4.5.4 C	BA15D	V12	---	~	4	40
40856	LD 4.5.4 C	BA15D	V12	---	~	6	41
40861	LD 4.5.4 C	BA15D	V24	---	~	1	42
40862	LD 4.5.4 C	BA15D	V24	---	~	2	43
40863	LD 4.5.4 C	BA15D	V24	---	~	3	44
40864	LD 4.5.4 C	BA15D	V24	---	~	4	45
40866	LD 4.5.4 C	BA15D	V24	---	~	6	46
40871	LD 4.5.4 C	BA15D	V110	~	~	1	47
40872	LD 4.5.4 C	BA15D	V110	~	~	2	48
40873	LD 4.5.4 C	BA15D	V110	~	~	3	49
40874	LD 4.5.4 C	BA15D	V110	~	~	4	50
40876	LD 4.5.4 C	BA15D	V110	~	~	6	51
40881	LD 4.5.4 C	BA15D	V230/240	~	~	1	52
40882	LD 4.5.4 C	BA15D	V230/240	~	~	2	53
40883	LD 4.5.4 C	BA15D	V230/240	~	~	3	54
40884	LD 4.5.4 C	BA15D	V230/240	~	~	4	55
40886	LD 4.5.4 C	BA15D	V230/240	~	~	6	56
40891	LD 4.5.4 C	E14	V12	---	~	1	57
40892	LD 4.5.4 C	E14	V12	---	~	2	58
40893	LD 4.5.4 C	E14	V12	---	~	3	59
40894	LD 4.5.4 C	E14	V12	---	~	4	60
40896	LD 4.5.4 C	E14	V12	---	~	6	61
40901	LD 4.5.4 C	E14	V24	---	~	1	62
40902	LD 4.5.4 C	E14	V24	---	~	2	63
40903	LD 4.5.4 C	E14	V24	---	~	3	64
40904	LD 4.5.4 C	E14	V24	---	~	4	65



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



Ba 9s Ba 15d E10 E14

Codice Code Código	LD	Zoccolo Socket Culiet Socket Zócalo					
41721	LD 4.5.4 SF	BA9S	V12	---	~	~	1
41722	LD 4.5.4 SF	BA9S	V12	---	~	~	2
41723	LD 4.5.4 SF	BA9S	V12	---	~	~	3
41724	LD 4.5.4 SF	BA9S	V12	---	~	~	4
41726	LD 4.5.4 SF	BA9S	V12	---	~	~	6
41731	LD 4.5.4 SF	BA9S	V24	---	~	~	1
41732	LD 4.5.4 SF	BA9S	V24	---	~	~	2
41733	LD 4.5.4 SF	BA9S	V24	---	~	~	3
41734	LD 4.5.4 SF	BA9S	V24	---	~	~	4
41736	LD 4.5.4 SF	BA9S	V24	---	~	~	6
41741	LD 4.5.4 SF	BA9S	V110	~	~	~	1
41742	LD 4.5.4 SF	BA9S	V110	~	~	~	2
41743	LD 4.5.4 SF	BA9S	V110	~	~	~	3
41744	LD 4.5.4 SF	BA9S	V110	~	~	~	4
41746	LD 4.5.4 SF	BA9S	V110	~	~	~	6
41751	LD 4.5.4 SF	BA9S	V230/240	~	~	~	1
41752	LD 4.5.4 SF	BA9S	V230/240	~	~	~	2
41753	LD 4.5.4 SF	BA9S	V230/240	~	~	~	3
41754	LD 4.5.4 SF	BA9S	V230/240	~	~	~	4
41756	LD 4.5.4 SF	BA9S	V230/240	~	~	~	6
41601	LD 4.5.4 SF	BA15D	V12	---	~	~	1
41602	LD 4.5.4 SF	BA15D	V12	---	~	~	2
41603	LD 4.5.4 SF	BA15D	V12	---	~	~	3
41604	LD 4.5.4 SF	BA15D	V12	---	~	~	4
41606	LD 4.5.4 SF	BA15D	V12	---	~	~	6
41611	LD 4.5.4 SF	BA15D	V24	---	~	~	1
41612	LD 4.5.4 SF	BA15D	V24	---	~	~	2
41613	LD 4.5.4 SF	BA15D	V24	---	~	~	3
41614	LD 4.5.4 SF	BA15D	V24	---	~	~	4
41616	LD 4.5.4 SF	BA15D	V24	---	~	~	6
41621	LD 4.5.4 SF	BA15D	V110	~	~	~	1
41622	LD 4.5.4 SF	BA15D	V110	~	~	~	2
41623	LD 4.5.4 SF	BA15D	V110	~	~	~	3
41624	LD 4.5.4 SF	BA15D	V110	~	~	~	4
41626	LD 4.5.4 SF	BA15D	V110	~	~	~	6
41631	LD 4.5.4 SF	BA15D	V230/240	~	~	~	1
41632	LD 4.5.4 SF	BA15D	V230/240	~	~	~	2
41633	LD 4.5.4 SF	BA15D	V230/240	~	~	~	3
41634	LD 4.5.4 SF	BA15D	V230/240	~	~	~	4
41636	LD 4.5.4 SF	BA15D	V230/240	~	~	~	6
41681	LD 4.5.4 SF	E10	V12	---	~	~	1
41682	LD 4.5.4 SF	E10	V12	---	~	~	2



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



LD 143 F



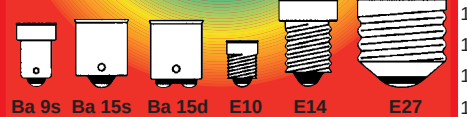
Ba 15d E10

LD	LD	LD	LD	LD	LD	LD	LD
37261	LD 143 FEXL	BA15D	V12	---	~	1	1
37262	LD 143 F	BA15D	V12	---	~	2	2
37263	LD 143 F	BA15D	V12	---	~	3	3
37265	LD 143 F	BA15D	V12	---	~	5	5
37266	LD 143 F	BA15D	V12	---	~	6	6
37268	LD 143 FEXL	BA15D	V12	---	~	8	8
37271	LD 143 FEXL	BA15D	V24	---	~	1	1
37272	LD 143 F	BA15D	V24	---	~	2	2
37273	LD 143 F	BA15D	V24	---	~	3	3
37275	LD 143 F	BA15D	V24	---	~	5	5
37276	LD 143 F	BA15D	V24	---	~	6	6
37278	LD 143 FEXL	BA15D	V24	---	~	8	8

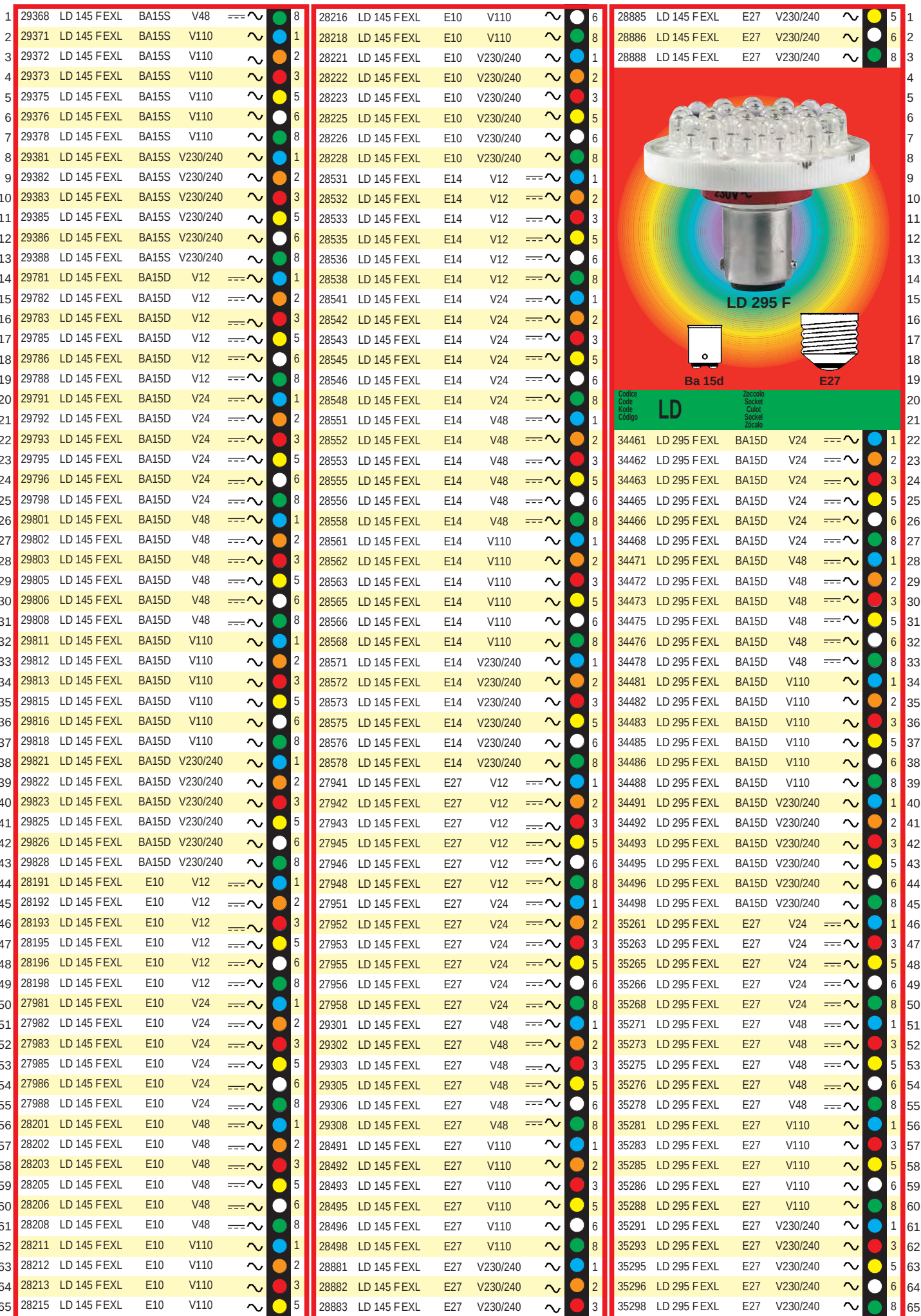
37281	LD 143 FEXL	BA15D	V48	---	~	1	1
37282	LD 143 F	BA15D	V48	---	~	2	2
37283	LD 143 F	BA15D	V48	---	~	3	3
37285	LD 143 F	BA15D	V48	---	~	5	5
37286	LD 143 F	BA15D	V48	---	~	6	6
37288	LD 143 FEXL	BA15D	V48	---	~	8	8
37291	LD 143 FEXL	BA15D	V110	~	~	1	1
37292	LD 143 F	BA15D	V110	~	~	2	2
37293	LD 143 F	BA15D	V110	~	~	3	3
37295	LD 143 F	BA15D	V110	~	~	5	5
37296	LD 143 F	BA15D	V110	~	~	6	6
37298	LD 143 FEXL	BA15D	V110	~	~	8	8
37301	LD 143 FEXL	BA15D	V230/240	~	~	1	1
37302	LD 143 F	BA15D	V230/240	~	~	2	2
37303	LD 143 F	BA15D	V230/240	~	~	3	3
37305	LD 143 F	BA15D	V230/240	~	~	5	5
37306	LD 143 F	BA15D	V230/240	~	~	6	6
37308	LD 143 FEXL	BA15D	V230/240	~	~	8	8
29901	LD 143 FEXL	E10	V12	---	~	1	1
29902	LD 143 F	E10	V12	---	~	2	2
29903	LD 143 F	E10	V12	---	~	3	3
29905	LD 143 F	E10	V12	---	~	5	5
29906	LD 143 F	E10	V12	---	~	6	6
29908	LD 143 FEXL	E10	V12	---	~	8	8
29911	LD 143 FEXL	E10	V24	---	~	1	1
29912	LD 143 F	E10	V24	---	~	2	2
29913	LD 143 F	E10	V24	---	~	3	3
29915	LD 143 F	E10	V24	---	~	5	5
29916	LD 143 F	E10	V24	---	~	6	6
29918	LD 143 FEXL	E10	V24	---	~	8	8
29921	LD 143 FEXL	E10	V48	---	~	1	1
29922	LD 143 F	E10	V48	---	~	2	2
29923	LD 143 F	E10	V48	---	~	3	3
29925	LD 143 F	E10	V48	---	~	5	5
29926	LD 143 F	E10	V48	---	~	6	6
29928	LD 143 FEXL	E10	V48	---	~	8	8
29931	LD 143 FEXL	E10	V110	~	~	1	1
29932	LD 143 F	E10	V110	~	~	2	2
29933	LD 143 F	E10	V110	~	~	3	3
29935	LD 143 F	E10	V110	~	~	5	5
29936	LD 143 F	E10	V110	~	~	6	6
29938	LD 143 FEXL	E10	V110	~	~	8	8
29941	LD 143 FEXL	E10	V230/240	~	~	1	1
29942	LD 143 F	E10	V230/240	~	~	2	2
29943	LD 143 F	E10	V230/240	~	~	3	3
29945	LD 143 F	E10	V230/240	~	~	5	5
29946	LD 143 F	E10	V230/240	~	~	6	6
29948	LD 143 FEXL	E10	V230/240	~	~	8	8



LD 145 F



LD	LD	LD	LD	LD	LD	LD	LD
29011	LD 145 FEXL	BA9S	V12	---	~	1	1
29012	LD 145 FEXL	BA9S	V12	---	~	2	2
29013	LD 145 FEXL	BA9S	V12	---	~	3	3
29015	LD 145 FEXL	BA9S	V12	---	~	5	5
29016	LD 145 FEXL	BA9S	V12	---	~	6	6
29018	LD 145 FEXL	BA9S	V12	---	~	8	8
29021	LD 145 FEXL	BA9S	V24	---	~	1	1
29022	LD 145 FEXL	BA9S	V24	---	~	2	2
29023	LD 145 FEXL	BA9S	V24	---	~	3	3
29025	LD 145 FEXL	BA9S	V24	---	~	5	5
29026	LD 145 FEXL	BA9S	V24	---	~	6	6
29028	LD 145 FEXL	BA9S	V24	---	~	8	8
29031	LD 145 FEXL	BA9S	V48	---	~	1	1
29032	LD 145 FEXL	BA9S	V48	---	~	2	2
29033	LD 145 FEXL	BA9S	V48	---	~	3	3
29035	LD 145 FEXL	BA9S	V48	---	~	5	5
29036	LD 145 FEXL	BA9S	V48	---	~	6	6
29038	LD 145 FEXL	BA9S	V48	---	~	8	8
29041	LD 145 FEXL	BA9S	V110	~	~	1	1
29042	LD 145 FEXL	BA9S	V110	~	~	2	2
29043	LD 145 FEXL	BA9S	V110	~	~	3	3
29045	LD 145 FEXL	BA9S	V110	~	~	5	5
29046	LD 145 FEXL	BA9S	V110	~	~	6	6
29048	LD 145 FEXL	BA9S	V110	~	~	8	8
29051	LD 145 FEXL	BA9S	V230/240	~	~	1	1
29052	LD 145 FEXL	BA9S	V230/240	~	~	2	2
29053	LD 145 FEXL	BA9S	V230/240	~	~	3	3
29055	LD 145 FEXL	BA9S	V230/240	~	~	5	5
29056	LD 145 FEXL	BA9S	V230/240	~	~	6	6
29058	LD 145 FEXL	BA9S	V230/240	~	~	8	8
29341	LD 145 FEXL	BA15S	V12	---	~	1	1
29342	LD 145 FEXL	BA15S	V12	---	~	2	2
29343	LD 145 FEXL	BA15S	V12	---	~	3	3
29345	LD 145 FEXL	BA15S	V12	---	~	5	5
29346	LD 145 FEXL	BA15S	V12	---	~	6	6
29348	LD 145 FEXL	BA15S	V12	---	~	8	8
29351	LD 145 FEXL	BA15S	V24	---	~	1	1
29352	LD 145 FEXL	BA15S	V24	---	~	2	2
29353	LD 145 FEXL	BA15S	V24	---	~	3	3
29355	LD 145 FEXL	BA15S	V24	---	~	5	5
29356	LD 145 FEXL	BA15S	V24	---	~	6	6
29358	LD 145 FEXL	BA15S	V24	---	~	8	8
29361	LD 145 FEXL	BA15S	V48	---	~	1	1
29362	LD 145 FEXL	BA15S	V48	---	~	2	2
29363	LD 145 FEXL	BA15S	V48	---	~	3	3
29365	LD 145 FEXL	BA15S	V48	---	~	5	5
29366	LD 145 FEXL	BA15S	V48	---	~	6	6





LD 495 F



E27

Codice Code Código	LD	Zoccolo Socket Culot Socket Zócalo				
35601	LD 495 FXL	E27	V12	---	~	1
35602	LD 495 FXL	E27	V12	---	~	2
35603	LD 495 FXL	E27	V12	---	~	3
35605	LD 495 FXL	E27	V12	---	~	5
35606	LD 495 FXL	E27	V12	---	~	6
35608	LD 495 FXL	E27	V12	---	~	8
35611	LD 495 FXL	E27	V24	---	~	1
35612	LD 495 FXL	E27	V24	---	~	2
35613	LD 495 FXL	E27	V24	---	~	3
35615	LD 495 FXL	E27	V24	---	~	5
35616	LD 495 FXL	E27	V24	---	~	6
35618	LD 495 FXL	E27	V24	---	~	8
35641	LD 495 FXL	E27	V230/240	~	~	1
35642	LD 495 FXL	E27	V230/240	~	~	2
35643	LD 495 FXL	E27	V230/240	~	~	3
35645	LD 495 FXL	E27	V230/240	~	~	5
35646	LD 495 FXL	E27	V230/240	~	~	6
35648	LD 495 FXL	E27	V230/240	~	~	8



LD 37Q F



E27

Codice Code Código	LD	Zoccolo Socket Culot Socket Zócalo				
35661	LD 1085 FXL	E27	V24	---	~	1
35662	LD 1085 FXL	E27	V24	---	~	2
35663	LD 1085 FXL	E27	V24	---	~	3
35665	LD 1085 FXL	E27	V24	---	~	5
35666	LD 1085 FXL	E27	V24	---	~	6
35668	LD 1085 FXL	E27	V24	---	~	8
35691	LD 1085 FXL	E27	V230/240	~	~	1
35692	LD 1085 FXL	E27	V230/240	~	~	2
35693	LD 1085 FXL	E27	V230/240	~	~	3
35695	LD 1085 FXL	E27	V230/240	~	~	5
35696	LD 1085 FXL	E27	V230/240	~	~	6
35698	LD 1085 FXL	E27	V230/240	~	~	8

Codice Code Código	LD	Zoccolo Socket Culot Socket 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



LD 1085 F



E27



Codice Code Código	LD	Zoccolo Socket Culiet Socket Zoccolo	V230	~	2
35042	LD 51Q F	E27	V230	~	2
35043	LD 51Q F	E27	V230	~	3
35048	LD 51Q F	E27	V230	~	8



Per SEMAFORI Ø 200 mm
For TRAFFIC LIGHTS Ø 200 mm
Pour FEUX DE SIGNALISATION Ø 200 mm
Für SIGNALAMPELN 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 SIGNALAMPELN Ø 300 mm
Para SEMÁFOROS Ø 300 mm

LD 100Q F



E27

Codice Code Código	LD	Zoccolo Socket Culiet Socket Zoccolo	V230	~	2
35052	LD 100Q F	E27	V230	~	2
35053	LD 100Q F	E27	V230	~	3
35058	LD 100Q F	E27	V230	~	8



1											2
2											3
3											4
4											5
5											6
6											7
7											8
8											9
9											10
10											11
11											12
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62											63
63											64
64											65

28711	LD 103	EXL	BA15S	V110	---	~	1	1
28712	LD 103		BA15S	V110	---	~	2	2
28713	LD 103		BA15S	V110	---	~	3	3
28715	LD 103		BA15S	V110	---	~	5	5
28716	LD 103		BA15S	V110	---	~	6	6
28718	LD 103	EXL	BA15S	V110	---	~	8	8
28721	LD 103	EXL	BA15S	V230/240	---	~	1	1
28722	LD 103		BA15S	V230/240	---	~	2	2
28723	LD 103		BA15S	V230/240	---	~	3	3
28725	LD 103		BA15S	V230/240	---	~	5	5
28726	LD 103		BA15S	V230/240	---	~	6	6
28728	LD 103	EXL	BA15S	V230/240	---	~	8	8
29491	LD 103	EXL	BA15D	V12	---	~	1	1
29492	LD 103		BA15D	V12	---	~	2	2
29493	LD 103		BA15D	V12	---	~	3	3
29495	LD 103		BA15D	V12	---	~	5	5
29496	LD 103		BA15D	V12	---	~	6	6
29498	LD 103	EXL	BA15D	V12	---	~	8	8
27801	LD 103	EXL	BA15D	V24	---	~	1	1
27802	LD 103		BA15D	V24	---	~	2	2
27803	LD 103		BA15D	V24	---	~	3	3
27805	LD 103		BA15D	V24	---	~	5	5
27806	LD 103		BA15D	V24	---	~	6	6
27808	LD 103	EXL	BA15D	V24	---	~	8	8
29501	LD 103	EXL	BA15D	V48	---	~	1	1
29502	LD 103		BA15D	V48	---	~	2	2
29503	LD 103		BA15D	V48	---	~	3	3
29505	LD 103		BA15D	V48	---	~	5	5
29506	LD 103		BA15D	V48	---	~	6	6
29508	LD 103	EXL	BA15D	V48	---	~	8	8
29511	LD 103	EXL	BA15D	V110	---	~	1	1
29512	LD 103		BA15D	V110	---	~	2	2
29513	LD 103		BA15D	V110	---	~	3	3
29515	LD 103		BA15D	V110	---	~	5	5
29516	LD 103		BA15D	V110	---	~	6	6
29518	LD 103	EXL	BA15D	V110	---	~	8	8
29521	LD 103	EXL	BA15D	V230/240	---	~	1	1
29522	LD 103		BA15D	V230/240	---	~	2	2
29523	LD 103		BA15D	V230/240	---	~	3	3
29525	LD 103		BA15D	V230/240	---	~	5	5
29526	LD 103		BA15D	V230/240	---	~	6	6
29528	LD 103	EXL	BA15D	V230/240	---	~	8	8
28101	LD 103	EXL	E10	V12	---	~	1	1
28102	LD 103		E10	V12	---	~	2	2
28103	LD 103		E10	V12	---	~	3	3
28105	LD 103		E10	V12	---	~	5	5
28106	LD 103		E10	V12	---	~	6	6
28108	LD 103	EXL	E10	V12	---	~	8	8
27861	LD 103	EXL	E10	V24	---	~	1	1
27862	LD 103		E10	V24	---	~	2	2
27863	LD 103		E10	V24	---	~	3	3
27865	LD 103		E10	V24	---	~	5	5
27866	LD 103		E10	V24	---	~	6	6
27868	LD 103	EXL	E10	V24	---	~	8	8
28121	LD 103	EXL	E10	V48	---	~	1	1
28122	LD 103		E10	V48	---	~	2	2
28123	LD 103		E10	V48	---	~	3	3
28125	LD 103		E10	V48	---	~	5	5
28126	LD 103		E10	V48	---	~	6	6
28128	LD 103	EXL	E10	V48	---	~	8	8
28131	LD 103	EXL	E10	V110	---	~	1	1
28132	LD 103		E10	V110	---	~	2	2
28133	LD 103		E10	V110	---	~	3	3
28135	LD 103		E10	V110	---	~	5	5
28136	LD 103		E10	V110	---	~	6	6

28138	LD 103	EXL	E10	V110	~	8
28141	LD 103	EXL	E10	V230/240	~	1
28142	LD 103		E10	V230/240	~	2
28143	LD 103		E10	V230/240	~	3
28145	LD 103		E10	V230/240	~	5
28146	LD 103		E10	V230/240	~	6
28148	LD 103	EXL	E10	V230/240	~	8
28781	LD 103	EXL	E14	V12	---~	1
28782	LD 103		E14	V12	---~	2
28783	LD 103		E14	V12	---~	3
28785	LD 103		E14	V12	---~	5
28786	LD 103		E14	V12	---~	6
28788	LD 103	EXL	E14	V12	---~	8
28791	LD 103	EXL	E14	V24	---~	1
28792	LD 103		E14	V24	---~	2
28793	LD 103		E14	V24	---~	3
28795	LD 103		E14	V24	---~	5
28796	LD 103		E14	V24	---~	6
28798	LD 103	EXL	E14	V24	---~	8
28801	LD 103	EXL	E14	V48	---~	1
28802	LD 103		E14	V48	---~	2
28803	LD 103		E14	V48	---~	3
28805	LD 103		E14	V48	---~	5
28806	LD 103		E14	V48	---~	6
28808	LD 103	EXL	E14	V48	---~	8
28811	LD 103	EXL	E14	V110	~	1
28812	LD 103		E14	V110	~	2
28813	LD 103		E14	V110	~	3
28815	LD 103		E14	V110	~	5
28816	LD 103		E14	V110	~	6
28818	LD 103	EXL	E14	V110	~	8
28821	LD 103	EXL	E14	V230/240	~	1
28822	LD 103		E14	V230/240	~	2
28823	LD 103		E14	V230/240	~	3
28825	LD 103		E14	V230/240	~	5
28826	LD 103		E14	V230/240	~	6
28828	LD 103	EXL	E14	V230/240	~	8

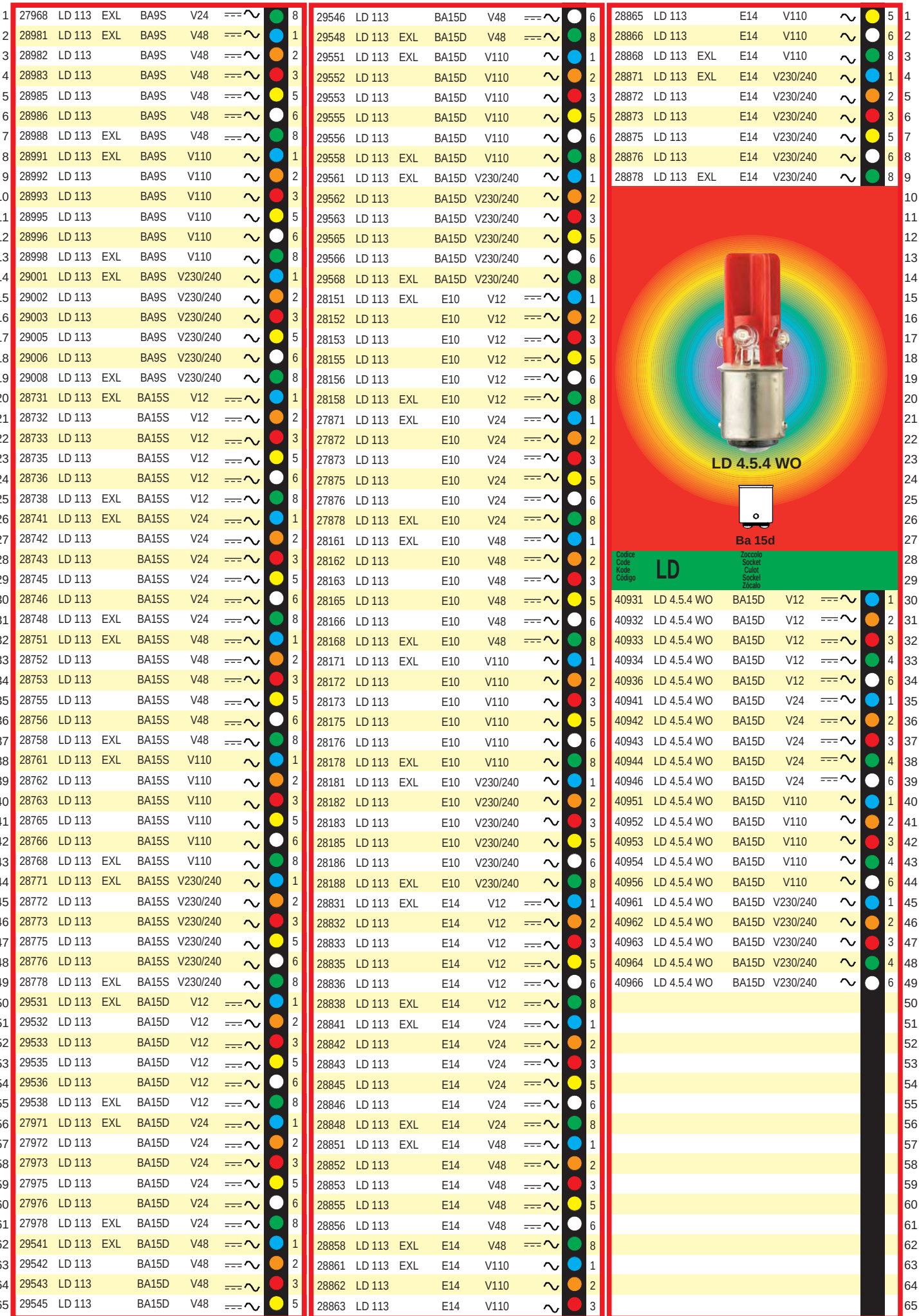


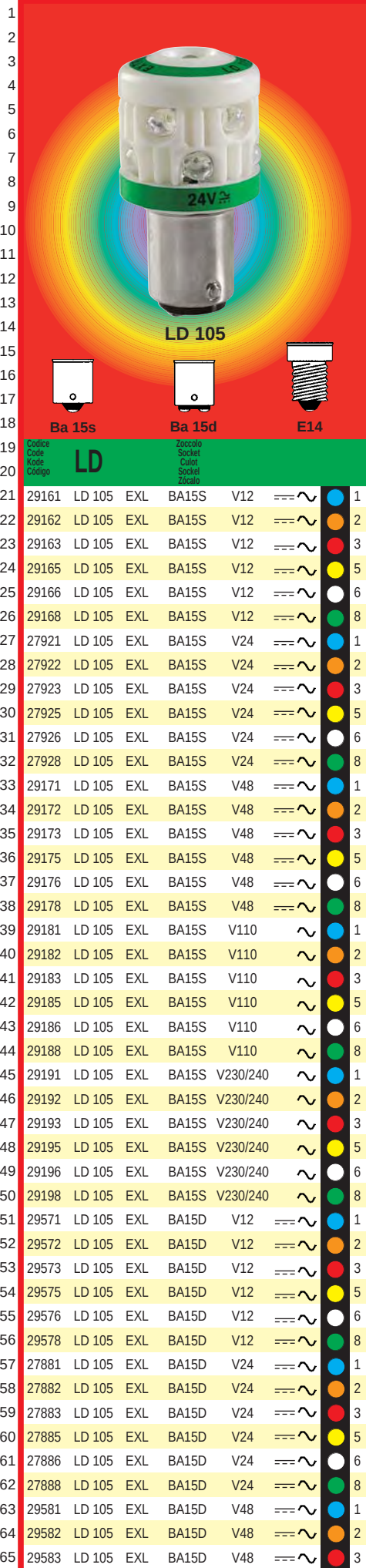
LD 113



Ba 9sBa 15sBa 15dE10E14

LD		Zosetle Socket Culot Socket Zakato				
28971	LD 113	EXL	BA9S	V12	---~	1
28972	LD 113		BA9S	V12	---~	2
28973	LD 113		BA9S	V12	---~	3
28975	LD 113		BA9S	V12	---~	5
28976	LD 113	EXL	BA9S	V12	---~	6
28978	LD 113	EXL	BA9S	V12	---~	8
27961	LD 113		BA9S	V24	---~	1
27962	LD 113		BA9S	V24	---~	2
27963	LD 113		BA9S	V24	---~	3
27965	LD 113		BA9S	V24	---~	5
27966	LD 113		BA9S	V24	---~	6





									
LD 105 ELLISSE									
									
Ba 15d									
Codice Code Código	LD	Zoccolo Socket Culot Socket Zócalo							
27901	LD 105	EXL BA15D ELL.	V12	---	~		1		
27902	LD 105	EXL BA15D ELL.	V12	---	~		2		
27903	LD 105	EXL BA15D ELL.	V12	---	~		3		
27905	LD 105	EXL BA15D ELL.	V12	---	~		5		
27906	LD 105	EXL BA15D ELL.	V12	---	~		6		
27908	LD 105	EXL BA15D ELL.	V12	---	~		8		
27811	LD 105	EXL BA15D ELL.	V24	---	~		1		
27812	LD 105	EXL BA15D ELL.	V24	---	~		2		
27813	LD 105	EXL BA15D ELL.	V24	---	~		3		
27815	LD 105	EXL BA15D ELL.	V24	---	~		5		
27816	LD 105	EXL BA15D ELL.	V24	---	~		6		
27818	LD 105	EXL BA15D ELL.	V24	---	~		8		
27821	LD 105	EXL BA15D ELL.	V48	---	~		1		
27822	LD 105	EXL BA15D ELL.	V48	---	~		2		
27823	LD 105	EXL BA15D ELL.	V48	---	~		3		
27825	LD 105	EXL BA15D ELL.	V48	---	~		5		
27826	LD 105	EXL BA15D ELL.	V48	---	~		6		
27828	LD 105	EXL BA15D ELL.	V48	---	~		8		
27911	LD 105	EXL BA15D ELL.	V110	~			1		
27912	LD 105	EXL BA15D ELL.	V110	~			2		
27913	LD 105	EXL BA15D ELL.	V110	~			3		
27915	LD 105	EXL BA15D ELL.	V110	~			5		
27916	LD 105	EXL BA15D ELL.	V110	~			6		
27918	LD 105	EXL BA15D ELL.	V110	~			8		
29741	LD 105	EXL BA15D ELL.V230/240		~			1		
29742	LD 105	EXL BA15D ELL.V230/240		~			2		
29743	LD 105	EXL BA15D ELL.V230/240		~			3		
29745	LD 105	EXL BA15D ELL.V230/240		~			5		
29746	LD 105	EXL BA15D ELL.V230/240		~			6		
29748	LD 105	EXL BA15D ELL.V230/240		~			8		



LD 115



Ba 15s



Ba 15d



E14

Codice Code Codigo	LD	Zoccolo Socket Culot Zócalo
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29201	LD 115	EXL	BA15S	V12	---	~	1
29202	LD 115	EXL	BA15S	V12	---	~	2
29203	LD 115	EXL	BA15S	V12	---	~	3
29205	LD 115	EXL	BA15S	V12	---	~	5
29206	LD 115	EXL	BA15S	V12	---	~	6
29208	LD 115	EXL	BA15S	V12	---	~	8
27931	LD 115	EXL	BA15S	V24	---	~	1
27932	LD 115	EXL	BA15S	V24	---	~	2
27933	LD 115	EXL	BA15S	V24	---	~	3
27935	LD 115	EXL	BA15S	V24	---	~	5
27936	LD 115	EXL	BA15S	V24	---	~	6
27938	LD 115	EXL	BA15S	V24	---	~	8
29211	LD 115	EXL	BA15S	V48	---	~	1
29212	LD 115	EXL	BA15S	V48	---	~	2
29213	LD 115	EXL	BA15S	V48	---	~	3
29215	LD 115	EXL	BA15S	V48	---	~	5
29216	LD 115	EXL	BA15S	V48	---	~	6
29218	LD 115	EXL	BA15S	V48	---	~	8
29221	LD 115	EXL	BA15S	V110	---	~	1
29222	LD 115	EXL	BA15S	V110	---	~	2
29223	LD 115	EXL	BA15S	V110	---	~	3
29225	LD 115	EXL	BA15S	V110	---	~	5
29226	LD 115	EXL	BA15S	V110	---	~	6
29228	LD 115	EXL	BA15S	V110	---	~	8
29231	LD 115	EXL	BA15S	V230/240	---	~	1
29232	LD 115	EXL	BA15S	V230/240	---	~	2
29233	LD 115	EXL	BA15S	V230/240	---	~	3
29235	LD 115	EXL	BA15S	V230/240	---	~	5
29236	LD 115	EXL	BA15S	V230/240	---	~	6
29238	LD 115	EXL	BA15S	V230/240	---	~	8
29651	LD 115	EXL	BA15D	V12	---	~	1
29652	LD 115	EXL	BA15D	V12	---	~	2
29653	LD 115	EXL	BA15D	V12	---	~	3
29655	LD 115	EXL	BA15D	V12	---	~	5
29656	LD 115	EXL	BA15D	V12	---	~	6
29658	LD 115	EXL	BA15D	V12	---	~	8
27891	LD 115	EXL	BA15D	V24	---	~	1
27892	LD 115	EXL	BA15D	V24	---	~	2
27893	LD 115	EXL	BA15D	V24	---	~	3
27895	LD 115	EXL	BA15D	V24	---	~	5
27896	LD 115	EXL	BA15D	V24	---	~	6
27898	LD 115	EXL	BA15D	V24	---	~	8
29661	LD 115	EXL	BA15D	V48	---	~	1
29662	LD 115	EXL	BA15D	V48	---	~	2
29663	LD 115	EXL	BA15D	V48	---	~	3

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



LD 205



Ba 15s



Ba 15d



E14



E27

Codice Code Codigo	LD	Zoccolo Socket Culot Zócalo
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29241	LD 205	EXL	BA15S	V12	---	~	1
29242	LD 205	EXL	BA15S	V12	---	~	2
29243	LD 205	EXL	BA15S	V12	---	~	3
29245	LD 205	EXL	BA15S	V12	---	~	5
29246	LD 205	EXL	BA15S	V12	---	~	6
29248	LD 205	EXL	BA15S	V12	---	~	8
29251	LD 205	EXL	BA15S	V24	---	~	1
29252	LD 205	EXL	BA15S	V24	---	~	2
29253	LD 205	EXL	BA15S	V24	---	~	3
29255	LD 205	EXL	BA15S	V24	---	~	5
29256	LD 205	EXL	BA15S	V24	---	~	6
29258	LD 205	EXL	BA15S	V24	---	~	8
29261	LD 205	EXL	BA15S	V48	---	~	1
29262	LD 205	EXL	BA15S	V48	---	~	2
29263	LD 205	EXL	BA15S	V48	---	~	3
29265	LD 205	EXL	BA15S	V48	---	~	5
29266	LD 205	EXL	BA15S	V48	---	~	6
29268	LD 205	EXL	BA15S	V48	---	~	8
29271	LD 205	EXL	BA15S	V110	---	~	1
29272	LD 205	EXL	BA15S	V110	---	~	2
29273	LD 205	EXL	BA15S	V110	---	~	3
29275	LD 205	EXL	BA15S	V110	---	~	5
29276	LD 205	EXL	BA15S	V110	---	~	6
29278	LD 205	EXL	BA15S	V110	---	~	8
29281	LD 205	EXL	BA15S	V230/240	---	~	1
29282	LD 205	EXL	BA15S	V230/240	---	~	2
29283	LD 205	EXL	BA15S	V230/240	---	~	3
29285	LD 205	EXL	BA15S	V230/240	---	~	5
29286	LD 205	EXL	BA15S	V230/240	---	~	6
29288	LD 205	EXL	BA15S	V230/240	---	~	8
29691	LD 205	EXL	BA15D	V12	---	~	1
29692	LD 205	EXL	BA15D	V12	---	~	2
29693	LD 205	EXL	BA15D	V12	---	~	3
29695	LD 205	EXL	BA15D	V12	---	~	5
29696	LD 205	EXL	BA15D	V12	---	~	6
29698	LD 205	EXL	BA15D	V12	---	~	8
27991	LD 205	EXL	BA15D	V24	---	~	1
27992	LD 205	EXL	BA15D	V24	---	~	2
27993	LD 205	EXL	BA15D	V24	---	~	3

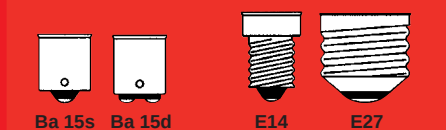


1	27995	LD 205	EXL	BA15D	V24	---	~	~	5
2	27996	LD 205	EXL	BA15D	V24	---	~	~	6
3	27998	LD 205	EXL	BA15D	V24	---	~	~	8
4	29701	LD 205	EXL	BA15D	V48	---	~	~	1
5	29702	LD 205	EXL	BA15D	V48	---	~	~	2
6	29703	LD 205	EXL	BA15D	V48	---	~	~	3
7	29705	LD 205	EXL	BA15D	V48	---	~	~	5
8	29706	LD 205	EXL	BA15D	V48	---	~	~	6
9	29708	LD 205	EXL	BA15D	V48	---	~	~	8
10	29711	LD 205	EXL	BA15D	V110	~	~	~	1
11	29712	LD 205	EXL	BA15D	V110	~	~	~	2
12	29713	LD 205	EXL	BA15D	V110	~	~	~	3
13	29715	LD 205	EXL	BA15D	V110	~	~	~	5
14	29716	LD 205	EXL	BA15D	V110	~	~	~	6
15	29718	LD 205	EXL	BA15D	V110	~	~	~	8
16	29721	LD 205	EXL	BA15D	V230/240	~	~	~	1
17	29722	LD 205	EXL	BA15D	V230/240	~	~	~	2
18	29723	LD 205	EXL	BA15D	V230/240	~	~	~	3
19	29725	LD 205	EXL	BA15D	V230/240	~	~	~	5
20	29726	LD 205	EXL	BA15D	V230/240	~	~	~	6
21	29728	LD 205	EXL	BA15D	V230/240	~	~	~	8
22	28431	LD 205	EXL	E14	V12	---	~	~	1
23	28432	LD 205	EXL	E14	V12	---	~	~	2
24	28433	LD 205	EXL	E14	V12	---	~	~	3
25	28435	LD 205	EXL	E14	V12	---	~	~	5
26	28436	LD 205	EXL	E14	V12	---	~	~	6
27	28438	LD 205	EXL	E14	V12	---	~	~	8
28	28441	LD 205	EXL	E14	V24	---	~	~	1
29	28442	LD 205	EXL	E14	V24	---	~	~	2
30	28443	LD 205	EXL	E14	V24	---	~	~	3
31	28445	LD 205	EXL	E14	V24	---	~	~	5
32	28446	LD 205	EXL	E14	V24	---	~	~	6
33	28448	LD 205	EXL	E14	V24	---	~	~	8
34	28451	LD 205	EXL	E14	V48	---	~	~	1
35	28452	LD 205	EXL	E14	V48	---	~	~	2
36	28453	LD 205	EXL	E14	V48	---	~	~	3
37	28455	LD 205	EXL	E14	V48	---	~	~	5
38	28456	LD 205	EXL	E14	V48	---	~	~	6
39	28458	LD 205	EXL	E14	V48	---	~	~	8
40	28461	LD 205	EXL	E14	V110	~	~	~	1
41	28462	LD 205	EXL	E14	V110	~	~	~	2
42	28463	LD 205	EXL	E14	V110	~	~	~	3
43	28465	LD 205	EXL	E14	V110	~	~	~	5
44	28466	LD 205	EXL	E14	V110	~	~	~	6
45	28468	LD 205	EXL	E14	V110	~	~	~	8
46	28471	LD 205	EXL	E14	V230/240	~	~	~	1
47	28472	LD 205	EXL	E14	V230/240	~	~	~	2
48	28473	LD 205	EXL	E14	V230/240	~	~	~	3
49	28475	LD 205	EXL	E14	V230/240	~	~	~	5
50	28476	LD 205	EXL	E14	V230/240	~	~	~	6
51	28478	LD 205	EXL	E14	V230/240	~	~	~	8
52	37151	LD 205	EXL	E27	V12	---	~	~	1
53	37152	LD 205	EXL	E27	V12	---	~	~	2
54	37153	LD 205	EXL	E27	V12	---	~	~	3
55	37155	LD 205	EXL	E27	V12	---	~	~	5
56	37156	LD 205	EXL	E27	V12	---	~	~	6
57	37158	LD 205	EXL	E27	V12	---	~	~	8
58	37161	LD 205	EXL	E27	V24	---	~	~	1
59	37162	LD 205	EXL	E27	V24	---	~	~	2
60	37163	LD 205	EXL	E27	V24	---	~	~	3
61	37165	LD 205	EXL	E27	V24	---	~	~	5
62	37166	LD 205	EXL	E27	V24	---	~	~	6
63	37168	LD 205	EXL	E27	V24	---	~	~	8
64	37171	LD 205	EXL	E27	V48	---	~	~	1
65	37172	LD 205	EXL	E27	V48	---	~	~	2

37173	LD 205	EXL	E27	V48	---	~	~	3
37175	LD 205	EXL	E27	V48	---	~	~	5
37176	LD 205	EXL	E27	V48	---	~	~	6
37178	LD 205	EXL	E27	V48	---	~	~	8
37181	LD 205	EXL	E27	V110	~	~	~	1
37182	LD 205	EXL	E27	V110	~	~	~	2
37183	LD 205	EXL	E27	V110	~	~	~	3
37185	LD 205	EXL	E27	V110	~	~	~	5
37186	LD 205	EXL	E27	V110	~	~	~	6
37188	LD 205	EXL	E27	V110	~	~	~	8
37191	LD 205	EXL	E27	V230/240	~	~	~	1
37192	LD 205	EXL	E27	V230/240	~	~	~	2
37193	LD 205	EXL	E27	V230/240	~	~	~	3
37195	LD 205	EXL	E27	V230/240	~	~	~	5
37196	LD 205	EXL	E27	V230/240	~	~	~	6
37198	LD 205	EXL	E27	V230/240	~	~	~	8



LD 305



Color Code	Code	Color	Socket	Socket	Socket	Socket	Socket	Socket	Socket
LD	LD	LD	LD	LD	LD	LD	LD	LD	LD
34551	LD 305	EXL	BA15S	V12	---	~	~	1	
34552	LD 305	EXL	BA15S	V12	---	~	~	2	
34553	LD 305	EXL	BA15S	V12	---	~	~	3	
34555	LD 305	EXL	BA15S	V12	---	~	~	5	
34556	LD 305	EXL	BA15S	V12	---	~	~	6	
34558	LD 305	EXL	BA15S	V12	---	~	~	8	
34561	LD 305	EXL	BA15S	V24	---	~	~	1	
34562	LD 305	EXL	BA15S	V24	---	~	~	2	
34563	LD 305	EXL	BA15S	V24	---	~	~	3	
34565	LD 305	EXL	BA15S	V24	---	~	~	5	
34566	LD 305	EXL	BA15S	V24	---	~	~	6	
34568	LD 305	EXL	BA15S	V24	---	~	~	8	
34571	LD 305	EXL	BA15S	V48	---	~	~	1	
34572	LD 305	EXL	BA15S	V48	---	~	~	2	
34573	LD 305	EXL	BA15S	V48	---	~	~	3	
34575	LD 305	EXL	BA15S	V48	---	~	~	5	

34576	LD 305	EXL	BA15S	V48	---	~		6	1
34578	LD 305	EXL	BA15S	V48	---	~		8	2
34581	LD 305	EXL	BA15S	V110		~		1	3
34582	LD 305	EXL	BA15S	V110		~		2	4
34583	LD 305	EXL	BA15S	V110		~		3	5
34585	LD 305	EXL	BA15S	V110		~		5	6
34586	LD 305	EXL	BA15S	V110		~		6	7
34588	LD 305	EXL	BA15S	V110		~		8	8
34591	LD 305	EXL	BA15S	V230/240		~		1	9
34592	LD 305	EXL	BA15S	V230/240		~		2	10
34593	LD 305	EXL	BA15S	V230/240		~		3	11
34595	LD 305	EXL	BA15S	V230/240		~		5	12
34596	LD 305	EXL	BA15S	V230/240		~		6	13
34598	LD 305	EXL	BA15S	V230/240		~		8	14
34501	LD 305	EXL	BA15D	V12	---	~		1	15
34502	LD 305	EXL	BA15D	V12	---	~		2	16
34503	LD 305	EXL	BA15D	V12	---	~		3	17
34505	LD 305	EXL	BA15D	V12	---	~		5	18
34506	LD 305	EXL	BA15D	V12	---	~		6	19
34508	LD 305	EXL	BA15D	V12	---	~		8	20
34511	LD 305	EXL	BA15D	V24	---	~		1	21
34512	LD 305	EXL	BA15D	V24	---	~		2	22
34513	LD 305	EXL	BA15D	V24	---	~		3	23
34515	LD 305	EXL	BA15D	V24	---	~		5	24
34516	LD 305	EXL	BA15D	V24	---	~		6	25
34518	LD 305	EXL	BA15D	V24	---	~		8	26
34521	LD 305	EXL	BA15D	V48	---	~		1	27
34522	LD 305	EXL	BA15D	V48	---	~		2	28
34523	LD 305	EXL	BA15D	V48	---	~		3	29
34525	LD 305	EXL	BA15D	V48	---	~		5	30
34526	LD 305	EXL	BA15D	V48	---	~		6	31
34528	LD 305	EXL	BA15D	V48	---	~		8	32
34531	LD 305	EXL	BA15D	V110		~		1	33
34532	LD 305	EXL	BA15D	V110		~		2	34
34533	LD 305	EXL	BA15D	V110		~		3	35
34535	LD 305	EXL	BA15D	V110		~		5	36
34536	LD 305	EXL	BA15D	V110		~		6	37
34538	LD 305	EXL	BA15D	V110		~		8	38
34541	LD 305	EXL	BA15D	V230/240		~		1	39
34542	LD 305	EXL	BA15D	V230/240		~		2	40
34543	LD 305	EXL	BA15D	V230/240		~		3	41
34545	LD 305	EXL	BA15D	V230/240		~		5	42
34546	LD 305	EXL	BA15D	V230/240		~		6	43
34548	LD 305	EXL	BA15D	V230/240		~		8	44
34601	LD 305	EXL	E14	V12	---	~		1	45
34602	LD 305	EXL	E14	V12	---	~		2	46
34603	LD 305	EXL	E14	V12	---	~		3	47
34605	LD 305	EXL	E14	V12	---	~		5	48
34606	LD 305	EXL	E14	V12	---	~		6	49
34608	LD 305	EXL	E14	V12	---	~		8	50
34611	LD 305	EXL	E14	V24	---	~		1	51
34612	LD 305	EXL	E14	V24	---	~		2	52
34613	LD 305	EXL	E14	V24	---	~		3	53
34615	LD 305	EXL	E14	V24	---	~		5	54
34616	LD 305	EXL	E14	V24	---	~		6	55
34618	LD 305	EXL	E14	V24	---	~		8	56
34621	LD 305	EXL	E14	V48	---	~		1	57
34622	LD 305	EXL	E14	V48	---	~		2	58
34623	LD 305	EXL	E14	V48	---	~		3	59
34625	LD 305	EXL	E14	V48	---	~		5	60
34626	LD 305	EXL	E14	V48	---	~		6	61
34628	LD 305	EXL	E14	V48	---	~		8	62
34631	LD 305	EXL	E14	V110		~		1	63
34632	LD 305	EXL	E14	V110		~		2	64
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 345



E27

Codice Code Codigo	LD	Zoccolo Socket Culot Socket Zácala					
37001	LD 345	EXL	E27	V12	---	1	
37002	LD 345	EXL	E27	V12	---	2	
37003	LD 345	EXL	E27	V12	---	3	
37005	LD 345	EXL	E27	V12	---	5	
37006	LD 345	EXL	E27	V12	---	6	
37008	LD 345	EXL	E27	V12	---	8	
37011	LD 345	EXL	E27	V24	---	1	
37012	LD 345	EXL	E27	V24	---	2	
37013	LD 345	EXL	E27	V24	---	3	
37015	LD 345	EXL	E27	V24	---	5	
37016	LD 345	EXL	E27	V24	---	6	
37018	LD 345	EXL	E27	V24	---	8	
37021	LD 345	EXL	E27	V48	---	1	
37022	LD 345	EXL	E27	V48	---	2	
37023	LD 345	EXL	E27	V48	---	3	
37025	LD 345	EXL	E27	V48	---	5	
37026	LD 345	EXL	E27	V48	---	6	
37028	LD 345	EXL	E27	V48	---	8	
37031	LD 345	EXL	E27	V110	~	1	
37032	LD 345	EXL	E27	V110	~	2	
37033	LD 345	EXL	E27	V110	~	3	
37035	LD 345	EXL	E27	V110	~	5	
37036	LD 345	EXL	E27	V110	~	6	
37038	LD 345	EXL	E27	V110	~	8	
37041	LD 345	EXL	E27	V230/240	~	1	
37042	LD 345	EXL	E27	V230/240	~	2	
37043	LD 345	EXL	E27	V230/240	~	3	
37045	LD 345	EXL	E27	V230/240	~	5	
37046	LD 345	EXL	E27	V230/240	~	6	
37048	LD 345	EXL	E27	V230/240	~	8	



LD 405



E27

Codice Code Codigo	LD	Zoccolo Socket Culot Socket Zácala					
34651	LD 405	EXL	E27	V12	---	1	
34652	LD 405	EXL	E27	V12	---	2	
34653	LD 405	EXL	E27	V12	---	3	
34655	LD 405	EXL	E27	V12	---	5	
34656	LD 405	EXL	E27	V12	---	6	
34658	LD 405	EXL	E27	V12	---	8	
34661	LD 405	EXL	E27	V24	---	1	
34662	LD 405	EXL	E27	V24	---	2	
34663	LD 405	EXL	E27	V24	---	3	
34665	LD 405	EXL	E27	V24	---	5	
34666	LD 405	EXL	E27	V24	---	6	
34668	LD 405	EXL	E27	V24	---	8	
34671	LD 405	EXL	E27	V48	---	1	
34672	LD 405	EXL	E27	V48	---	2	
34673	LD 405	EXL	E27	V48	---	3	
34675	LD 405	EXL	E27	V48	---	5	
34676	LD 405	EXL	E27	V48	---	6	
34678	LD 405	EXL	E27	V48	---	8	
34681	LD 405	EXL	E27	V110	~	1	
34682	LD 405	EXL	E27	V110	~	2	
34683	LD 405	EXL	E27	V110	~	3	
34685	LD 405	EXL	E27	V110	~	5	
34686	LD 405	EXL	E27	V110	~	6	
34688	LD 405	EXL	E27	V110	~	8	
34691	LD 405	EXL	E27	V230/240	~	1	
34692	LD 405	EXL	E27	V230/240	~	2	
34693	LD 405	EXL	E27	V230/240	~	3	
34695	LD 405	EXL	E27	V230/240	~	5	
34696	LD 405	EXL	E27	V230/240	~	6	
34698	LD 405	EXL	E27	V230/240	~	8	



LD 445



E27



LD 545



E27

LD		Zoccolo Socket		Zoccolo Socket		Zoccolo Socket		Zoccolo Socket	
Codice Code Codigo									
37051	LD 445	EXL	E27	V12	---	~	1	1	1
37052	LD 445	EXL	E27	V12	---	~	2	2	2
37053	LD 445	EXL	E27	V12	---	~	3	3	3
37055	LD 445	EXL	E27	V12	---	~	5	5	5
37056	LD 445	EXL	E27	V12	---	~	6	6	6
37058	LD 445	EXL	E27	V12	---	~	8	8	8
37061	LD 445	EXL	E27	V24	---	~	1	1	1
37062	LD 445	EXL	E27	V24	---	~	2	2	2
37063	LD 445	EXL	E27	V24	---	~	3	3	3
37065	LD 445	EXL	E27	V24	---	~	5	5	5
37066	LD 445	EXL	E27	V24	---	~	6	6	6
37068	LD 445	EXL	E27	V24	---	~	8	8	8
37071	LD 445	EXL	E27	V48	---	~	1	1	1
37072	LD 445	EXL	E27	V48	---	~	2	2	2
37073	LD 445	EXL	E27	V48	---	~	3	3	3
37075	LD 445	EXL	E27	V48	---	~	5	5	5
37076	LD 445	EXL	E27	V48	---	~	6	6	6
37078	LD 445	EXL	E27	V48	---	~	8	8	8
37081	LD 445	EXL	E27	V110	---	~	1	1	1
37082	LD 445	EXL	E27	V110	---	~	2	2	2
37083	LD 445	EXL	E27	V110	---	~	3	3	3
37085	LD 445	EXL	E27	V110	---	~	5	5	5
37086	LD 445	EXL	E27	V110	---	~	6	6	6
37088	LD 445	EXL	E27	V110	---	~	8	8	8
37091	LD 445	EXL	E27	V230/240	---	~	1	1	1
37092	LD 445	EXL	E27	V230/240	---	~	2	2	2
37093	LD 445	EXL	E27	V230/240	---	~	3	3	3
37095	LD 445	EXL	E27	V230/240	---	~	5	5	5
37096	LD 445	EXL	E27	V230/240	---	~	6	6	6
37098	LD 445	EXL	E27	V230/240	---	~	8	8	8

37141	LD 545	EXL	E27	V230/240	---	~	1	1	1
37142	LD 545	EXL	E27	V230/240	---	~	2	2	2
37143	LD 545	EXL	E27	V230/240	---	~	3	3	3
37145	LD 545	EXL	E27	V230/240	---	~	5	5	5
37146	LD 545	EXL	E27	V230/240	---	~	6	6	6
37148	LD 545	EXL	E27	V230/240	---	~	8	8	8

LD		Zoccolo Socket		Zoccolo Socket		Zoccolo Socket		Zoccolo Socket	
Codice Code Codigo									
37101	LD 545	EXL	E27	V12	---	~	1	1	1
37102	LD 545	EXL	E27	V12	---	~	2	2	2
37103	LD 545	EXL	E27	V12	---	~	3	3	3
37105	LD 545	EXL	E27	V12	---	~	5	5	5
37106	LD 545	EXL	E27	V12	---	~	6	6	6
37108	LD 545	EXL	E27	V12	---	~	8	8	8
37111	LD 545	EXL	E27	V24	---	~	1	1	1
37112	LD 545	EXL	E27	V24	---	~	2	2	2
37113	LD 545	EXL	E27	V24	---	~	3	3	3
37115	LD 545	EXL	E27	V24	---	~	5	5	5
37116	LD 545	EXL	E27	V24	---	~	6	6	6
37118	LD 545	EXL	E27	V24	---	~	8	8	8
37121	LD 545	EXL	E27	V48	---	~	1	1	1
37122	LD 545	EXL	E27	V48	---	~	2	2	2
37123	LD 545	EXL	E27	V48	---	~	3	3	3
37125	LD 545	EXL	E27	V48	---	~	5	5	5
37126	LD 545	EXL	E27	V48	---	~	6	6	6
37128	LD 545	EXL	E27	V48	---	~	8	8	8
37131	LD 545	EXL	E27	V110	---	~	1	1	1
37132	LD 545	EXL	E27	V110	---	~	2	2	2
37133	LD 545	EXL	E27	V110	---	~	3	3	3
37135	LD 545	EXL	E27	V110	---	~	5	5	5
37136	LD 545	EXL	E27	V110	---	~	6	6	6
37138	LD 545	EXL	E27	V110	---	~	8	8	8



LD 605



E27

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 SO 545



E27

Codice Code Código	LD	Zoccolo Socket Culot Socket Zócalo				
35792	LD SO 545EXL	E27	V230/240	~	2	
35793	LD SO 545EXL	E27	V230/240	~	3	
35795	LD SO 545EXL	E27	V230/240	~	5	
35798	LD SO 545EXL	E27	V230/240	~	8	



LD SO 905



E27

Codice Code Código	LD	Zoccolo Socket Culot Socket Zócalo				
35453	LD SO 905EXL	E27	V12	==~	3	
35463	LD SO 905EXL	E27	V24	==~	3	
35493	LD SO 905EXL	E27	V230/240	~	3	



Código	LD	Zoccolo
Code		Socket
Kode		Culot
Código		Socket
		Zócalo

35543	LD SO 1505 EXL	E27	V230/240	~		3
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LD SO 2105



E27

Codice Code Código	LD	Zoccolo Socket Culot Socket Zócalo
35591	LD SO 2105 EXL	E27 V230/240
35592	LD SO 2105 EXL	E27 V230/240
35593	LD SO 2105 EXL	E27 V230/240
35595	LD SO 2105 EXL	E27 V230/240
35596	LD SO 2105 EXL	E27 V230/240
35598	LD SO 2105 EXL	E27 V230/240



LD SA 835



E27

Codice Code Código	LD	Zoccolo Socket Culot Socket Zócalo
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



LD SA 1195



E27



LD SA 1395



E27

Codice Code Kode Código	LD	Zoccolo Socket Culot Socket Zócalo
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35303	LD SA 1195 EXL E27	V12	==~	●	3
35313	LD SA 1195 EXL E27	V24	==~	●	3
35343	LD SA 1195 EXL E27	V230/240	~	●	3

Codice Code Kode Código	LD	Zoccolo Socket Culot Socket Zócalo
----------------------------------	----	--

34293	LD SA 1395 EXL E27	V230	~	●	3
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E27



E27

[illegible][illegible]



LDV 025



E14

Codice Code Codigo	LD	Zoccolo Socket Culot Socket Zócalo					
37423	LDV 025	EXL	E14	V24	~	●	3
37425	LDV 025	EXL	E14	V24	~	●	5



LDV 035



E14

Codice Code Codigo	LD	Zoccolo Socket Culot Socket Zócalo					
37313	LDV 035	EXL	E14	V24	~	●	3
37315	LDV 035	EXL	E14	V24	~	●	5



LDV 2.5

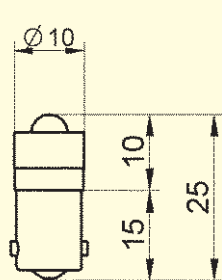


E10 E14

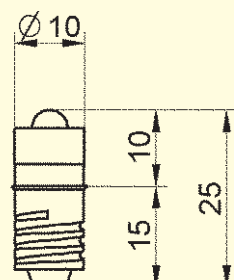
Codice Code Codigo	LD	Zoccolo Socket Culot Socket Zócalo					
37965	LDV 2.5	E10	V12	---	~	●	5
37963	LDV 2.5 R	E10	V12	---	~	●	6
37966	LDV 2.5 G	E10	V12	---	~	●	6
37960	LDV 2.5 EXL	E10	V12	---	~	●	6
37975	LDV 2.5	E10	V24	---	~	●	5
37973	LDV 2.5 R	E10	V24	---	~	●	6
37976	LDV 2.5 G	E10	V24	---	~	●	6
37970	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

LAMPADE A LED - LED BULBS - AMPOULES A LED LED LEUCHTMITTEL - LÁMPARAS DE LED's

LDE S



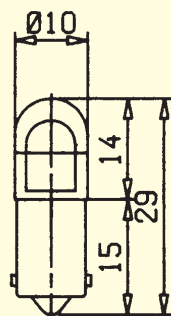
Ba 9s
gr. 2,5



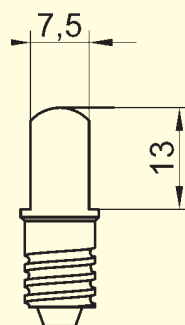
E10
gr. 2,5

ZOCCOLO
SOCKET
CULOT
SOCKET
ZÓCALO

LD 015 F

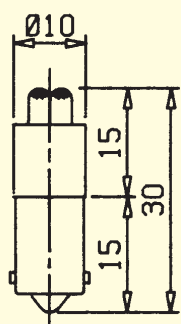


Ba 9s gr. 2,8

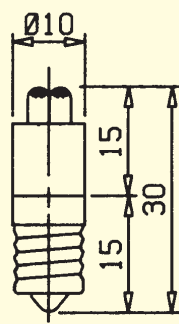


E10 gr. 2,8

LD 024 F

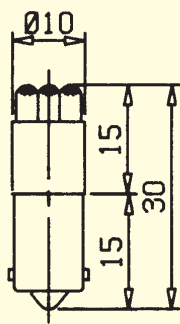


Ba 9s
gr. 3,7

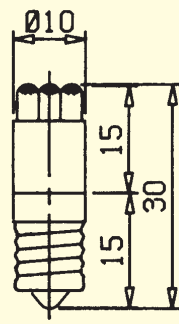


E10
gr. 3,7

LD 034 F

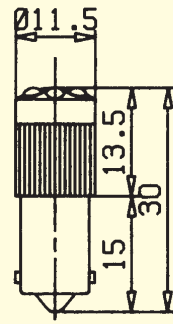


Ba 9s
gr. 3,7

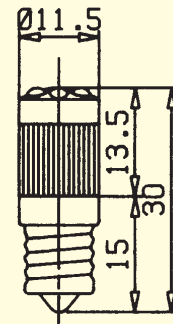


E10
gr. 3,7

LD 044 F

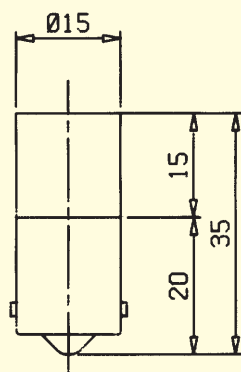


Ba 9s
gr. 3,7

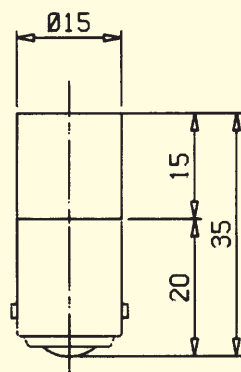


E10
gr. 3,7

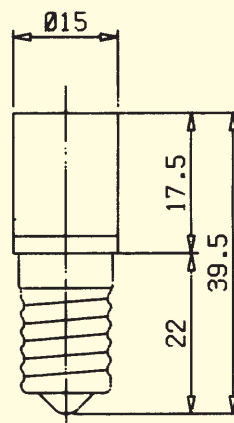
LD 063 F



Ba 15s
gr. 9,0

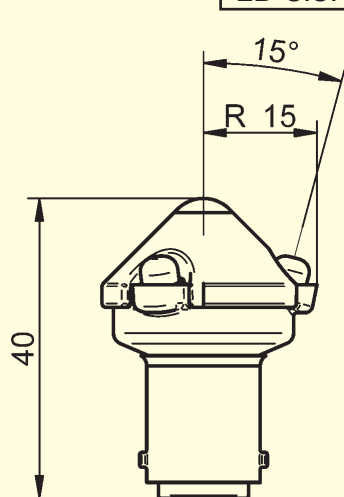


Ba 15d
gr. 9,0

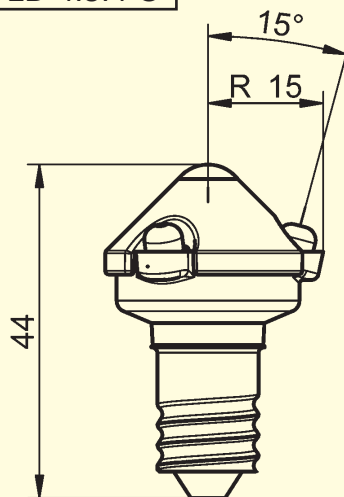


E14
gr. 9,0

LD 3.5.4 C - LD 4.5.4 C

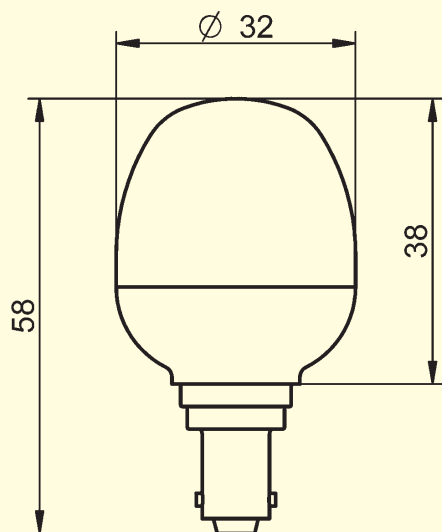


Ba 15d
3.5.4 gr. 13,0
4.5.4 gr. 14,5

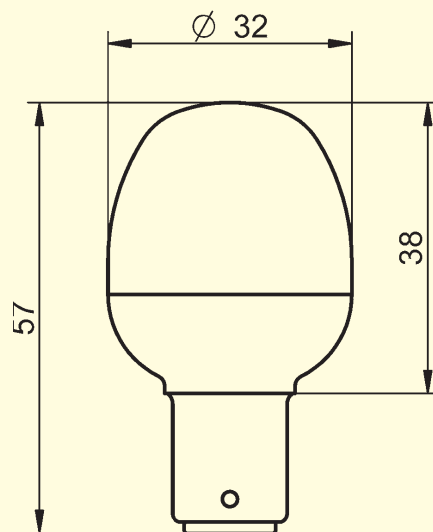


E14
3.5.4 gr. 10,5
4.5.4 gr. 12,0

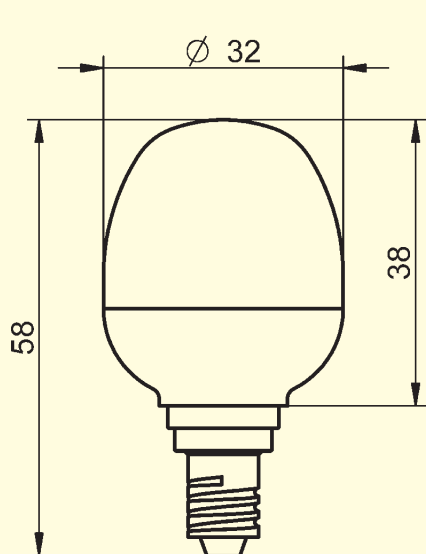
LD 3.5.4 SF - LD 4.5.4 SF



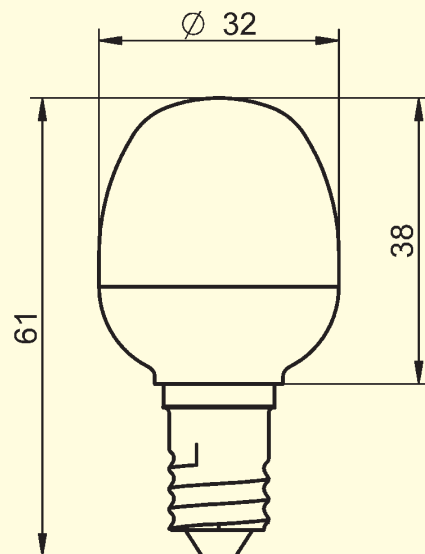
Ba 9s
3.5.4 gr. 19,0
4.5.4 gr. 20,5



Ba 15d
3.5.4 gr. 22,5
4.5.4 gr. 24,0

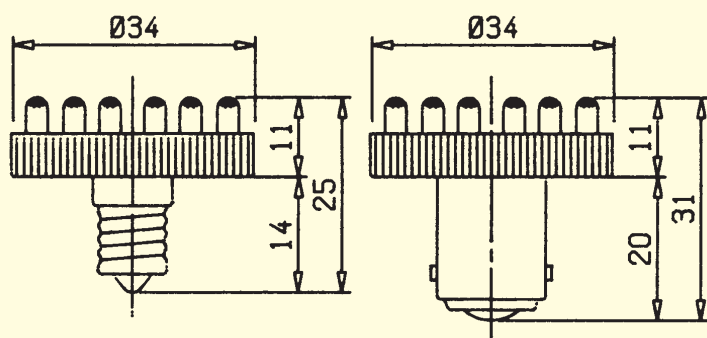


E10
3.5.4 gr. 19,0
4.5.4 gr. 20,5



E14
3.5.4 gr. 21,0
4.5.4 gr. 22,5

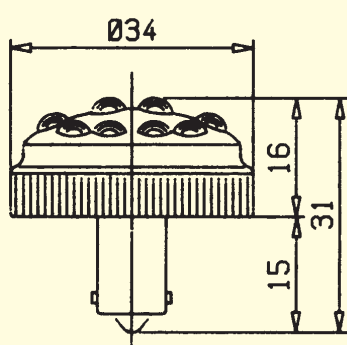
LD 143 F



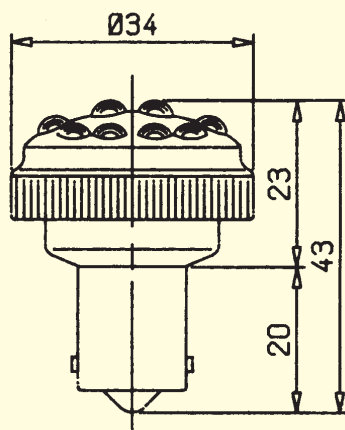
E10
gr. 19,0

Ba 15d
gr. 19,0

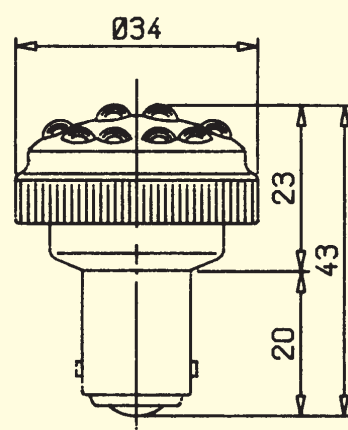
LD 145 F



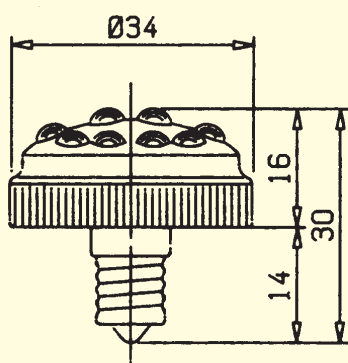
Ba 9s
gr. 13,7



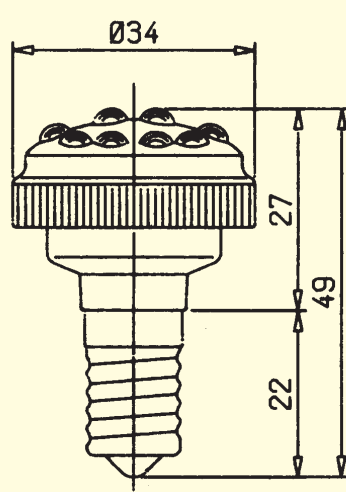
Ba 15s
gr. 19,2



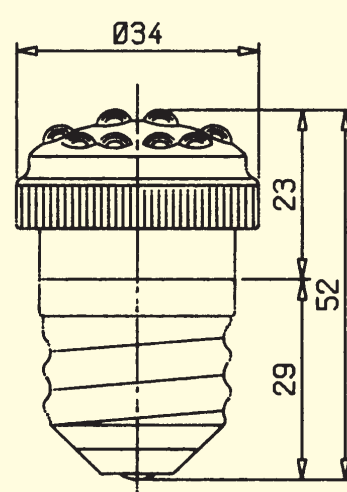
Ba 15d
gr. 19,2



E10
gr. 13,7

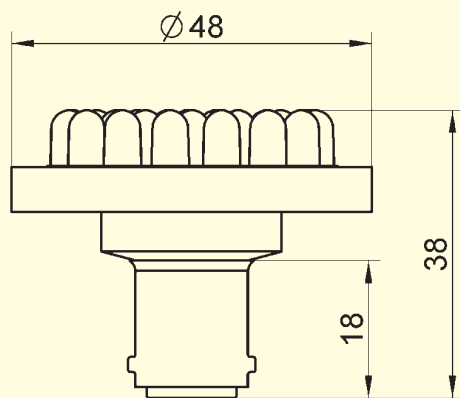


E14
gr. 19,2

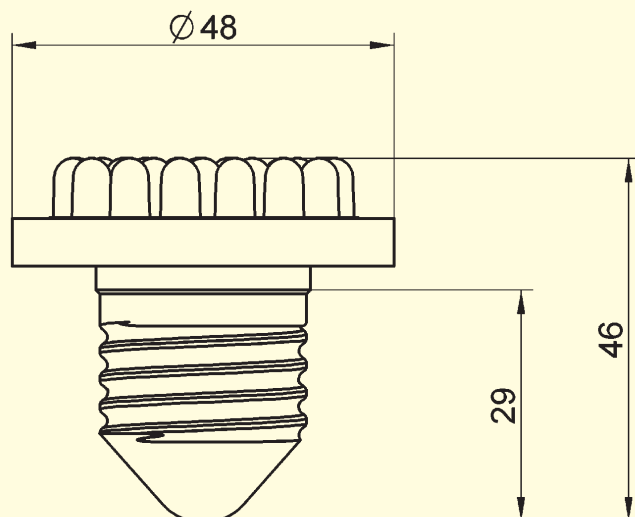


E27
gr. 40,3

LD 295 F

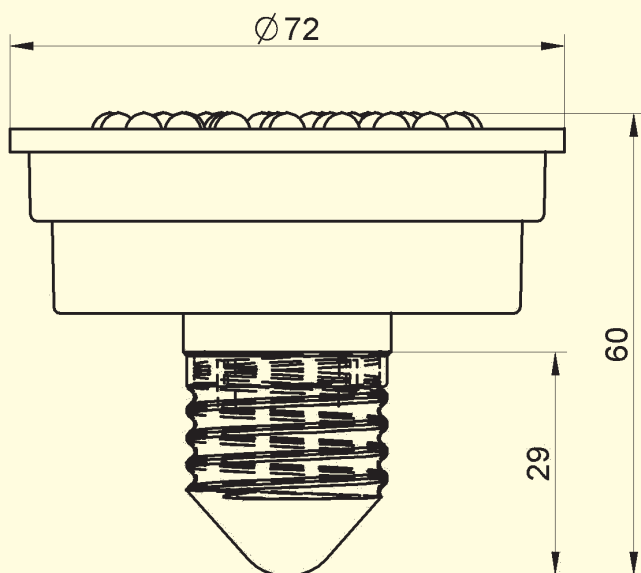


Ba 15d
gr. 33,6



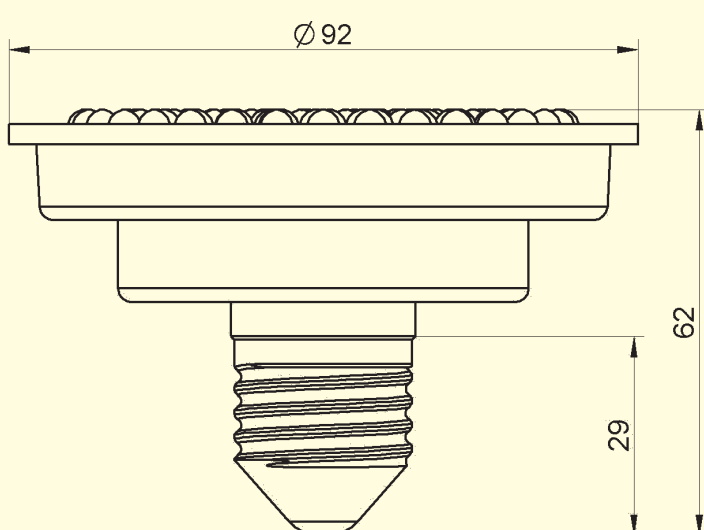
E27
gr. 42,0

LD 495 F



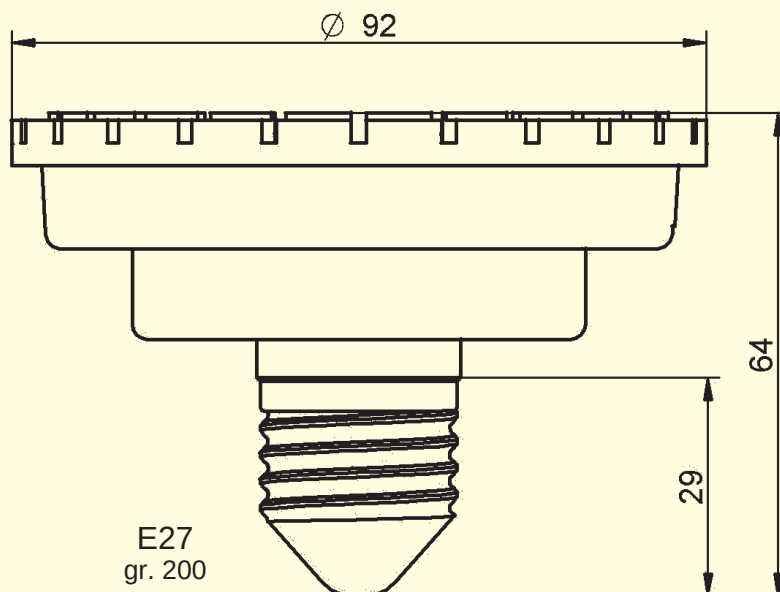
E27
gr. 83,0

LD 1085 F



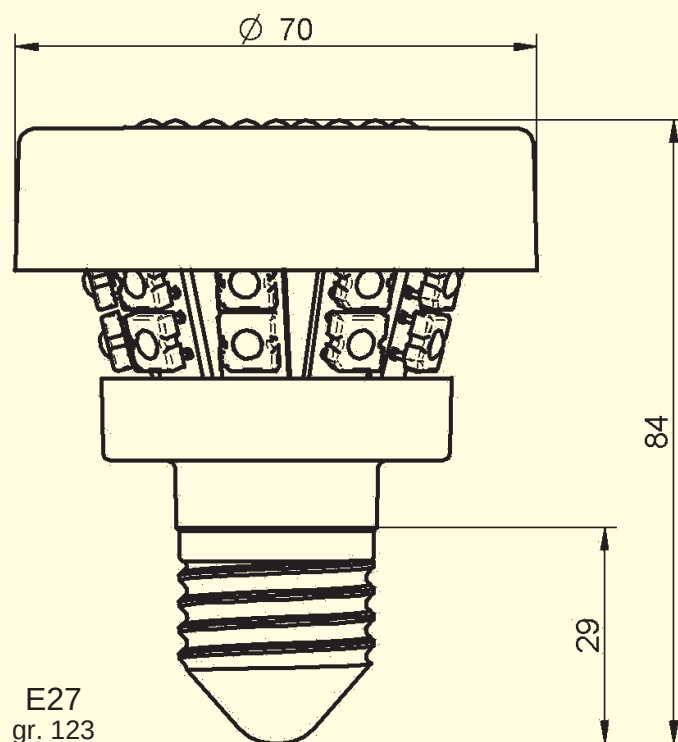
E27
gr. 184,0

LD 37Q F

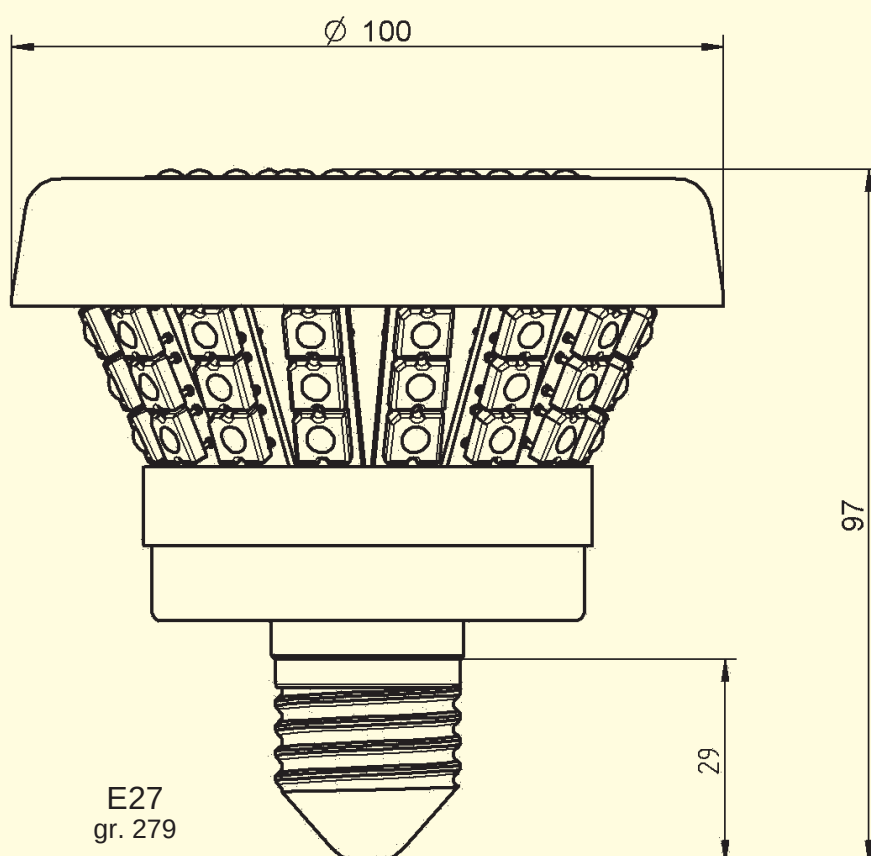


E27
gr. 200

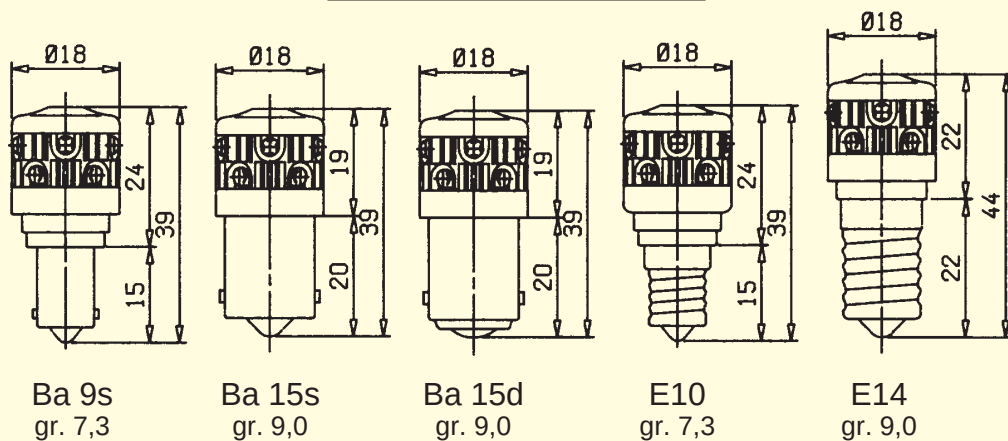
LD 51Q F



LD 100Q F

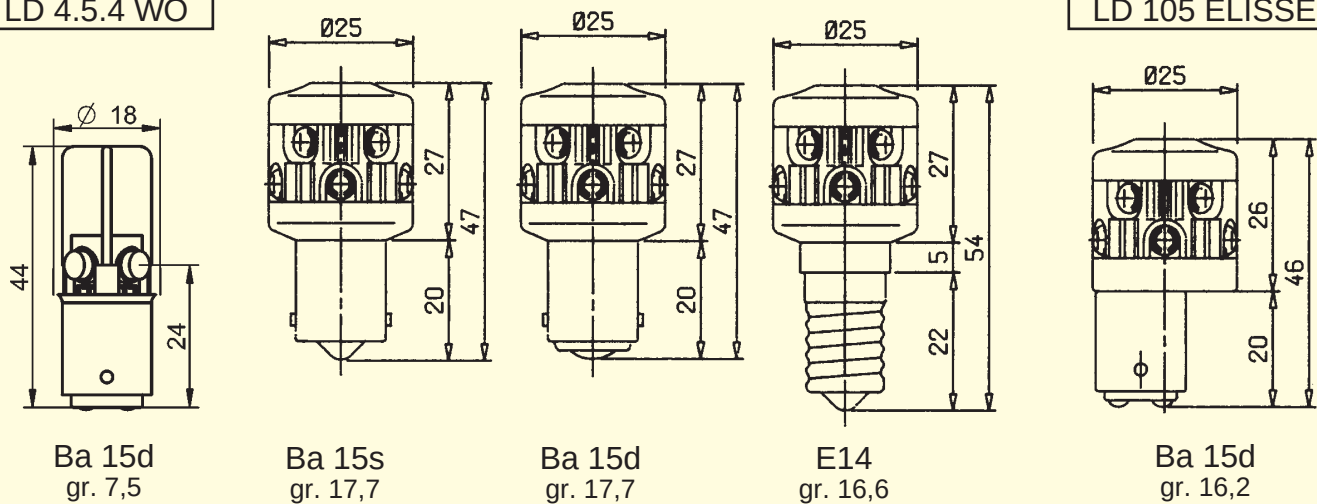


LD 103 - LD 113

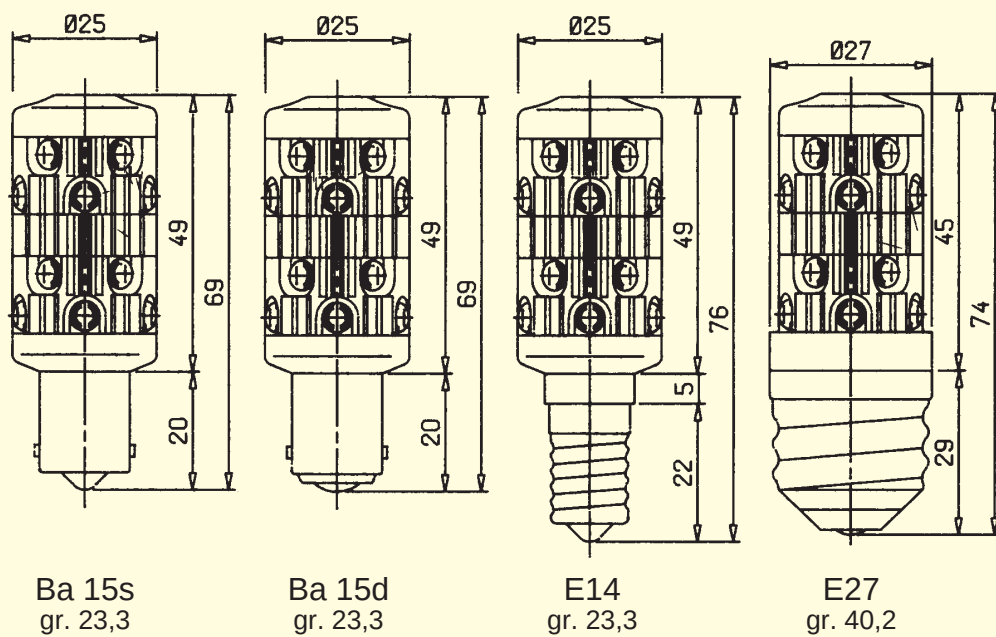


LD 105 - LD 115

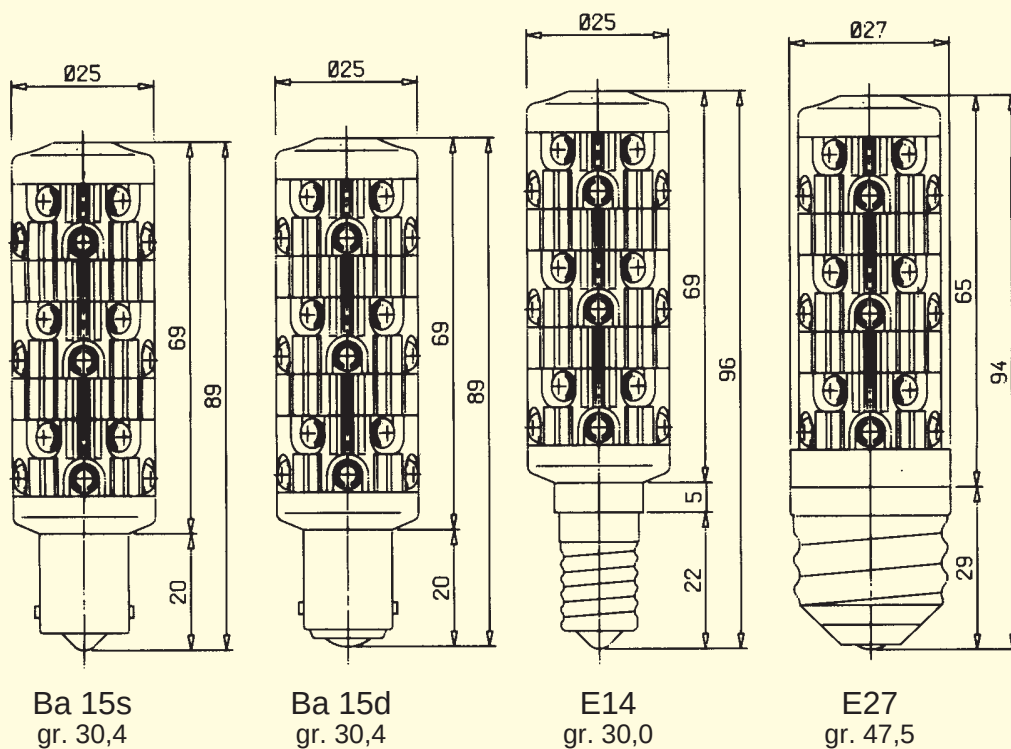
LD 4.5.4 WO



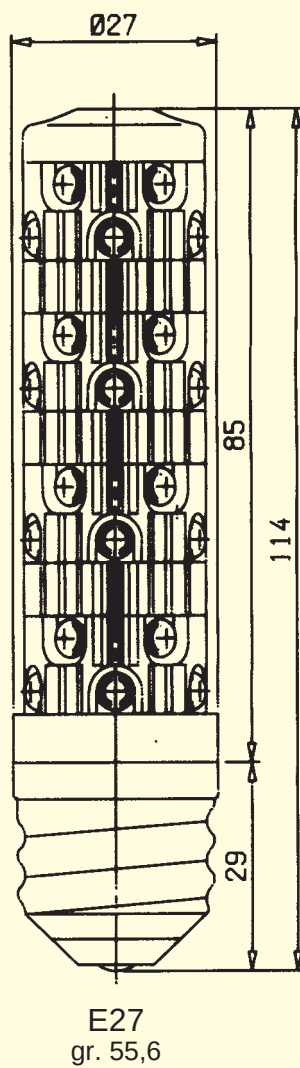
LD 205



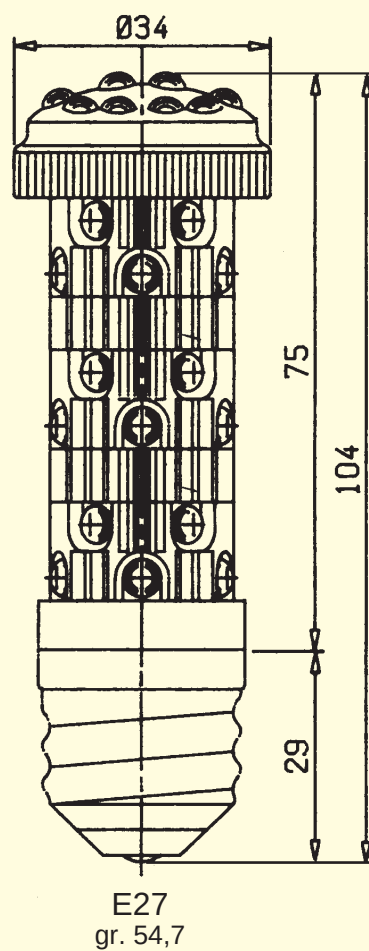
LD 305



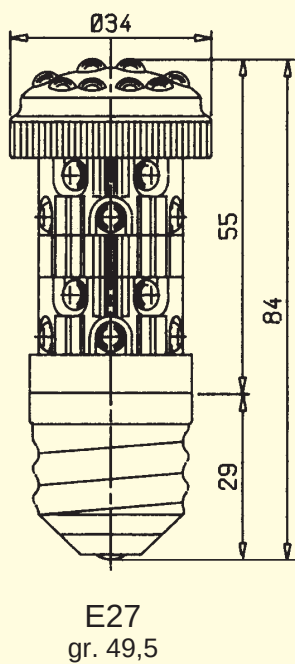
LD 405



LD 445



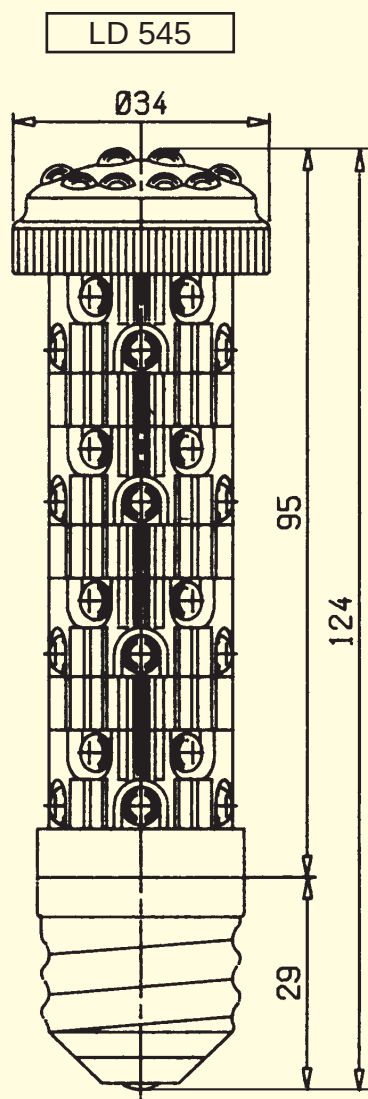
LD 345



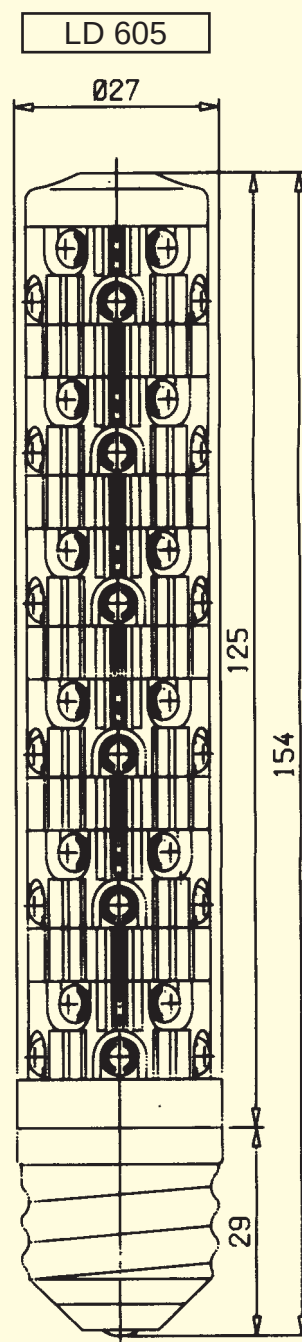
E27
gr. 49,5

E27
gr. 55,6

E27
gr. 54,7

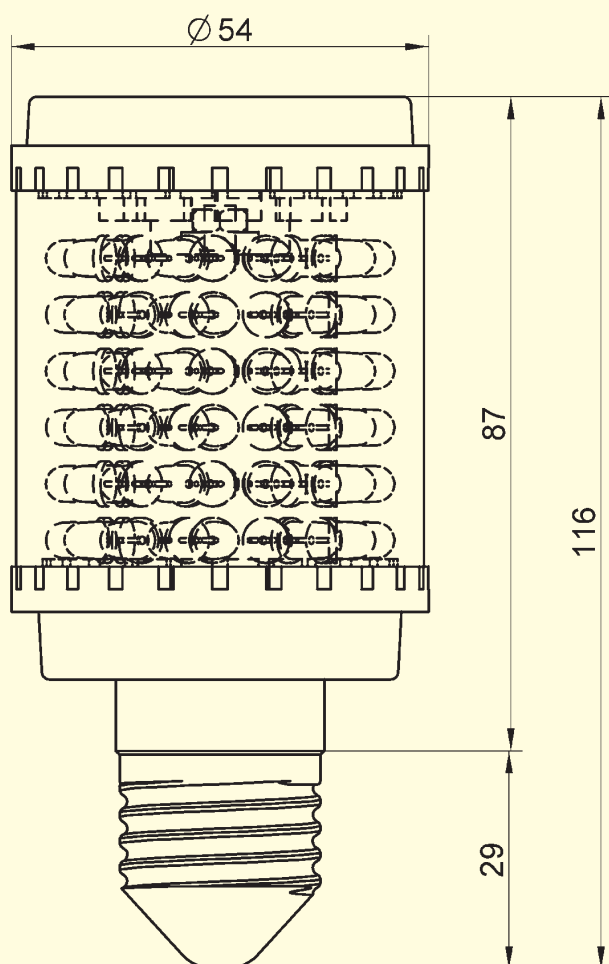


E27 gr. 59,5



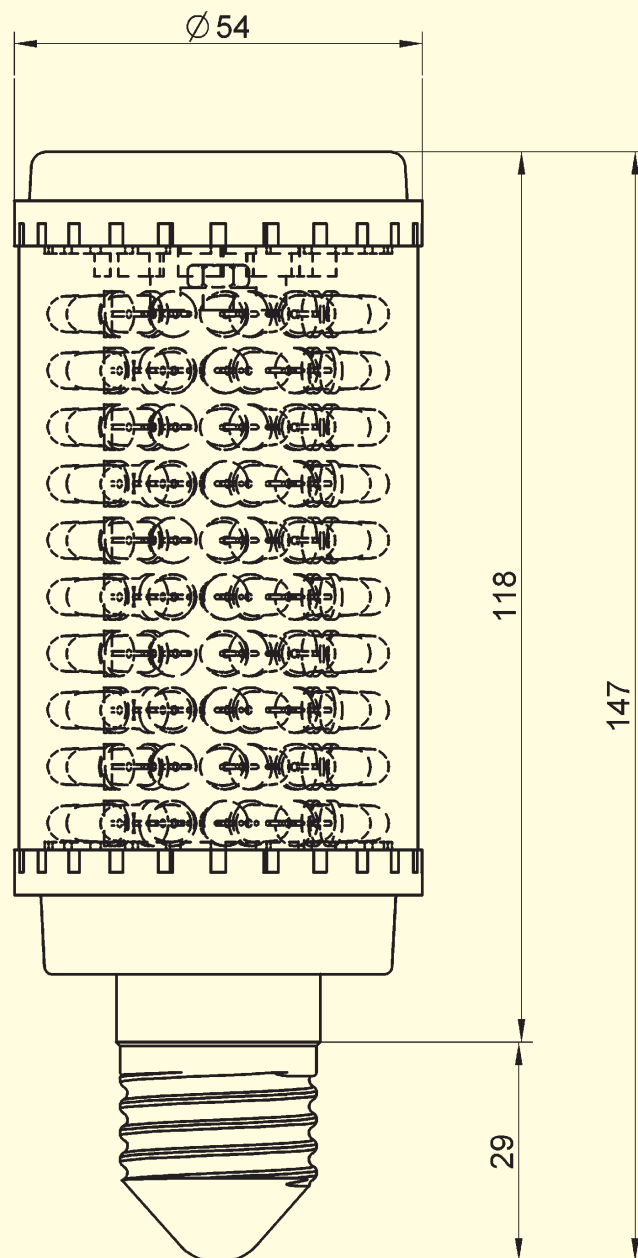
E27 gr. 66,5

LD SO 545



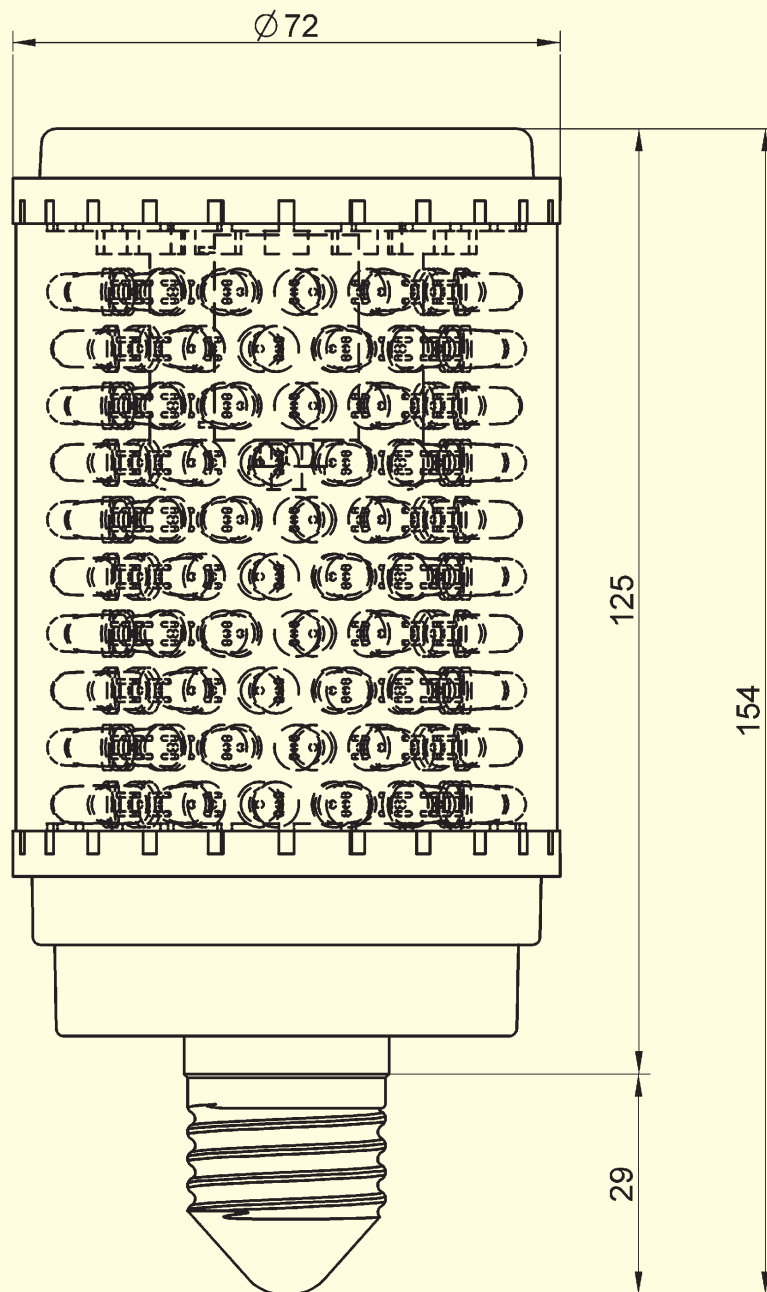
E27
gr. 136,0

LD SO 905



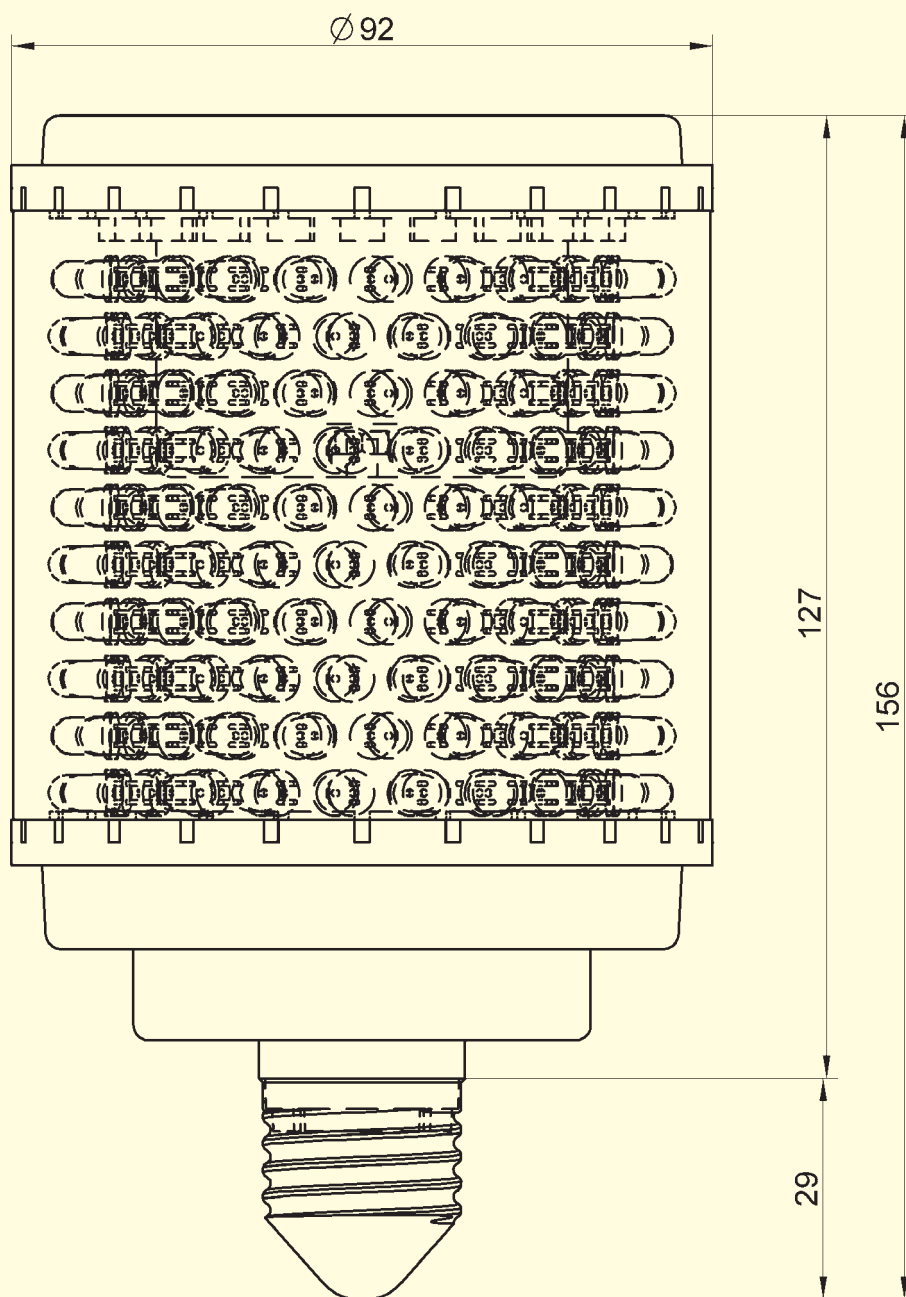
E27
gr. 185,0

LD SO 1505



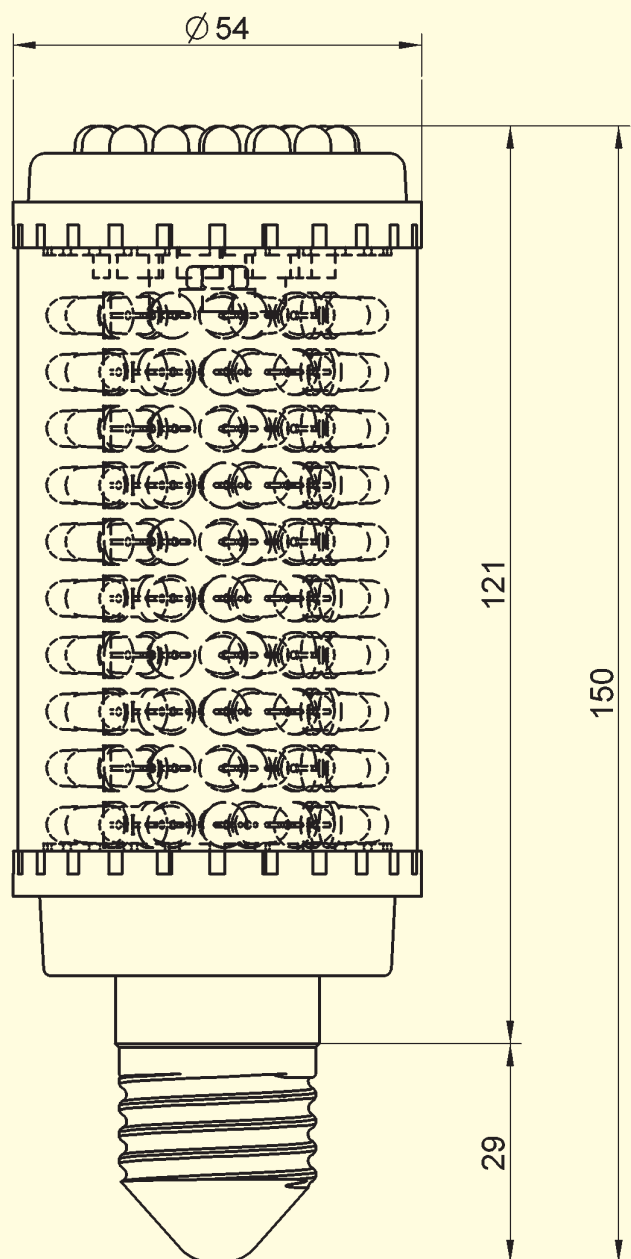
E27
gr. 390,0

LD SO 2105



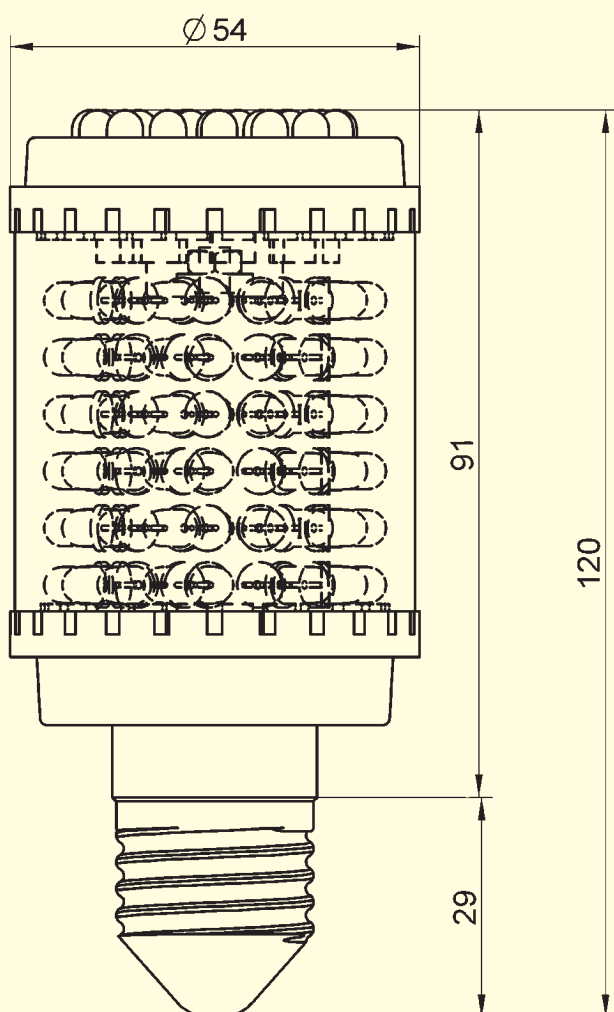
E27
gr. 525,0

LD SA 1195



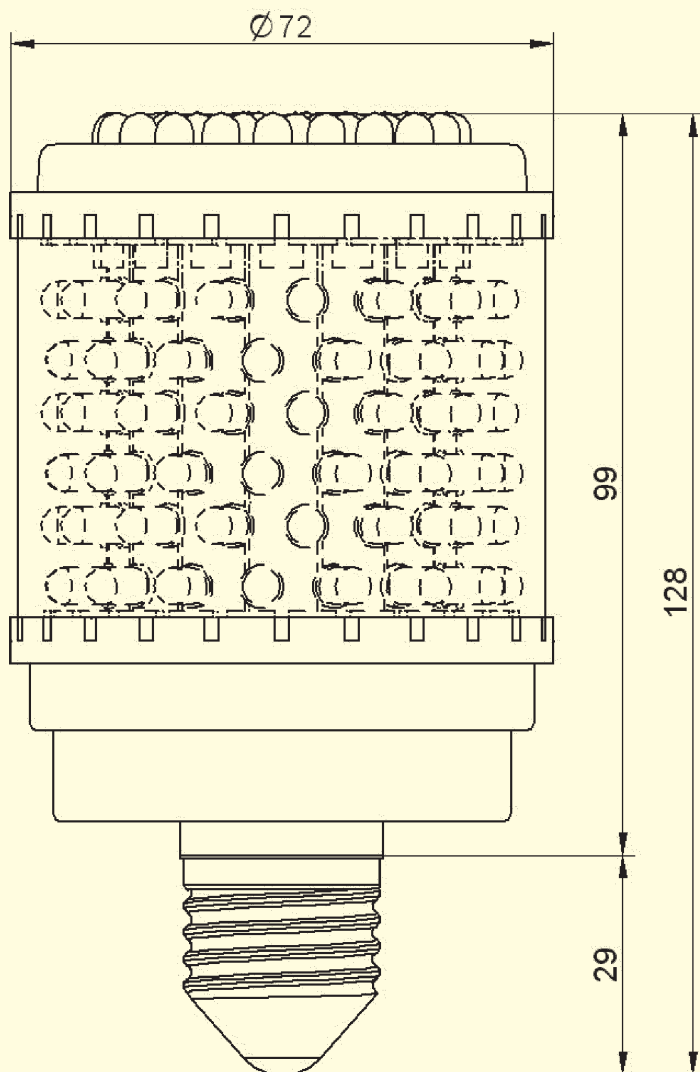
E27
gr. 224,0

LD SA 835



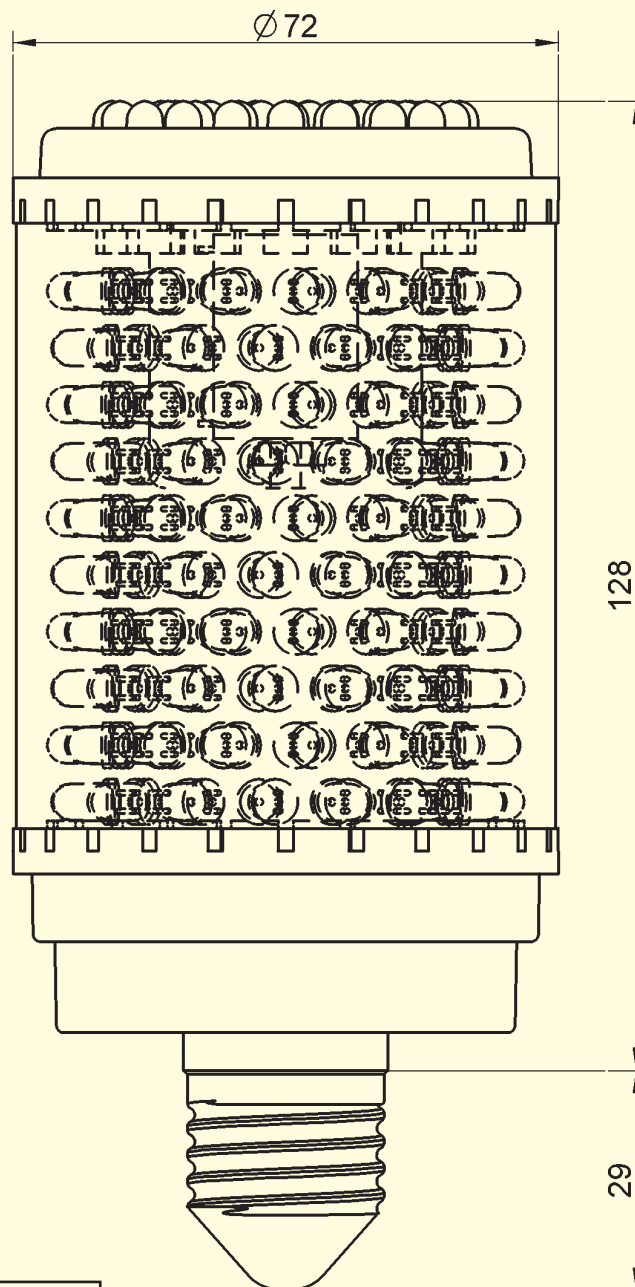
E27
gr. 175,7

LD SA 1395



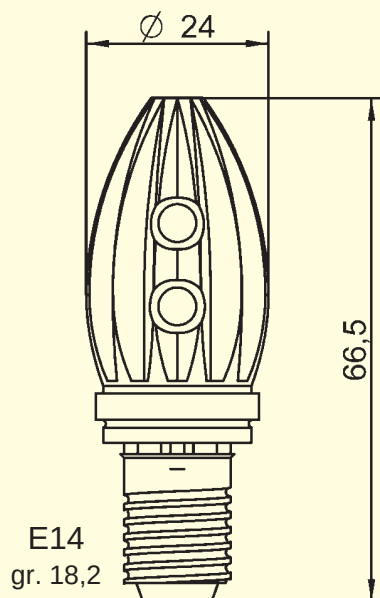
E27
gr. 398

LD SA 1995



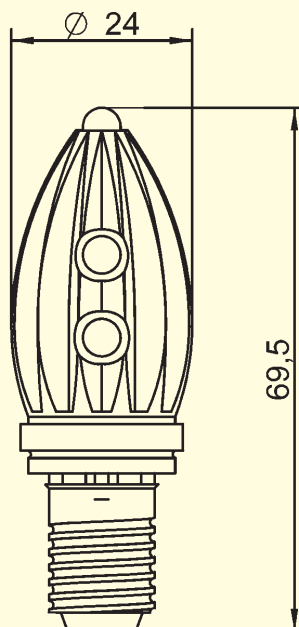
E27
gr. 430,2

LDV 025



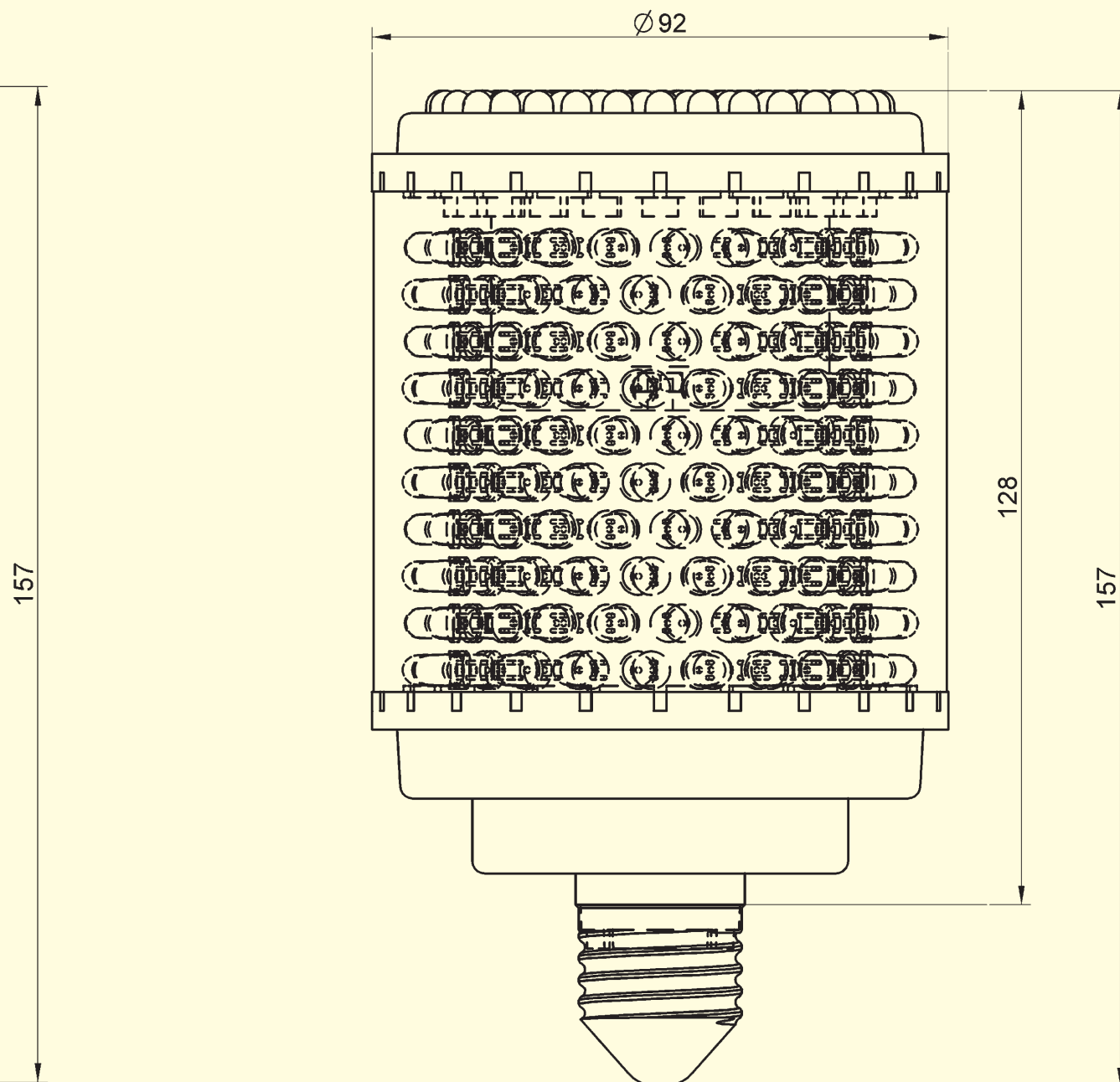
E14
gr. 18,2

LDV 035



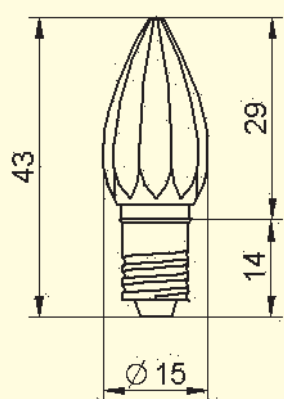
E14
gr. 18,3

LD SA 3185

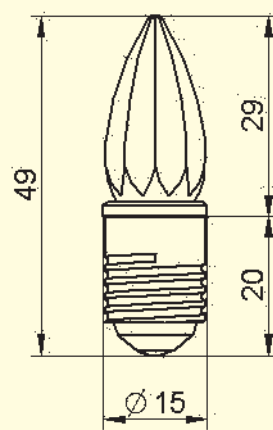


E27
gr. 642,0

LDV 2.5



E10
gr. 12,0



E14
gr. 15,0

LD		Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltage	mA	LD		Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltage	mA	LD		Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltage	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		4	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 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 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	●	2	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 4.5.4 WO	●	3	12	90
LD 143 F	●	2	230	16	LD 295 F	●	8	230	35	LD 4.5.4 WO	●	3	24	45
LD 143 F	●	6	12	81	LD 295 F	●	1	24	85	LD 4.5.4 WO	●	3	110	45
LD 143 F	●	6	24	34	LD 295 F	●	1	48	65	LD 4.5.4 WO	●	3	230	50
LD 143 F	●	6	48	21	LD 295 F	●	1	110	40	LD 4.5.4 WO	●	2	12	85
LD 143 F	●	6	110	20	LD 295 F	●	1	230	35	LD 4.5.4 WO	●	2	24	45
LD 143 F	●	6	230	18	LD 495 F	●	3	12	280	LD 4.5.4 WO	●	2	110	40
LD 143 F	●	8	12	81	LD 495 F	●	3	24	230	LD 4.5.4 WO	●	2	230	50
LD 143 F	●	8	24	36	LD 495 F	●	3	230	25	LD 4.5.4 WO	●	6	12	90
LD 143 F	●	8	48	21	LD 495 F	●	5	12	280	LD 4.5.4 WO	●	6	24	50

LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltage	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltage	mA	LD	Colore Colour Couleur Farbe Color	Tensione Voltage Tension Spannung Voltage	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	6	12	80	LD 305	8	12	180	LD 405	1	12	210
LD 105	6	24	40	LD 305	8	24	110	LD 405	1	24	125
LD 105	6	48	20	LD 305	8	48	65	LD 405	1	48	75
LD 105	6	110	16	LD 305	8	110	30	LD 405	1	110	32
LD 105	6	230	17	LD 305	8	230	30	LD 405	1	230	32
LD 105	8	12	80	LD 305	1	12	180	LD 445	3	12	250
LD 105	8	24	40	LD 305	1	24	110	LD 445	3	24	150
LD 105	8	48	20	LD 305	1	48	65	LD 445	3	48	80
LD 105	8	110	16	LD 305	1	110	30	LD 445	3	110	35
LD 105	8	230	17	LD 305	1	230	30	LD 445	3	230	35
LD 105	1	12	80	LD 345	3	12	185	LD 445	5	12	250
LD 105	1	24	40	LD 345	3	24	115	LD 445	5	24	150
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	150
LD 205	3	48	40	LD 345	5	48	70	LD 445	2	48	80
LD 205	3	110	24	LD 345	5	110	30	LD 445	2	110	35
LD 205	3	230	21	LD 345	5	230	30	LD 445	2	230	35
LD 205	5	12	140	LD 345	2	12	185	LD 445	6	12	250
LD 205	5	24	74	LD 345	2	24	115	LD 445	6	24	150
LD 205	5	48	40	LD 345	2	48	70	LD 445	6	48	80
LD 205	5	110	24	LD 345	2	110	30	LD 445	6	110	35
LD 205	5	230	21	LD 345	2	230	30	LD 445	6	230	35
LD 205	2	12	140	LD 345	6	12	185	LD 445	8	12	250
LD 205	2	24	74	LD 345	6	24	115	LD 445	8	24	150
LD 205	2	48	40	LD 345	6	48	70	LD 445	8	48	80
LD 205	2	110	24	LD 345	6	110	30	LD 445	8	110	35
LD 205	2	230	21	LD 345	6	230	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	75	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 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 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					

INDICE - INDEX - INHALTSVERZEICHNIS - ÍNDICE

Linea EX-D - EX-D range - Ligne EX-D EX-D Linie - Línea EX-D

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LUCI ROTANTI ANTIDEFLAGRANTI

EXPLOSION-PROOF ROTATING BEACONS
FEUX TOURNANTS ANTIDEFLAGRANTS
EXPLOSIONSGESCHÜTZTE RUNDUMLEUCHTEN
LUCES ROTATIVAS ANTIDEFLAGRANTES

EX 080 BABY R	313
EX 080 RA	313
EX 080 RA H	313

LUCI FISSE ANTIDEFLAGRANTI

EXPLOSION-PROOF CONTINUOUS
LIGHT BEACONS
FEUX A LUMIERE FIXE ANTIDEFLAGRANTS
EXPLOSIONSGESCHÜTZTE DAUERLEUCHTEN
LUCES FIJAS ANTIDEFLAGRANTES

EX 050 OVO F	320
EX 070 MF F	320
EX 070 MAF F	321
EX 080 BABY F	321
EX 080 LA F	322
EX 0100 STL F	322

LUCI LAMPEGGIANTI ANTIDEFLAGRANTI

EXPLOSION-PROOF FLASHING BEACONS
FEUX CLIGNOTANTS ANTIDEFLAGRANTS
EXPLOSIONSGESCHÜTZTE BLINKLEUCHTEN
LUCES INTERMITENTES ANTIDEFLAGRANTES

EX 050 OVO L	314
EX 070 MF L	315
EX 070 MAF L	316
EX 080 BABY L	317
EX 080 LA L	318
EX 080 LA L H	318
EX 0100 STL L	319
EX 0100 STL L H	319

LAMPADE ANTIDEFLAGRANTI

EXPLOSION-PROOF LAMPS
LAMPES ANTIDEFLAGRANTES
EXPLOSIONSGESCHÜTZTE LAMPEN
LÁMPARAS ANTIDEFLAGRANTES

EX 070 LF 100	323
EX 080 LF 200	323

LUCI LAMPEGGIANTI (FISSE) A LED INTEGRATI ANTIDEFLAGRANTI

EXPLOSION-PROOF LED INTEGRATED FLASHING
(CONTINUOUS LIGHT) BEACONS
FEUX CLIGNOTANTS (A LUMIERE FIXE) A LED'S
INTEGRES ANTIDEFLAGRANTS
EXPLOSIONSGESCHÜTZTE BLINK- (DAUERLICHT-)
LEUCHTEN MIT INTEGRIERTEN LED
LUCES INTERMITENTES (FIJAS) DE LED'S
INTEGRADOS ANTIDEFLAGRANTES

EX 050 LD 125 OVO	314
EX 070 LD 365 MN	315
EX 070 LD 455 MX	316
EX 080 LD 365 BABY	317
EX 080 LD 455 LA	318
EX 0100 LD 865 STB	319

LAMPADE A LED ANTIDEFLAGRANTI

EXPLOSION-PROOF LED BULBS
AMPOULES A LED'S ANTIDEFLAGRANTES
EXPLOSIONSGESCHÜTZTE LED LEUCHTMITTEL
LÁMPARAS DE LED'S ANTIDEFLAGRANTES

EX 050 LD SA 835	324
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EX 070 LD SA 1195	324
EX 070 LD SO 905	325
EX 070 LD SA 1395	325
EX 080 LD SA 1995	326
EX 080 LD SO 1505	326
EX 080 LD SA 3185	327
EX 080 LD SO 2105	327

LUCI XENO ANTIDEFLAGRANTI

EXPLOSION-PROOF XENON FLASHING BEACONS
FEUX A ECLATS ANTIDEFLAGRANTS
EXPLOSIONSGESCHÜTZTE BLITZLEUCHTEN
LUCES DE DESTELLOS ANTIDEFLAGRANTES

EX 050 OVO X	328
EX 070 XF	328
EX 070 MXF	329
EX 070 MXF ELEV	329
EX 080 BABY X	329
EX 080 LA X	330
EX 0100 STF	330

INTERRUTTORI DI EMERGENZA ANTIDEFLAGRANTI

EXPLOSION-PROOF EMERGENCY SWITCHES
BOUTONS-POUSOIRS ANTIDEFLAGRANTS
EXPLOSIONSGESCHÜTZTE SICHERHEITSKÄSTEN
INTERRUPTORES DE EMERGENCIA
ANTIDEFLAGRANTES

EX 025 PAG	331
EX 035 PAG PCS	331

SPIA LUMINOSA ANTIDEFLAGRANTE

EXPLOSION-PROOF WARNING LIGHT
VOYANT LUMINEUX ANTIDEFLAGRANT
EXPLOSIONSGESCHÜTZTER LEUCHTMELDER
LÁMPARA PILOTO ANTIDEFLAGRANTE

EX 045 LD PAG SP	331
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RICAMBI

SPARE PARTS
PIECES DE RECHANGE
ERSATZTEILE
REPUESTOS

VETRO + GRIGLIA + GHIERA

GLASS + GRID + RING	
VERRE + GRILLE + COLLIER	
GLAS + GITTER + RING	
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LEUCHTMITTEL / LÁMPARAS	332

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 sovratemperature 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 innesco dell'atmosfera esplosiva (Ex-i).

D – Viene impedito il contatto tra il componente elettrico che può essere causa di innesco 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

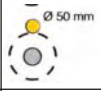
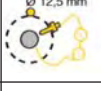
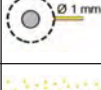
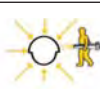
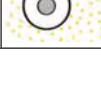
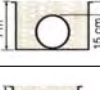
Classificazioni delle apparecchiature

Categoria di pericolo	EUROPA	Energia di innesco
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		Non protetto	0		Non protetto
1		Protetto contro corpi solidi estranei superiori a 50 mm (es. contatto involontario della mano)	1		Protetto contro la caduta verticale di gocce d'acqua (condensa)
2		Protetto contro corpi solidi estranei superiori a 12,5 mm (es. dito della mano)	2		Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15°
3		Protetto contro corpi solidi estranei superiori a 2,5 mm (es. utensili e viti)	3		Protetto contro la caduta verticale di pioggia con un'inclinazione fino a 60°
4		Protetto contro corpi solidi estranei superiori a 1 mm (es. utensili e cavi sottili)	4		Protetto contro gli spruzzi d'acqua da tutte le direzioni
5		Protetto contro la polvere (nessun deposito apprezzabile)	5		Protetto contro i getti d'acqua potenti
6		Totalmente protetto contro la polvere	6		Totalmente protetto contro i getti d'acqua potenti
			7		Protetto contro gli effetti dell'immersione
			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 Nitrato 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		Protection against the effects of immersion
			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 Ciclohexane 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



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 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).

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 étouffier
Poussières de charbon		
Poussières de blé		
Fibres		

NORMES COMMUNAUTÉ 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

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		Protégé contre les effets de l'immersion
			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 Décane Heptane Hexane Ethanol Ethyl-méthyl-cétone Gaz haut de four Iso-butanol Iso-octane Méthane industriel Méthanol Monoxyde de carbone Nitrure d'éthylène N – butanol Oxyde de carbone Pentane Propane Xylène
IIB	0,5 < MESG 0,9	Buta 1 :3-diène Ether diéthylique Éthylène 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 ANTIDÉFLAGRANTE
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 GEFAHRENZONEN 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, langfristig 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 GEFAHRENZONEN 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/ Luftgemischen besteht, die ständig, langfristig oder häufig existiert.
ZONE 21	Bereiche, in denen die explosionsfähige Atmosphäre aus 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"	Explosionsschutz 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	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

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 Hochfengas 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

Schutzgitter 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, preve 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 preve 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 n° 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 sustancias 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	En preparación	Más difícil de inflamar
Polvos de carbón		
Polvos de trigo		
Fibras		

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

ÍNDICES DE PROTECCIÓN (EN 60529)

1º cifra: protección contra los cuerpos sólidos			2º cifra: protección contra los cuerpos líquidos		
IP			IP		
0		Sin protección	0		Sin protección
1		Protegido contra cuerpos sólidos superiores a 50 mm (ej.: contactos involuntarios de la mano)	1		Protegido contra las caídas verticales de gotas de agua (condensación)
2		Protegido contra cuerpos sólidos superiores a 12,5 mm (ej.: dedos de la mano)	2		Protegido contra las caídas de agua hasta 15° de la vertical
3		Protegido contra cuerpos sólidos superiores a 2,5 mm (ej.: herramientas, cables)	3		Protegido contra el agua de lluvia hasta 60° de la vertical
4		Protegido contra cuerpos sólidos superiores a 1 mm (ej.: herramientas finas, pequeños cables)	4		Protegido contra las proyecciones de agua en todas direcciones
5		Protegido contra el polvo (sin sedimentos perjudiciales)	5		Protegido contra el lanzamiento de agua similar a los golpes de mar
6		Totalmente protegidos contra el polvo	6		Protegido contra la inmersión
			7		Protegido contra la inmersión
			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 etílico 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 Nitrato 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 Nitrado 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 o 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 (±10%)		 50/60 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
LICHTSTRAHLUNG
PROPAGACIÓN DE LA LUZ

COLORI DELLA CUPOLA
DOME COLOURS
COULEURS DU DOME
HAUBENFARBEN

COLORES DE LA CÚPULA:

1 = BLU – BLUE – BLEU – BLAU – 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

MATERIALE CUPOLA
 DOME MATERIAL
 MATERIEL DU DOME
 HAUBENMATERIAL
 MATERIAL DE LA CÚPULA
PC: POLICARBONATO
 POLYCARBONATE
 POLYCARBONATE
 POLYCARBONAT
 POLICARBONATO

TIPO FILETTATURA
TYPE OF THREAD
TYPE DE FILETAGE
GEWINDE
TIPO DE ROSCA

* 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 Kabeldurchführungen lieferbar auf Anfrage
Roscas, adaptadores y prensaestopas disponibles bajo demanda

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 CARACTERISTIQUES ELECTRIQUES ET FONCTIONNELLES LES PLUS IMPORTANTES

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 MÁXIMA DE
SUPERFICIE

 **LAMPADA A FILAMENTO**
FILAMENT BULB
AMPOULE A FILAMENT
GLÜHLAMPE
LÂMPARA INCANDESCENTE

 **LAMPADA ALOGENA**
HALOGEN BULB
AMPOULE HALOGENE
HALOGENLAMPE
LÁMPARA HALÓGENA

 **TUBO A SCARICA ALLO XENO 1J**
XENON TUBE 1J
TUBE AU XENON 1J
XENON-BLITZRÖHRE 1J
TUBO DE DESCARGA DE XENÓN 1J



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
 TIRO 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

ASSORBIMENTO DI CORRENTE
CURRENT CONSUMPTION
CONSOMMATION DE COURANT
STROMVERBRAUCH
CONSUMO DE CORRIENTE

CANDELE DI PICCO misurate con cupola neutra
 PEAK CANDELAS with clear dome
 CANDELAS DE PIC avec dôme incolore
 SPITZENWERT-CANDELAS mit farbloser Haube
 CANDELAS/PICO con cúpula incolora

TUTTI I PRODOTTI SONO IMBALLATI IN CASSE DI LEGNO
ALL PRODUCTS ARE PACKED IN WOODEN BOXES
TOUS LES PRODUITS SONT EMBALLÉS DANS DES BOÎTES EN BOIS
ALLE PRODUKTE SIND IN HOLZKASTEN VERPACKT
TODOS LOS PRODUCTOS SON EMBALADOS EN CAJAS DE MADERA

  BA 15s 45W  LR BA 15s 45 W  E 14 40W  LR F14S 40W 	V 	12	24	48	—	—	—
	V 	12	24	48	110	230 / 240	
	A	3,8	1,9	0,9	0,36	0,17	
	Cd (p)	540	405	270	225	225	

CODIFICA: es. / **CODIFICATION:** ex. / **CODIFICATION:** ex.
CODIERUNG: Beispiel / **CODIFICACIÓN:** ej.

EX	070	XF	110	AC	1	→ 
Antideflagrante Explosion-proof Antideflagrant Explosionsge- schützt Antideflagrante	Codice armatura Housing code Code enveloppe Kapselung Code Código carcasa	Descrizione Description Description Bezeichnung Descripción	Voltaggio Voltage Tension Spannung Voltaje	Corrente Current Courant Stromart Corriente	Colore Colour Couleur Farbe Color	
L = luce lampeggiante flashing light lumière clignotante Blinklicht luz intermitente		D = corrente continua direct current courant continu Gleichstrom corriente continua				alternatif Gleichstrom und Wechselstrom corriente continua y alterna
F = luce fissa continuous light lumière fixe Dauerlicht luz fija		A = corrente alternata alternating current courant alternatif Wechselstrom corriente alterna			LD = LED integrati/lampada a LED LED integrated/LED bulb LED intégrées/Ampoule à LED	
X = luce xeno xenon flashing light lumière à éclats Blitzlicht luz de xenón		DA = corrente continua e alternata direct and alternating current courant continu et			Integrirte LED/LED Leuchtmittel LED'S integrados / lámpara de LED'S	



II 2GD EEx-de IIC LUCI ROTANTI ANTIDEFAGRANTI

EXPLOSION-PROOF ROTATING BEACONS / FEUX TOURNANTS ANTIDÉFLAGRANTS /
EXPLOSIONSGESCHÜTZTE RUNDUMLEUCHTEN / LUCES ROTATIVAS ANTIDÉFLAGRANTES

V 12-24-48-110-230/240 (±10%) H1: 12-24	~ 50/60 Hz	r.p.m. 160±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	24	48	110	230/240	
	mA	820	500	280	140	75	
	Cd (p)	270	315	252	180	108	

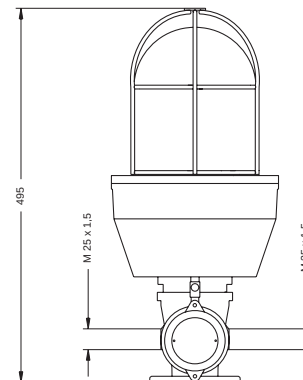
EX080BABYR12A1 ● 95691
EX080BABYR12A2 ● 95692
EX080BABYR12A3 ● 95693
EX080BABYR12A4 ● 95694
EX080BABYR12A5 ● 95695
EX080BABYR12A6 ○ 95696

EX080BABYR110A1 ● 95721
EX080BABYR110A2 ● 95722
EX080BABYR110A3 ● 95723
EX080BABYR110A4 ● 95724
EX080BABYR110A5 ● 95725
EX080BABYR110A6 ○ 95726

EX080BABYR24DA1 ● 95701
EX080BABYR24DA2 ● 95702
EX080BABYR24DA3 ● 95703
EX080BABYR24DA4 ● 95704
EX080BABYR24DA5 ● 95705
EX080BABYR24DA6 ○ 95706

EX080BABYR230/240A1 ● 95731
EX080BABYR230/240A2 ● 95732
EX080BABYR230/240A3 ● 95733
EX080BABYR230/240A4 ● 95734
EX080BABYR230/240A5 ● 95735
EX080BABYR230/240A6 ○ 95736

EX080BABYR48A1 ● 95711
EX080BABYR48A2 ● 95712
EX080BABYR48A3 ● 95713
EX080BABYR48A4 ● 95714
EX080BABYR48A5 ● 95715
EX080BABYR48A6 ○ 95716



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

EX080RA24A1 ● 95971
EX080RA24A2 ● 95972
EX080RA24A3 ● 95973
EX080RA24A4 ● 95974
EX080RA24A5 ● 95975
EX080RA24A6 ○ 95976

EX080RA110A1 ● 96001
EX080RA110A2 ● 96002
EX080RA110A3 ● 96003
EX080RA110A4 ● 96004
EX080RA110A5 ● 96005
EX080RA110A6 ○ 96006

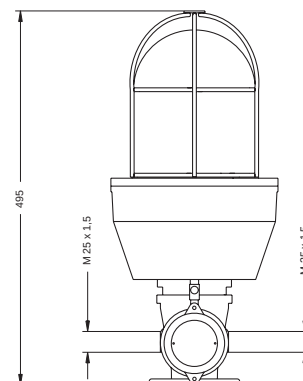
EX080RA12A1 ● 95951
EX080RA12A2 ● 95952
EX080RA12A3 ● 95953
EX080RA12A4 ● 95954
EX080RA12A5 ● 95955
EX080RA12A6 ○ 95956

EX080RA48D1 ● 95981
EX080RA48D2 ● 95982
EX080RA48D3 ● 95983
EX080RA48D4 ● 95984
EX080RA48D5 ● 95985
EX080RA48D6 ○ 95986

EX080RA230/240A1 ● 96011
EX080RA230/240A2 ● 96012
EX080RA230/240A3 ● 96013
EX080RA230/240A4 ● 96014
EX080RA230/240A5 ● 96015
EX080RA230/240A6 ○ 96016

EX080RA24D1 ● 95961
EX080RA24D2 ● 95962
EX080RA24D3 ● 95963
EX080RA24D4 ● 95964
EX080RA24D5 ● 95965
EX080RA24D6 ○ 95966

EX080RA48A1 ● 95991
EX080RA48A2 ● 95992
EX080RA48A3 ● 95993
EX080RA48A4 ● 95994
EX080RA48A5 ● 95995
EX080RA48A6 ○ 95996



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 (±10%)	~ 50/60 Hz	Flash/min. 110±20
IP 66	°C -25 +50	On
		1 2 3 4 5 6 PC
		M25x1.5*

EX 050 OVO L

CESI 05 ATEX 043

T6

	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
EX050OVOL12D2 ● 95102
EX050OVOL12D3 ● 95103
EX050OVOL12D4 ● 95104
EX050OVOL12D5 ● 95105
EX050OVOL12D6 ○ 95106

EX050OVOL48D1 ● 95131
EX050OVOL48D2 ● 95132
EX050OVOL48D3 ● 95133
EX050OVOL48D4 ● 95134
EX050OVOL48D5 ● 95135
EX050OVOL48D6 ○ 95136

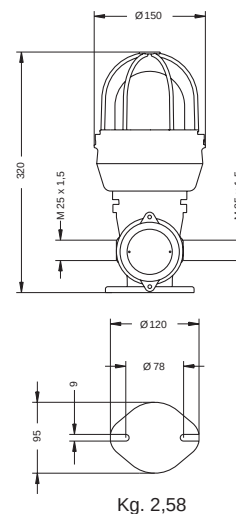
EX050OVOL230/240A1 ● 95161
EX050OVOL230/240A2 ● 95162
EX050OVOL230/240A3 ● 95163
EX050OVOL230/240A4 ● 95164
EX050OVOL230/240A5 ● 95165
EX050OVOL230/240A6 ○ 95166

EX050OVOL24D1 ● 95111
EX050OVOL24D2 ● 95112
EX050OVOL24D3 ● 95113
EX050OVOL24D4 ● 95114
EX050OVOL24D5 ● 95115
EX050OVOL24D6 ○ 95116

EX050OVOL48A1 ● 95141
EX050OVOL48A2 ● 95142
EX050OVOL48A3 ● 95143
EX050OVOL48A4 ● 95144
EX050OVOL48A5 ● 95145
EX050OVOL48A6 ○ 95146

EX050OVOL24A1 ● 95121
EX050OVOL24A2 ● 95122
EX050OVOL24A3 ● 95123
EX050OVOL24A4 ● 95124
EX050OVOL24A5 ● 95125
EX050OVOL24A6 ○ 95126

EX050OVOL110A1 ● 95151
EX050OVOL110A2 ● 95152
EX050OVOL110A3 ● 95153
EX050OVOL110A4 ● 95154
EX050OVOL110A5 ● 95155
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 INTEGRES ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZTE BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 (±10%)	~ 50/60 Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On
		1 2 3 4 5 6 PC
		M25x1.5*

EX 050 LD 125 OVO

CESI 05 ATEX 043

T6

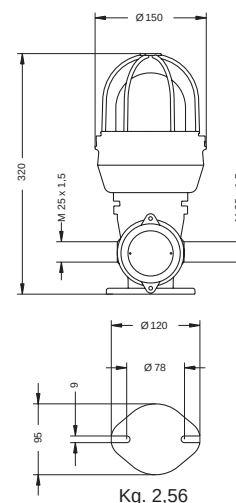
	V ---	24	48	—	—	—
	V			110	230/240	
● ● ●	mA	90	65	20	20	
● ● ○	mA	80	65	20	20	

EX050LD125OVO24DA1 ● 95221
EX050LD125OVO24DA2 ● 95222
EX050LD125OVO24DA3 ● 95223
EX050LD125OVO24DA4 ● 95224
EX050LD125OVO24DA5 ● 95225
EX050LD125OVO24DA6 ○ 95226

EX050LD125OVO48DA1 ● 95231
EX050LD125OVO48DA2 ● 95232
EX050LD125OVO48DA3 ● 95233
EX050LD125OVO48DA4 ● 95234
EX050LD125OVO48DA5 ● 95235
EX050LD125OVO48DA6 ○ 95236

EX050LD125OVO110A1 ● 95241
EX050LD125OVO110A2 ● 95242
EX050LD125OVO110A3 ● 95243
EX050LD125OVO110A4 ● 95244
EX050LD125OVO110A5 ● 95245
EX050LD125OVO110A6 ○ 95246

EX050LD125OVO230/240A1 ● 95251
EX050LD125OVO230/240A2 ● 95252
EX050LD125OVO230/240A3 ● 95253
EX050LD125OVO230/240A4 ● 95254
EX050LD125OVO230/240A5 ● 95255
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 (±10%)	---	~ 50/60 Hz	Flash/min. 110±20			
IP 66	°C -25 +50	On ∞		1 2 3 4 5 6	PC	M25x1.5*

EX 070 MF L

CESI 05 ATEX 043 T6

 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	0.11	
	Cd (p)	135	180	240	27	40	

EX070MFL12D1 ● 95291
EX070MFL12D2 ● 95292
EX070MFL12D3 ● 95293
EX070MFL12D4 ● 95294
EX070MFL12D5 ● 95295
EX070MFL12D6 ○ 95296

EX070MFL48D1 ● 95321
EX070MFL48D2 ● 95322
EX070MFL48D3 ● 95323
EX070MFL48D4 ● 95324
EX070MFL48D5 ● 95325
EX070MFL48D6 ○ 95326

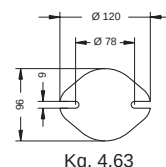
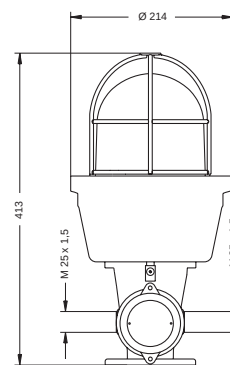
EX070MFL230/240A1 ● 95351
EX070MFL230/240A2 ● 95352
EX070MFL230/240A3 ● 95353
EX070MFL230/240A4 ● 95354
EX070MFL230/240A5 ● 95355
EX070MFL230/240A6 ○ 95356

EX070MFL24D1 ● 95301
EX070MFL24D2 ● 95302
EX070MFL24D3 ● 95303
EX070MFL24D4 ● 95304
EX070MFL24D5 ● 95305
EX070MFL24D6 ○ 95306

EX070MFL48A1 ● 95331
EX070MFL48A2 ● 95332
EX070MFL48A3 ● 95333
EX070MFL48A4 ● 95334
EX070MFL48A5 ● 95335
EX070MFL48A6 ○ 95336

EX070MFL24A1 ● 95311
EX070MFL24A2 ● 95312
EX070MFL24A3 ● 95313
EX070MFL24A4 ● 95314
EX070MFL24A5 ● 95315
EX070MFL24A6 ○ 95316

EX070MFL110A1 ● 95341
EX070MFL110A2 ● 95342
EX070MFL110A3 ● 95343
EX070MFL110A4 ● 95344
EX070MFL110A5 ● 95345
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 INTEGREGES ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZTE BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 (±10%)	---	~ 50/60 Hz	Flash/min. 0-150±20			
IP 66	°C -25 +50	On ∞		1 2 3 4 5 6	PC	M25x1.5*

EX 070 LD 365 MN

CESI 05 ATEX 043 T6

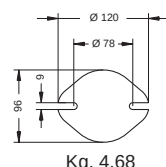
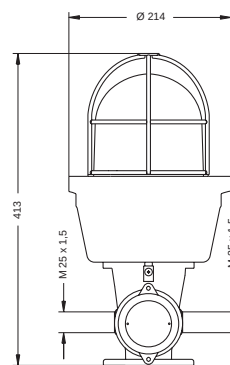
	v ---	24	48	—	—	—
	v ~			110	230/240	
● ● ●	mA	180	170	40	40	
● ● ○	mA	170	180	40	40	

EX070LD365MN24DA1 ● 95411
EX070LD365MN24DA2 ● 95412
EX070LD365MN24DA3 ● 95413
EX070LD365MN24DA4 ● 95414
EX070LD365MN24DA5 ● 95415
EX070LD365MN24DA6 ○ 95416

EX070LD365MN110A1 ● 95431
EX070LD365MN110A2 ● 95432
EX070LD365MN110A3 ● 95433
EX070LD365MN110A4 ● 95434
EX070LD365MN110A5 ● 95435
EX070LD365MN110A6 ○ 95436

EX070LD365MN48DA1 ● 95421
EX070LD365MN48DA2 ● 95422
EX070LD365MN48DA3 ● 95423
EX070LD365MN48DA4 ● 95424
EX070LD365MN48DA5 ● 95425
EX070LD365MN48DA6 ○ 95426

EX070LD365MN230/240A1 ● 95441
EX070LD365MN230/240A2 ● 95442
EX070LD365MN230/240A3 ● 95443
EX070LD365MN230/240A4 ● 95444
EX070LD365MN230/240A5 ● 95445
EX070LD365MN230/240A6 ○ 95446



Kg. 4,68



II 2GD EEx-de IIC LUCE LAMPEGGIANTE ANTIDEFLAGRANTE

EXPLOSION-PROOF FLASHING BEACON / FEU CLIGNOTANT ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZTE BLINKLEUCHTE / LUZ INTERMITTENTE ANTIDEFLAGRANTE

V 12-24-48-110-230/240 (±10%)		~ 50/60 Hz	Flash/min. 110±20			
IP 66	°C -25 +50	On		1 2 3 4 5 6	PC	M25x1.5*

EX 070 MAF L

CESI 05 ATEX 043

T6



 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	0.11	
	Cd (p)	121	126	126	18	27	

EX070MAFL12D1 ● 95481
EX070MAFL12D2 ● 95482
EX070MAFL12D3 ● 95483
EX070MAFL12D4 ● 95484
EX070MAFL12D5 ● 95485
EX070MAFL12D6 ○ 95486

EX070MAFL48D1 ● 95511
EX070MAFL48D2 ● 95512
EX070MAFL48D3 ● 95513
EX070MAFL48D4 ● 95514
EX070MAFL48D5 ● 95515
EX070MAFL48D6 ○ 95516

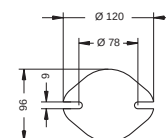
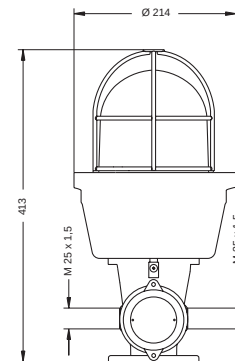
EX070MAFL230/240A1 ● 95541
EX070MAFL230/240A2 ● 95542
EX070MAFL230/240A3 ● 95543
EX070MAFL230/240A4 ● 95544
EX070MAFL230/240A5 ● 95545
EX070MAFL230/240A6 ○ 95546

EX070MAFL24D1 ● 95491
EX070MAFL24D2 ● 95492
EX070MAFL24D3 ● 95493
EX070MAFL24D4 ● 95494
EX070MAFL24D5 ● 95495
EX070MAFL24D6 ○ 95496

EX070MAFL48A1 ● 95521
EX070MAFL48A2 ● 95522
EX070MAFL48A3 ● 95523
EX070MAFL48A4 ● 95524
EX070MAFL48A5 ● 95525
EX070MAFL48A6 ○ 95526

EX070MAFL24A1 ● 95501
EX070MAFL24A2 ● 95502
EX070MAFL24A3 ● 95503
EX070MAFL24A4 ● 95504
EX070MAFL24A5 ● 95505
EX070MAFL24A6 ○ 95506

EX070MAFL110A1 ● 95531
EX070MAFL110A2 ● 95532
EX070MAFL110A3 ● 95533
EX070MAFL110A4 ● 95534
EX070MAFL110A5 ● 95535
EX070MAFL110A6 ○ 95536



Kg. 4,68



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 INTEGRES ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZTE BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITTENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 (±10%)		~ 50/60 Hz	Flash/min. 0-150±20			
IP 66	°C -25 +50	On		1 2 3 4 5 6	PC	M25x1.5*

EX 070 LD 455 MX

CESI 05 ATEX 043

T6



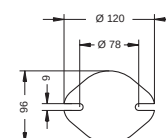
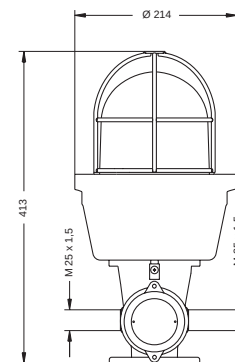
	v	24	48	—	—	—
	V			110	230/240	
● ● ●	mA	180	170	40	40	
● ● ○	mA	170	170	40	40	

EX070LD455MX24DA1 ● 95601
EX070LD455MX24DA2 ● 95602
EX070LD455MX24DA3 ● 95603
EX070LD455MX24DA4 ● 95604
EX070LD455MX24DA5 ● 95605
EX070LD455MX24DA6 ○ 95606

EX070LD455MX110A1 ● 95621
EX070LD455MX110A2 ● 95622
EX070LD455MX110A3 ● 95623
EX070LD455MX110A4 ● 95624
EX070LD455MX110A5 ● 95625
EX070LD455MX110A6 ○ 95626

EX070LD455MX48DA1 ● 95611
EX070LD455MX48DA2 ● 95612
EX070LD455MX48DA3 ● 95613
EX070LD455MX48DA4 ● 95614
EX070LD455MX48DA5 ● 95615
EX070LD455MX48DA6 ○ 95616

EX070LD455MX230/240A1 ● 95631
EX070LD455MX230/240A2 ● 95632
EX070LD455MX230/240A3 ● 95633
EX070LD455MX230/240A4 ● 95634
EX070LD455MX230/240A5 ● 95635
EX070LD455MX230/240A6 ○ 95636



Kg. 4,73



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 (±10%)	~ 50/60 Hz	Flash/min. 110±20
IP 66	°C -25 +50	On
		1 2 3 4 5 6 PC
		M25x1.5*

EX 080 BABY L

CESI 05 ATEX 043

T6



 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	0.11	
	Cd (p)	90	63	54	67	72	

EX080BABYL12D1 ● 95741
EX080BABYL12D2 ● 95742
EX080BABYL12D3 ● 95743
EX080BABYL12D4 ● 95744
EX080BABYL12D5 ● 95745
EX080BABYL12D6 ○ 95746

EX080BABYL48D1 ● 95771
EX080BABYL48D2 ● 95772
EX080BABYL48D3 ● 95773
EX080BABYL48D4 ● 95774
EX080BABYL48D5 ● 95775
EX080BABYL48D6 ○ 95776

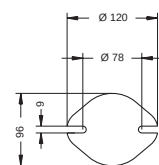
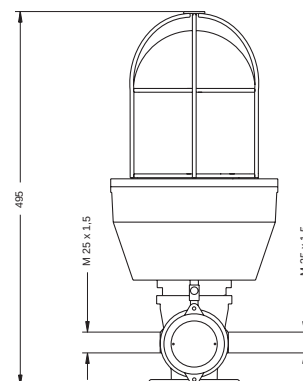
EX080BABYL230/240A1 ● 95801
EX080BABYL230/240A2 ● 95802
EX080BABYL230/240A3 ● 95803
EX080BABYL230/240A4 ● 95804
EX080BABYL230/240A5 ● 95805
EX080BABYL230/240A6 ○ 95806

EX080BABYL24D1 ● 95751
EX080BABYL24D2 ● 95752
EX080BABYL24D3 ● 95753
EX080BABYL24D4 ● 95754
EX080BABYL24D5 ● 95755
EX080BABYL24D6 ○ 95756

EX080BABYL48A1 ● 95781
EX080BABYL48A2 ● 95782
EX080BABYL48A3 ● 95783
EX080BABYL48A4 ● 95784
EX080BABYL48A5 ● 95785
EX080BABYL48A6 ○ 95786

EX080BABYL24A1 ● 95761
EX080BABYL24A2 ● 95762
EX080BABYL24A3 ● 95763
EX080BABYL24A4 ● 95764
EX080BABYL24A5 ● 95765
EX080BABYL24A6 ○ 95766

EX080BABYL110A1 ● 95791
EX080BABYL110A2 ● 95792
EX080BABYL110A3 ● 95793
EX080BABYL110A4 ● 95794
EX080BABYL110A5 ● 95795
EX080BABYL110A6 ○ 95796



Kg. 7,19



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 INTEGRES ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZTE BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED/ LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 (±10%)	~ 50/60 Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On
		1 2 3 4 5 6 PC
		M25x1.5*

EX 080 LD 365 BABY

CESI 05 ATEX 043

T6



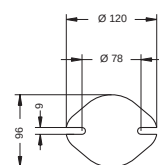
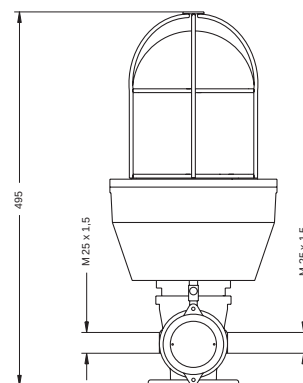
	V ---	24	48	—	—	—
	V			110	230/240	
● ● ●	mA	180	170	40	40	
● ● ○	mA	170	180	40	40	

EX080LD365BABY24DA1 ● 95861
EX080LD365BABY24DA2 ● 95862
EX080LD365BABY24DA3 ● 95863
EX080LD365BABY24DA4 ● 95864
EX080LD365BABY24DA5 ● 95865
EX080LD365BABY24DA6 ○ 95866

EX080LD365BABY110A1 ● 95881
EX080LD365BABY110A2 ● 95882
EX080LD365BABY110A3 ● 95883
EX080LD365BABY110A4 ● 95884
EX080LD365BABY110A5 ● 95885
EX080LD365BABY110A6 ○ 95886

EX080LD365BABY48DA1 ● 95871
EX080LD365BABY48DA2 ● 95872
EX080LD365BABY48DA3 ● 95873
EX080LD365BABY48DA4 ● 95874
EX080LD365BABY48DA5 ● 95875
EX080LD365BABY48DA6 ○ 95876

EX080LD365BABY230/240A1 ● 95891
EX080LD365BABY230/240A2 ● 95892
EX080LD365BABY230/240A3 ● 95893
EX080LD365BABY230/240A4 ● 95894
EX080LD365BABY230/240A5 ● 95895
EX080LD365BABY230/240A6 ○ 95896



Kg. 7,24



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 (±10%) H1: 12-24	~ 50/60 Hz	Flash/min. 110±20
IP 66	°C -25 +50	On
		1 2 3 4 5 6 PC
		M25x1.5*



EX 080 LA L

CESI 05 ATEX 043

T6

	V ==	12	24	48	—	—	—
	V	—	24	48	110	230/240	
	A	3.4	1.7	0.83	0.36	0.17	
	Cd (p)	720	900	720	67	135	

EX080LAL12D1 ● 96061
EX080LAL12D2 ● 96062
EX080LAL12D3 ● 96063
EX080LAL12D4 ● 96064
EX080LAL12D5 ● 96065
EX080LAL12D6 ○ 96066

EX080LAL48D1 ● 96091
EX080LAL48D2 ● 96092
EX080LAL48D3 ● 96093
EX080LAL48D4 ● 96094
EX080LAL48D5 ● 96095
EX080LAL48D6 ○ 96096

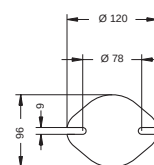
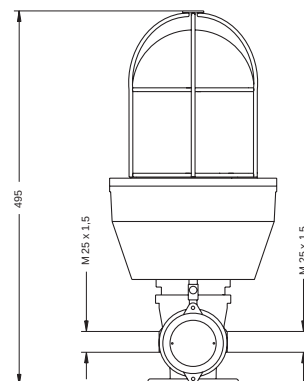
EX080LAL230/240A1 ● 96121
EX080LAL230/240A2 ● 96122
EX080LAL230/240A3 ● 96123
EX080LAL230/240A4 ● 96124
EX080LAL230/240A5 ● 96125
EX080LAL230/240A6 ○ 96126

EX080LAL24D1 ● 96071
EX080LAL24D2 ● 96072
EX080LAL24D3 ● 96073
EX080LAL24D4 ● 96074
EX080LAL24D5 ● 96075
EX080LAL24D6 ○ 96076

EX080LAL48A1 ● 96101
EX080LAL48A2 ● 96102
EX080LAL48A3 ● 96103
EX080LAL48A4 ● 96104
EX080LAL48A5 ● 96105
EX080LAL48A6 ○ 96106

EX080LAL24A1 ● 96081
EX080LAL24A2 ● 96082
EX080LAL24A3 ● 96083
EX080LAL24A4 ● 96084
EX080LAL24A5 ● 96085
EX080LAL24A6 ○ 96086

EX080LAL110A1 ● 96111
EX080LAL110A2 ● 96112
EX080LAL110A3 ● 96113
EX080LAL110A4 ● 96114
EX080LAL110A5 ● 96115
EX080LAL110A6 ○ 96116



Kg. 7,36

EX 080 LA L H

	V ==	12	24
	V	12	24
	A	4.6	2.9
	Cd (p)	720	720

EX080LALH12D1 ● 96131
EX080LALH12D2 ● 96132
EX080LALH12D3 ● 96133
EX080LALH12D4 ● 96134
EX080LALH12D5 ● 96135
EX080LALH12D6 ○ 96136

EX080LALH12A1 ● 96141
EX080LALH12A2 ● 96142
EX080LALH12A3 ● 96143
EX080LALH12A4 ● 96144
EX080LALH12A5 ● 96145
EX080LALH12A6 ○ 96146

EX080LALH24D1 ● 96151
EX080LALH24D2 ● 96152
EX080LALH24D3 ● 96153
EX080LALH24D4 ● 96154
EX080LALH24D5 ● 96155
EX080LALH24D6 ○ 96156

EX080LALH24A1 ● 96161
EX080LALH24A2 ● 96162
EX080LALH24A3 ● 96163
EX080LALH24A4 ● 96164
EX080LALH24A5 ● 96165
EX080LALH24A6 ○ 96166



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 INTEGRES ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZTE BLINK-(DAUERLICHT-) LEUCHTE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 (±10%)	~ 50/60 Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On
		1 2 3 4 5 6 PC
		M25x1.5*



EX 080 LD 455 LA

CESI 05 ATEX 043

T6

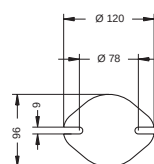
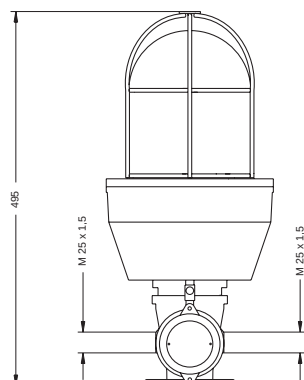
	V ==	24	48	—	—	—
	V			110	230/240	
● ● ●	mA	180	170	40	40	
● ● ○	mA	170	170	40	40	

EX080LD455LA24DA1 ● 96221
EX080LD455LA24DA2 ● 96222
EX080LD455LA24DA3 ● 96223
EX080LD455LA24DA4 ● 96224
EX080LD455LA24DA5 ● 96225
EX080LD455LA24DA6 ○ 96226

EX080LD455LA110A1 ● 96241
EX080LD455LA110A2 ● 96242
EX080LD455LA110A3 ● 96243
EX080LD455LA110A4 ● 96244
EX080LD455LA110A5 ● 96245
EX080LD455LA110A6 ○ 96246

EX080LD455LA48DA1 ● 96231
EX080LD455LA48DA2 ● 96232
EX080LD455LA48DA3 ● 96233
EX080LD455LA48DA4 ● 96234
EX080LD455LA48DA5 ● 96235
EX080LD455LA48DA6 ○ 96236

EX080LD455LA230/240A1 ● 96251
EX080LD455LA230/240A2 ● 96252
EX080LD455LA230/240A3 ● 96253
EX080LD455LA230/240A4 ● 96254
EX080LD455LA230/240A5 ● 96255
EX080LD455LA230/240A6 ○ 96256



Kg. 7,41



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 (±10%) H1: 12-24	~ 50/60 Hz	Flash/min. 110±20
IP 66	°C -25 +50	On ∞
		1 2 3 4 5 6 PC
		M25x1.5*



EX 0100 STL L H

EX 0100 STL L

CESI 05 ATEX 043

T6

	V ~	12	24	48	—	—	—
	V ~	12	24	48	110	230/240	
	A	3.8	1.9	0.9	0.36	0.18	
	Cd (p)	540	405	270	220	220	

EX0100STLL12D1 ● 96371
EX0100STLL12D2 ● 96372
EX0100STLL12D3 ● 96373
EX0100STLL12D4 ● 96374
EX0100STLL12D5 ● 96375
EX0100STLL12D6 ● 96376

EX0100STLL24A1 ● 96401
EX0100STLL24A2 ● 96402
EX0100STLL24A3 ● 96403
EX0100STLL24A4 ● 96404
EX0100STLL24A5 ● 96405
EX0100STLL24A6 ● 96406

EX0100STLL110A1 ● 96431
EX0100STLL110A2 ● 96432
EX0100STLL110A3 ● 96433
EX0100STLL110A4 ● 96434
EX0100STLL110A5 ● 96435
EX0100STLL110A6 ● 96436

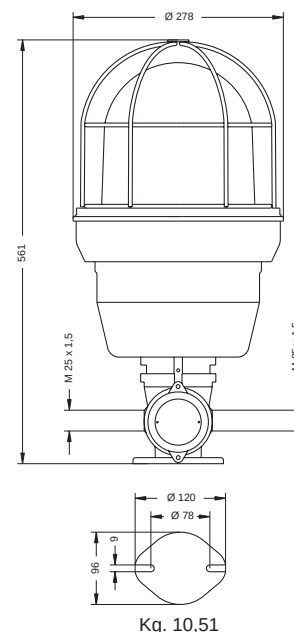
EX0100STLL12A1 ● 96381
EX0100STLL12A2 ● 96382
EX0100STLL12A3 ● 96383
EX0100STLL12A4 ● 96384
EX0100STLL12A5 ● 96385
EX0100STLL12A6 ● 96386

EX0100STLL48D1 ● 96411
EX0100STLL48D2 ● 96412
EX0100STLL48D3 ● 96413
EX0100STLL48D4 ● 96414
EX0100STLL48D5 ● 96415
EX0100STLL48D6 ● 96416

EX0100STLL230/240A1 ● 96441
EX0100STLL230/240A2 ● 96442
EX0100STLL230/240A3 ● 96443
EX0100STLL230/240A4 ● 96444
EX0100STLL230/240A5 ● 96445
EX0100STLL230/240A6 ● 96446

EX0100STLL24D1 ● 96391
EX0100STLL24D2 ● 96392
EX0100STLL24D3 ● 96393
EX0100STLL24D4 ● 96394
EX0100STLL24D5 ● 96395
EX0100STLL24D6 ● 96396

EX0100STLL48A1 ● 96421
EX0100STLL48A2 ● 96422
EX0100STLL48A3 ● 96423
EX0100STLL48A4 ● 96424
EX0100STLL48A5 ● 96425
EX0100STLL48A6 ● 96426



Kg. 10,51

	V ~	12	24
	V ~	12	24
	A	4.6	2.9
	Cd (p)	990	990

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

EX0100STLLH12D1 ● 96451
EX0100STLLH12D2 ● 96452
EX0100STLLH12D3 ● 96453
EX0100STLLH12D4 ● 96454
EX0100STLLH12D5 ● 96455
EX0100STLLH12D6 ● 96456

EX0100STLLH12A1 ● 96461
EX0100STLLH12A2 ● 96462
EX0100STLLH12A3 ● 96463
EX0100STLLH12A4 ● 96464
EX0100STLLH12A5 ● 96465
EX0100STLLH12A6 ● 96466

EX0100STLLH24D1 ● 96471
EX0100STLLH24D2 ● 96472
EX0100STLLH24D3 ● 96473
EX0100STLLH24D4 ● 96474
EX0100STLLH24D5 ● 96475
EX0100STLLH24D6 ● 96476

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 INTEGRES ANTIDEFLAGRANT /
EXPLOSIONSGESCHÜTZTE BLINK-(DAUERLICHT-) LEUCHE MIT INTEGRIERTEN LED / LUZ INTERMITENTE (FIJA) DE LED'S INTEGRADOS ANTIDEFLAGRANTE

V 24-48-110-230/240 (±10%)	~ 50/60 Hz	Flash/min. 0-150±20
IP 66	°C -25 +50	On ∞
		1 2 3 4 5 6 PC
		M25x1.5*



EX 0100 LD 865 STB

CESI 05 ATEX 043

T6

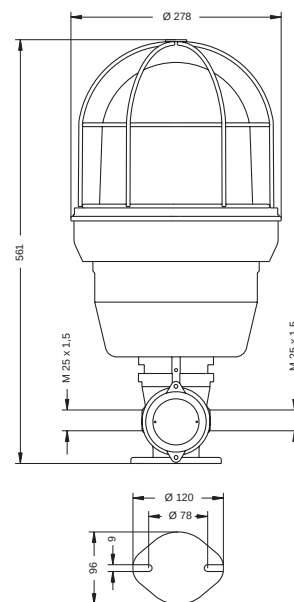
	V ~	24	48	—	—	—
	V ~	24	48	110	230/240	
	mA	190	170	60	60	
	mA	450	180	60	60	

EX0100LD865STB24DA1 ● 96501
EX0100LD865STB24DA2 ● 96502
EX0100LD865STB24DA3 ● 96503
EX0100LD865STB24DA4 ● 96504
EX0100LD865STB24DA5 ● 96505
EX0100LD865STB24DA6 ● 96506

EX0100LD865STB110A1 ● 96521
EX0100LD865STB110A2 ● 96522
EX0100LD865STB110A3 ● 96523
EX0100LD865STB110A4 ● 96524
EX0100LD865STB110A5 ● 96525
EX0100LD865STB110A6 ● 96526

EX0100LD865STB48DA1 ● 96511
EX0100LD865STB48DA2 ● 96512
EX0100LD865STB48DA3 ● 96513
EX0100LD865STB48DA4 ● 96514
EX0100LD865STB48DA5 ● 96515
EX0100LD865STB48DA6 ● 96516

EX0100LD865STB230/240A1 ● 96531
EX0100LD865STB230/240A2 ● 96532
EX0100LD865STB230/240A3 ● 96533
EX0100LD865STB230/240A4 ● 96534
EX0100LD865STB230/240A5 ● 96535
EX0100LD865STB230/240A6 ● 96536



Kg. 10,61



II 2GD EEx-de IIC LUCI FISSE ANTIDEFAGRANTI

EXPLOSION-PROOF CONTINUOUS LIGHT BEACONS / FEUX A LUMIERE FIXE ANTIDEFAGRANTS /
EXPLOSIONSGESCHÜTZTE DAUERLEUCHTEN / LUCES FIJAS ANTIDEFAGRANTES

V 12-24-48-110-230/240 (±10%)				==		~ 50/60 Hz					
IP 66	°C -25 +50	On		1	2	3	4	5	6	PC	 M25x1.5*



EX 050 OVO F **

CESI 05 ATEX 043 T6

	V ---	12	24	48	110	230/240
	V					
BA 15d 5W LR BA 15d 5W	mA	430	210	100	35	22
	Cd (p)	3.6	2.7	2.7	2.3	2.3

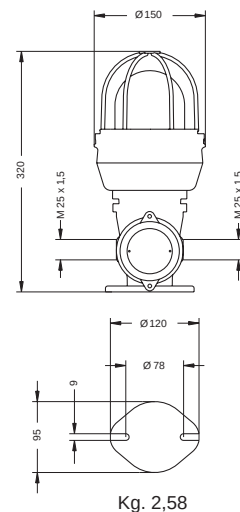
EX050OVOF12DA1 ● 95171
EX050OVOF12DA2 ● 95172
EX050OVOF12DA3 ● 95173
EX050OVOF12DA4 ● 95174
EX050OVOF12DA5 ● 95175
EX050OVOF12DA6 ○ 95176

EX050OVOF110DA1 ● 95201
EX050OVOF110DA2 ● 95202
EX050OVOF110DA3 ● 95203
EX050OVOF110DA4 ● 95204
EX050OVOF110DA5 ● 95205
EX050OVOF110DA6 ○ 95206

EX050OVOF24DA1 ● 95181
EX050OVOF24DA2 ● 95182
EX050OVOF24DA3 ● 95183
EX050OVOF24DA4 ● 95184
EX050OVOF24DA5 ● 95185
EX050OVOF24DA6 ○ 95186

EX050OVOF230/240DA1 ● 95211
EX050OVOF230/240DA2 ● 95212
EX050OVOF230/240DA3 ● 95213
EX050OVOF230/240DA4 ● 95214
EX050OVOF230/240DA5 ● 95215
EX050OVOF230/240DA6 ○ 95216

EX050OVOF48DA1 ● 95191
EX050OVOF48DA2 ● 95192
EX050OVOF48DA3 ● 95193
EX050OVOF48DA4 ● 95194
EX050OVOF48DA5 ● 95195
EX050OVOF48DA6 ○ 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 (±10%)					---		~ 50/60 Hz			
IP 66	°C -25 +50	On		 1	 2	 3	 4	 5	 6 / PC	 M25x1.5*



EX 070 MF F **

CESI 05 ATEX 043 T6

	V ---	12	24	48	110	230/240
	V					
BA 15d 25W LR BA 15d 25W	A	2.1	1.1	0.52	0.22	0.11
	Cd (p)	135	180	240	27	40

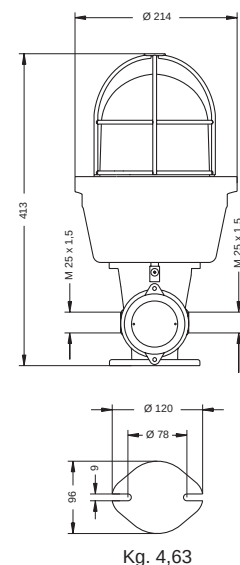
EX070MFF12DA1 ● 95361
EX070MFF12DA2 ● 95362
EX070MFF12DA3 ● 95363
EX070MFF12DA4 ● 95364
EX070MFF12DA5 ● 95365
EX070MFF12DA6 ○ 95366

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 /
EXPLOSIONSGESCHÜTZTE DAUERLEUCHTEN / LUCES FIJAS ANTIDEFLAGRANTES

V 12-24-48-110-230/240 (±10%)					---		~ 50/60 Hz			
IP 66	°C -25 +50	On		1	2	3	4	5	6 / PC	 M25x1.5*



EX 070 MAF F **

CESI 05 ATEX 043

T6

	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

BA 15d 25W
LR BA 15d 25W

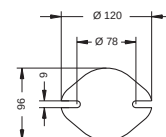
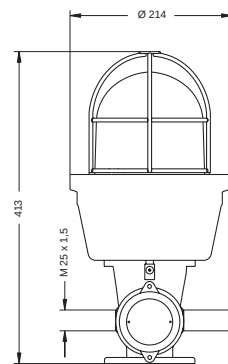
EX070MAFF12DA1 ● 95551
EX070MAFF12DA2 ● 95552
EX070MAFF12DA3 ● 95553
EX070MAFF12DA4 ● 95554
EX070MAFF12DA5 ● 95555
EX070MAFF12DA6 ○ 95556

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 (±10%)					---		~ 50/60 Hz			
IP 66	°C -25 +50	On		1	2	3	4	5	6 / PC	 M25x1.5*



EX 080 BABY F **

CESI 05 ATEX 043

T6

	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

BA 15d 25W
LR BA 15d 25W

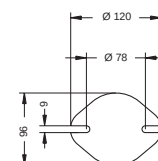
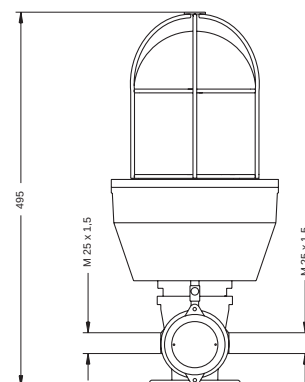
EX080BABYF12DA1 ● 95811
EX080BABYF12DA2 ● 95812
EX080BABYF12DA3 ● 95813
EX080BABYF12DA4 ● 95814
EX080BABYF12DA5 ● 95815
EX080BABYF12DA6 ○ 95816

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 /
 EXPLOSIONSGESCHÜTZTE DAUERLEUCHTEN / LUCES FIJAS ANTIDEFLAGRANTES

V 12-24-48-110-230/240 (±10%)				---		~ 50/60 Hz				
IP 66	°C -25 +50	On		1	2	3	4	5	6 / PC	 M25x1.5*



EX 080 LA F **

CESI 05 ATEX 043 T6

 BA 15d 40W LR BA 15d 40W	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	

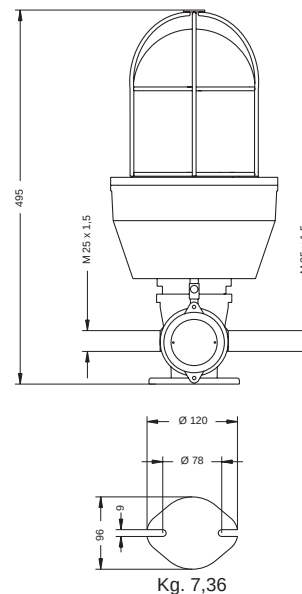
EX080LAF12DA1 ● 96171
 EX080LAF12DA2 ● 96172
 EX080LAF12DA3 ● 96173
 EX080LAF12DA4 ● 96174
 EX080LAF12DA5 ● 96175
 EX080LAF12DA6 ○ 96176

EX080LAF110DA1 ● 96201
 EX080LAF110DA2 ● 96202
 EX080LAF110DA3 ● 96203
 EX080LAF110DA4 ● 96204
 EX080LAF110DA5 ● 96205
 EX080LAF110DA6 ○ 96206

EX080LAF24DA1 ● 96181
 EX080LAF24DA2 ● 96182
 EX080LAF24DA3 ● 96183
 EX080LAF24DA4 ● 96184
 EX080LAF24DA5 ● 96185
 EX080LAF24DA6 ○ 96186

EX080LAF230/240DA1 ● 96211
 EX080LAF230/240DA2 ● 96212
 EX080LAF230/240DA3 ● 96213
 EX080LAF230/240DA4 ● 96214
 EX080LAF230/240DA5 ● 96215
 EX080LAF230/240DA6 ○ 96216

EX080LAF48DA1 ● 96191
 EX080LAF48DA2 ● 96192
 EX080LAF48DA3 ● 96193
 EX080LAF48DA4 ● 96194
 EX080LAF48DA5 ● 96195
 EX080LAF48DA6 ○ 96196



★★ 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 (±10%)				---		~ 50/60 Hz				
IP 66	°C -25 +50	On		1	2	3	4	5	6 / PC	 M25x1.5*



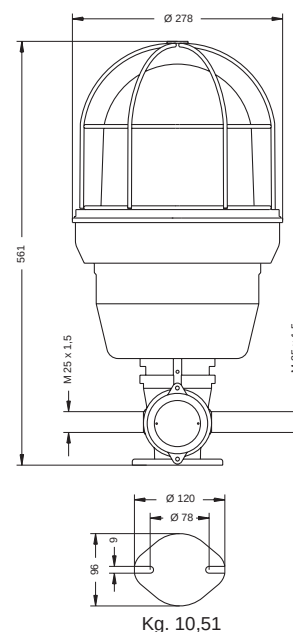
EX 0100 STL F **

CESI 05 ATEX 043 T4

 E 27 100W LR E 27 100W	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 /
EXPLOSIONSGESCHÜTZTE LAMPEN / LÁMPARAS ANTIDEFLAGRANTES

V 230/240 (±10%)				~ 50/60 Hz	
IP 66	°C -25 +50	On ∞		M25x1.5*	



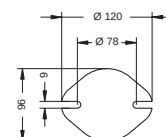
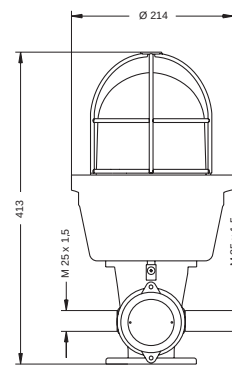
EX 070 LF 100

CESI 05 ATEX 043	T4
------------------	----

 E 27 100W LR E 27 100W	v ~	230/240
	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



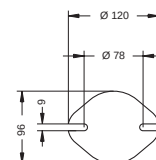
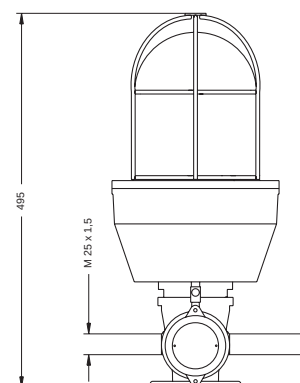
EX 080 LF 200

CESI 05 ATEX 043	T4
------------------	----

 E 27 200W LR E 27 200W	v ~	230/240
	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



II 2GD EEx-de IIC LAMPADE A LED ANTIDEFLAGRANTI

EXPLOSION-PROOF LED BULBS / AMPOULES A LEDS ANTIDEFLAGRANTES /
EXPLOSIONSGESCHÜTZTE LED LEUCHTMITTEL / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 (±10%)	~50/60 Hz	IP 66	°C -25 +50	On	
M25x1.5*					

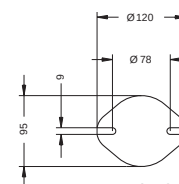
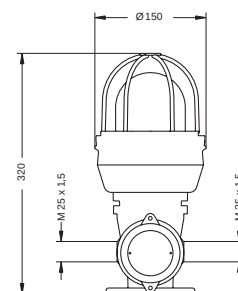


EX 050 LD SA 835

CESI 05 ATEX 043	T6
------------------	----

V	230/240
mA	40
Cd (p) ●	22 (max) 7 (min)
W	9

EX050LDSA835230/240A3 ● 96643



Kg. 2,59

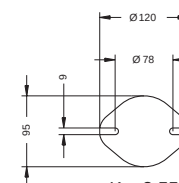
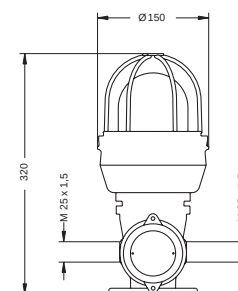


EX 050 LD SO 545

CESI 05 ATEX 043	T6
------------------	----

V	230/240
mA	25
Cd (p) ●	22 (max) 7 (min)
W	6

EX050LDSO545230/240A3 ● 96653



Kg. 2,55

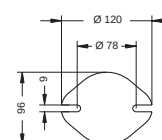
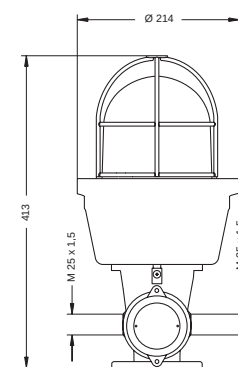


EX 070 LD SA 1195

CESI 05 ATEX 043	T6
------------------	----

V	230/240
mA	35
Cd (p) ●	>10
W	7

EX070LDSA1195230/240A3 ● 96663



Kg. 4,55

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 LED'S ANTIDEFLAGRANTES /

EXPLOSIONSGESCHÜTZTE LED LEUCHTMITTEL / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 (±10%)	~50/60 Hz	IP 66	°C -25 +50	On	
M25x1.5*					



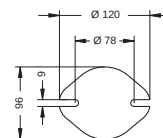
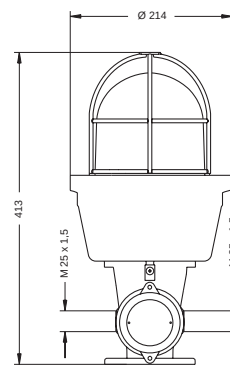
EX 070 LD SO 905

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



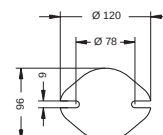
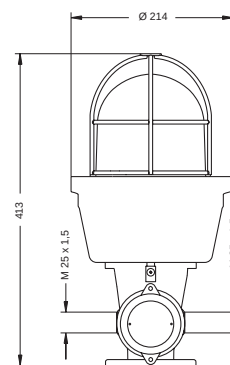
EX 070 LD SA 1395

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 /
EXPLOSIONSGESCHÜTZTE LED LEUCHTMITTEL / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 (±10%)	~50/60 Hz	IP 66	°C -25 +50	On	
M25x1.5*					



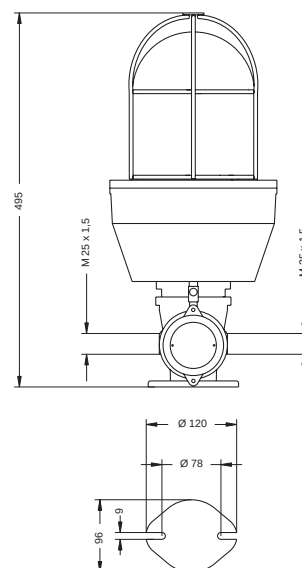
EX 080 LD SA 1995

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



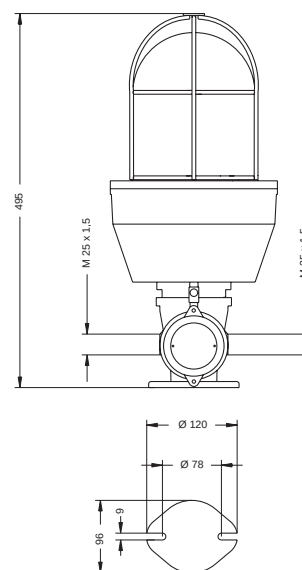
EX 080 LD SO 1505

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 LEDS ANTIDEFLAGRANTES /
EXPLOSIONSGESCHÜTZTE LED LEUCHTMITTEL / LÁMPARAS DE LED'S ANTIDEFLAGRANTES

V 230/240 (±10%)	~ 50/60 Hz	IP 66	°C -25 +50	On ∞	
M25x1.5*					

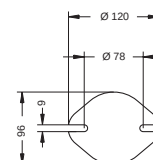
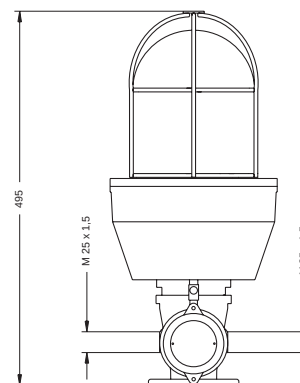


EX 080 LD SA 3185

CESI 05 ATEX 043	T6
------------------	----

V ~	230/240
mA	130
Cd (p) ●	>32
W	28.5

EX080LDSA3185230/240A3●97023



Kg. 7,38

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

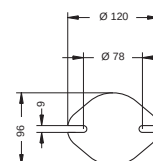
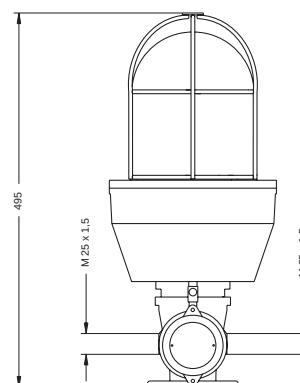


EX 080 LD SO 2105

CESI 05 ATEX 043	T6
------------------	----

V ~	230/240
mA	78
Cd (p) ●	>32
W	15

EX080LDSO2105230/240A3●97033



Kg. 7,28

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



II 2GD EEx-de IIC LUCI XENO ANTIDEFLAGRANTI

EXPLOSION-PROOF XENON FLASHING BEACONS / FEUX A ECLATS ANTIDEFLAGRANTS /
EXPLOSIONSGESCHÜTZTE BLITZLEUCHTEN / LUCES DE DESTELLOS ANTIDEFLAGRANTES

V 24-110-230/240 (±10%)		~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

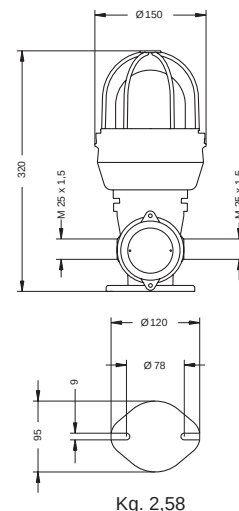
T6

2F 	V	24	-	-	-
	V	110	230/240		
	mA	360	50	65	
	Cd (p)	180 90	68 32	135 90	
XENON 2J LRX 2J		270	100	225	

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



Kg. 2,58

V 12÷24-110-230/240 (±10%)		~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

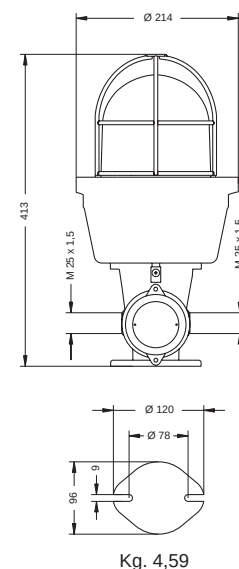
T6

1F 	V	12÷24		-	-	-
	V	110		230/240		
	mA	500	440	80	43	
	Cd (p)	630	900	1170	1305	
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



Kg. 4,59



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 (±10%)	---	~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

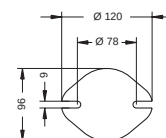
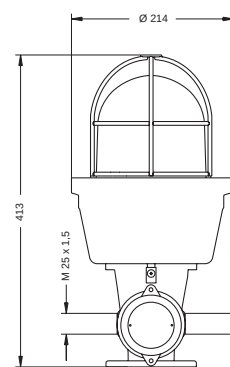
T6

1F XENON 6J LRX 6J	V ---	12÷24		—	—	—
	V			110	230/240	
	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



Kg. 4,83



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 MULTITENSION – UN SOLO DESTELLO

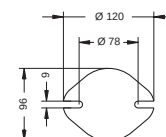
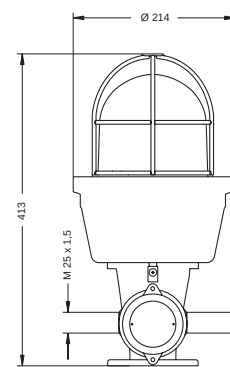
EX 070 MXF ELEV

CESI 05 ATEX 043

T6

1F XENON 1J LRX 1J	V ---	10÷100
	mA	50÷220
	Cd (p)	1620

EX070MXFE10/100D2 ● 95672



Kg. 4,83

V 12÷24-110÷240 (±10%)	---	~50/60 Hz	J_{3/9}	2F	IP 66
°C -20 +40	On		1 2 3 4 5 6 / PC	M25x1.5*	

EX 080 BABY X

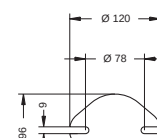
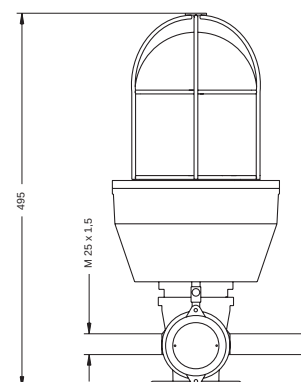
CESI 05 ATEX 043

T6

2F XENON 3-9J LRX 39J	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



Kg. 7,28





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÷240 (±10%)					~ 50/60 Hz			J3/9	2F	
IP 66	°C -20 +40	On		 1	 2	 3	 4	 5	6 / PC	 M25x1.5*



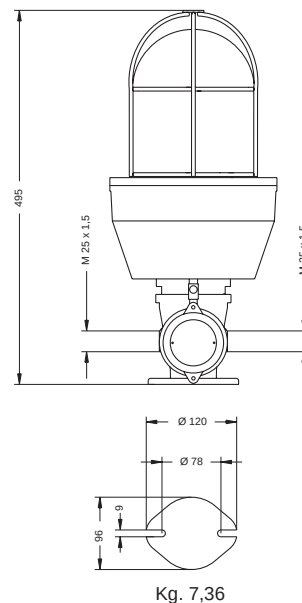
EX 080 LA X

CESI 05 ATEX 043 T6

2F		V ---	12÷24		110÷230÷240			2F
		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)	1890 720	1890 1440	1620 1800	1620 1800	1620 1800	
		Flash/min	95±5		65±5			
XENON 3-9J LRX 39J								

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



Kg. 7,36

V 12÷24-110-230/240 (±10%)			---	~ 50/60 Hz			J₁₅	1F	Flash/min. 65±10		
IP 66	°C -20 +40	On		1	2	3	4	5	6	PC	M25x1.5*



EX 0100 STF

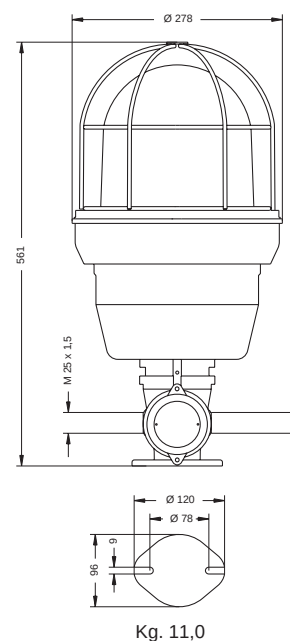
CESI 05 ATEX 043 T6

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



Kg. 11,0



II 2GD EEx-d IIC INTERRUITORI DI EMERGENZA ANTIDEFLAGRANTI

EXPLOSION-PROOF EMERGENCY SWITCHES / BOUTONS-POUSOIRS ANTIDEFLAGRANTS /

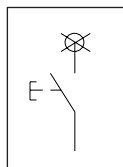
EXPLOSIONSGESCHÜTZTE SICHERHEITSKÄSTEN / INTERRUPTORES DE EMERGENCIA ANTIDEFLAGRANTES

IP 66	°C -20 +40	On ∞	1" ISO 7/1
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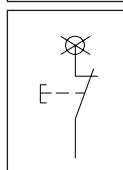


EX 025 PAG

CESI 05 ATEX 062 T6

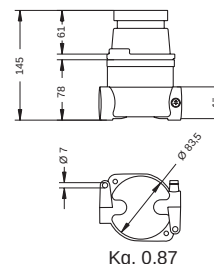


10A - 240V



10A - 240V

EX025PAG 96699



Kg. 0,87

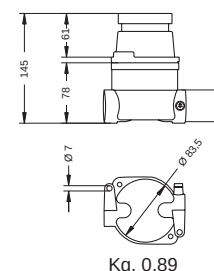


EX 035 PAG PCS

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



Kg. 0,89



II 2GD EEx-d IIC SPIA LUMINOSA ANTIDEFLAGRANTE

EXPLOSION-PROOF WARNING LIGHT / VOYANT LUMINEUX ANTIDEFLAGRANT /

EXPLOSIONSGESCHÜTZTER LEUCHTMELDER / LÁMPARA PILOTO ANTIDEFLAGRANTE

V 12-24-48-110-230/240 (±10%)	---	~ 50/60 Hz			
IP 66	°C -20 +40	On ∞	1 3 4 5 6	PC	1" ISO 7/1



EX 045 LD PAG SP

CESI 05 ATEX 062 T6

	V ---	12	24	48	—	—
	V ~				110	230/240
	mA	27	20	20	17	18

LD 044 F
BA9s

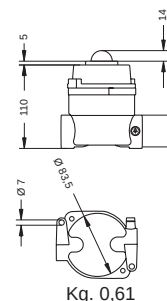
EX045LDPAGSP12DA1 ● 97051
EX045LDPAGSP12DA3 ● 97053
EX045LDPAGSP12DA4 ● 97054
EX045LDPAGSP12DA5 ● 97055
EX045LDPAGSP12DA6 ○ 97056

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



Kg. 0,61



RICAMBI

SPARE PARTS / PIECES 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 050



97120

EX 070



97121

EX 080



97122

EX 0100



97123

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



96698

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 15s

LRBA15S45W12	71600
LRBA15S45W24	71601
LRBA15S45W48	71606



LRE14T25W5048	71663
LRE14T25W110	71625
LRE14T25W230	71623
LRE14T25W240	71640



LR BA 15d

LRBA15D5W12	70941
LRBA15D5W24	70942
LRBA15D5W48	70943
LRBA15D5W130	70944
LRBA15D5W240	70945



LRBA15D25W12	70951
LRBA15D25W24	70952
LRBA15D25W48	70953
LRBA15D25W130	70954
LRBA15D25W240	70955



LRBA15D40W12	70956
LRBA15D40W24	70957
LRBA15D40W48	70958
LRBA15D40W130	70959
LRBA15D40W240	70960



LR E27

LRE27100W230	27798
LRE27200W230	97130



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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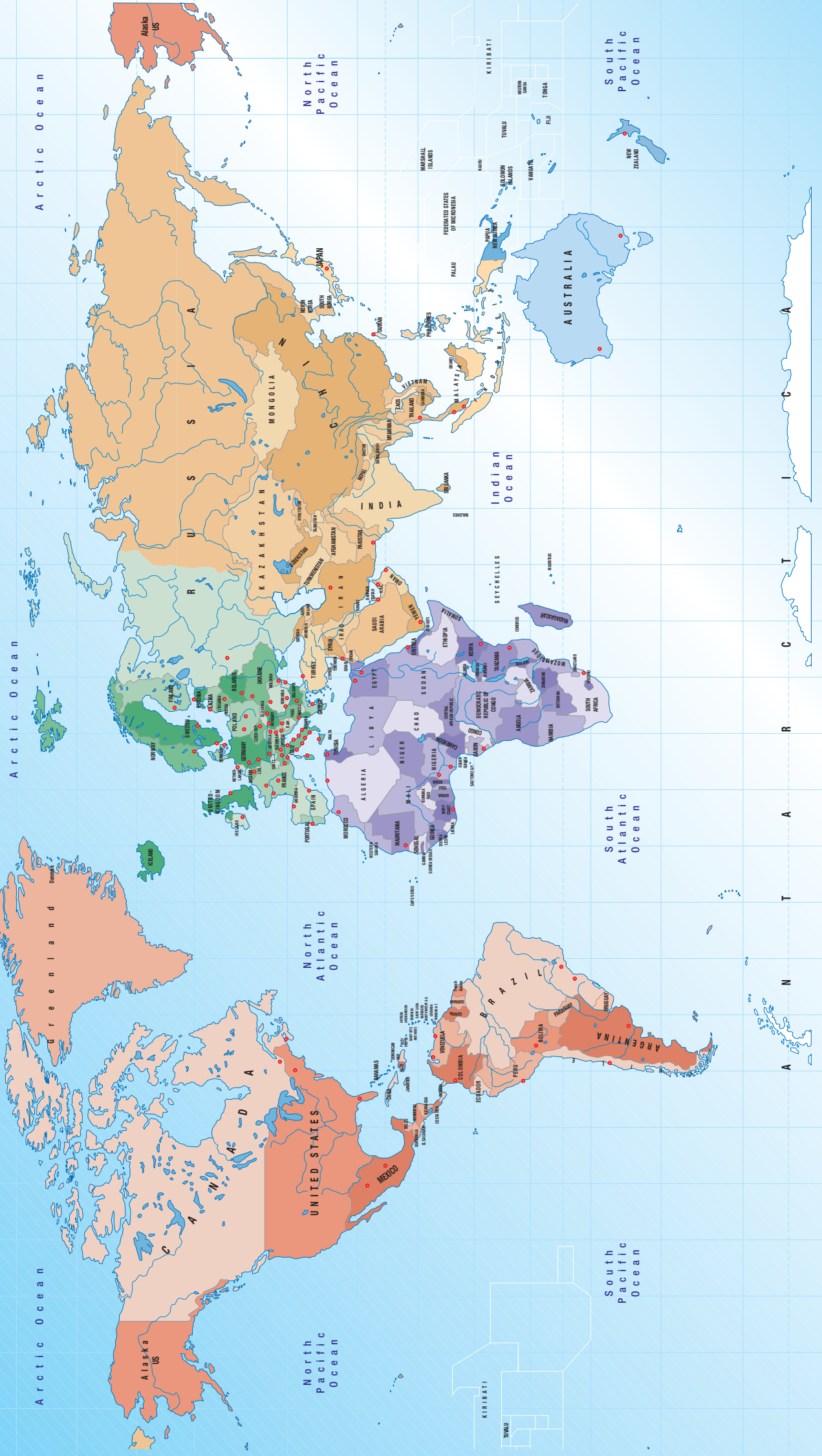


LR XENO 16J

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



SIRENA s.p.a.

Direzione e Sede: Corso Moncenisio 5-10-12-14-16 - 10090 ROSTA (Torino) Italia
Tel. 011.95.68.555 (25 LINEE ISDN) - Int. +39.011.95.68.555 - Telegr. SIRENA 10090 ROSTA
Fax 011.95.67.928 - 011.95.68.510 - Fax Export +39.011.95.68.597 - E-mail: sirena.spa@sirena.it - www.sirena.it
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Capitale sociale € 5.000.000 di cui versato € 5.000.000