



PERFORMANCE LIGHTING

SHORT FORM CATALOGUE

2011/2012



OUTDOOR MULTI USE FLOODLIGHTS



40 WIN



44 5STARS



54 LEO



56 JOLLY



58 SPIDER



60 YPSILON



186 SQUARE

HIGH POWERED FLOODLIGHTS FOR SPORT AREAS



52 5STARS 1000



146 HORO



148 RAY



150 SKYS



152 LASER

LUMINAIRES FOR INSTALLATION ON SPORT SITES AND PUBLIC AREAS



82 RF7

WALL AND CEILING MOUNT LUMINAIRES MADE OF PLASTIC FOR GENERAL USE



62 RANDA



68 FLUOSPOT



70 FLUOLINE 1



72 FLUOLINE 2



73 FLUOLINE 3

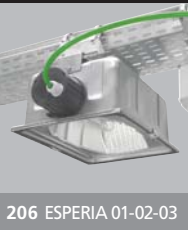


67 SKIPPER

FLUORESCENT LINEAR CEILING FIXTURES FOR INDUSTRIAL USE



LUMINAIRES FOR TUNNELS LIGHTING



INDUSTRIAL SUSPENDED LUMINAIRES



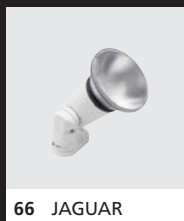
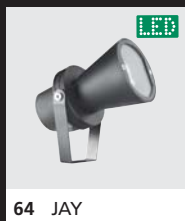


PAG PRODUCT NAME



PAG PRODUCT NAME

EXTERIOR LANDSCAPING FLOODLIGHTS



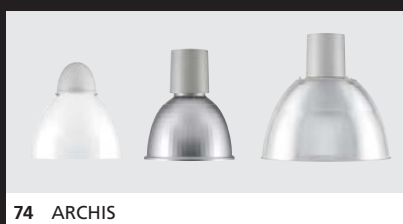
WALL MOUNT LUMINAIRES WITH LIGHT EFFECTS



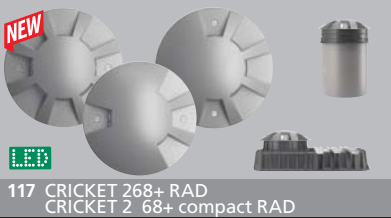
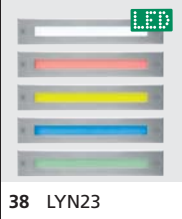
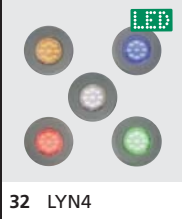
FLOODLIGHTS FOR SHOPS AND COMMERCIAL AREAS



SUSPENDED LUMINAIRES FOR COMMERCIAL AREAS



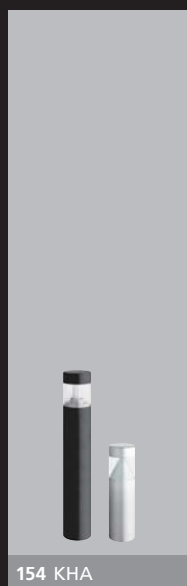
RECESSED INGROUND FITTINGS



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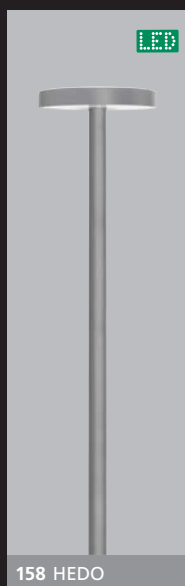
AMENITY LUMINAIRES



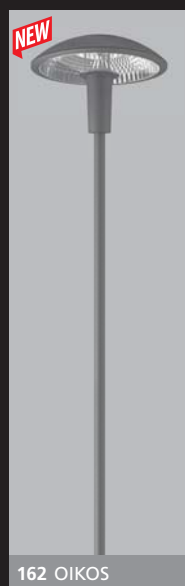
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156 KHAslim



158 HEDO



162 OIKOS



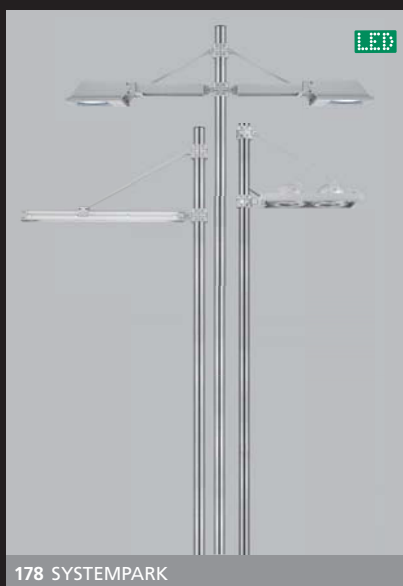
164 OLA



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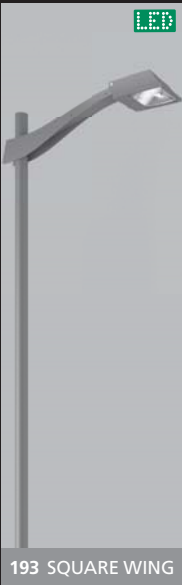
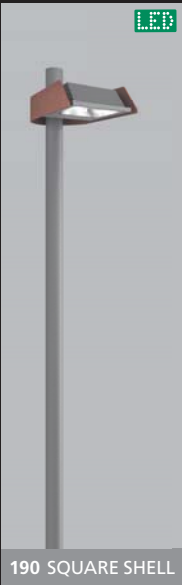


186 SQUARE

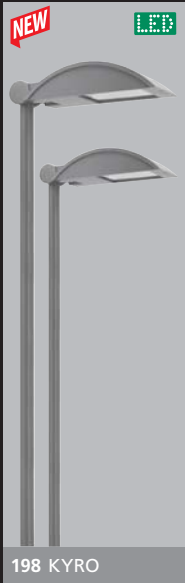
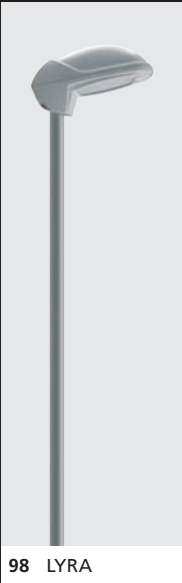
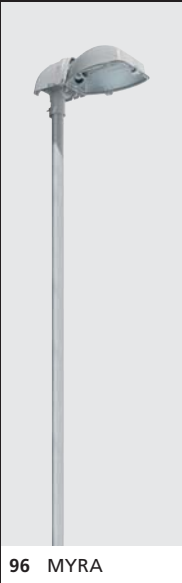


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AMENITY LUMINAIRES



STREET LIGHTING





PAG PRODUCT NAME



PAG PRODUCT NAME



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Photographs
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Archivio SBP.

Concept, art work, image editing and lay-out
SBP Communication

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consulted online on the website www.sbp-pil.com.
Performance in Lighting believes in using natural resources responsibly.

SBP® is a brand of PERFORMANCE IN LIGHTING SpA.
SBP URBAN LIGHTING® is a brand of PERFORMANCE IN LIGHTING SpA.

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PRODUCTS, STANDARDS AND USE

STANDARDS

SBP products are manufactured under UNI EN ISO 9001 certified quality assurance system, in conformity with European norms EN 60598-1 (CEI 34-21) and in conformity with the European directives L.V. 73/23 CEE and 93/68 CEE-EMC 89/336 CEE. They are CE marked and can freely circulate throughout the European Union.

VOLTAGE & OPERATION

Fittings are wired for a main supply of 230V/50Hz and have a power factor of $\cos\phi \geq 0,9$ unless otherwise indicated. Other options available on request.

To ensure longevity of lamp and control gear with optimum operation of fittings we recommend:

- Installation is made by qualified personnel only.
- Mounting instructions are carefully read and followed with particular attention to its intended use and purpose; ambient temperature, recommended installation, mains supply voltage, operating positions and distance from illuminated object.
- Regular maintenance schedules are followed, especially with regards to lamp replacement and electrical components at the end of their life.

CHEMICAL COMPATIBILITY

It is important to consider the compatibility between the materials from which a product is manufactured and the reaction from chemicals present within the atmosphere of the environment they are to be installed. See table of standard SBP materials against a comprehensive list of chemicals.

GLASS COVERS

The glass installed in our fittings is toughened "safety" glass and if broken it will fracture into small blunt relatively "safe" pieces. The toughened glass is produced in a high quality glassworks under automatic and constantly controlled production methods. SBP regularly audit and conduct fragmentation test as part of their quality control prior to any installation. However it not possible to guarantee glass un-breakable, due to its nature and production methods, breakage can occur in exceptional cases (approx. 0.3%) during the first few hour of operation.

When installing the medium to large diameter fittings in open public areas the use of a safety grill, available as an accessory, is recommended.

LIGHT POLLUTION

The requirement to reduce light pollution is increasing and is foremost on the agenda with many local authorities who have regulations that may differ regionally. Therefore it has become necessary for all parties involved with the installation of equipment to ensure that the fittings are suitable for the intended application and comply with the local regulations in force. SBP has a wide range of products and the design experience to assist in meeting such regulations.

CHEMICAL COMPATIBILITY

● Resistant ◐ Partially resistant ○ None resistant

	Stainless steel	Aluminium AL	Polyamid PA	Methacrylate PMMA	Polycarbonat PC
Acetone	●	●	●	○	◐
Ethyl acetate	●	●	●	○	○
Arsenic acid		○		●	●
Acetic acid ≤ 30%	○	●	○	◐	◐
Bromic acid	●	○	○	○	○
Hydrochloric acid ≤ 20%	○	○	○	●	●
Citric acid ≤ 20%	◐	◐	◐	●	●
Formic acid ≤ 30%	◐	○	○	◐	◐
Nitric acid ≤ 20%	◐	◐	○	◐	◐
Sulphuric acid ≤ 50%	○	○	○	●	●
Sea climate	◐	◐	◐	●	●
Sodium chloride solution	●	●	◐	●	●
Hydrogen dioxide ≤ 40%	●	●	○	○	◐
Alcohol ≤ 30%	●	◐	●	●	●
Ethyl alcohol	●	●	●	◐	●
Isopropyl acid	●	◐	●	○	◐
Ammonia ≤ 25%	●	●	◐	●	◐
Carbon dioxide	●	●	◐	●	●
Aniline	●	●	○	○	○
Benzene	●	◐	●	○	○
Gasoline	●	●	●	●	●
Ketones	●	●		○	○
Chlorine (vapours)	○	●	○	◐	◐
Chloroform	◐	○	○	○	○
Chlorophenol	●	●		○	○
Methyl chloride	●	◐	○	○	○
Calcium chloride	◐	●	○	●	●
Oil of turpentine	●	●	●	◐	○
Ether	◐	●	●	○	○
Oil Ether	●	●	●	●	◐
Phenols	●	◐	○	○	○
Glycerol	●	●	●	●	◐
Animal fats	●	●	●	◐	○
Vegetal fats	●	●	●	◐	○
Synthetic lyes	●	●	○	●	◐
Methanol	●	◐	◐	○	○
Mineral oil	●	●	●	●	○
Vegetable oil	●	●	●	●	◐
Silicone oil	●	●	●	◐	●
Carbon monoxide	●	●	●	●	●
Ozone	●	●	○	●	◐
Soda	◐	◐	○	●	●
Caustic soda ≤ 2%	●	○	○	●	○
Caustic soda ≤ 10%	●	○	○	●	○
Aluminium sulphate	●	●	●	●	●
Copper sulphate	●	●	◐	●	●
Hydrogen sulphide	●	●	●	●	●
Carbon tetrachloride	○	●	●	○	○
Toluene	●	●	●	○	◐
Trichloroethylene	○	●	◐	○	○
Xylol	●	●	●	○	○

COLOURS

81	MATT BLACK RAL 9005
80	BLACK RAL 9005
85	WHITE RAL 9005
87	WHITE
90	LIGHT GREY RAL 7035
96	ANTHRACITE GREY SABLÉ - AKZO NOBEL
94	ALUMINIUM GREY similar to RAL 9006
97	LIGHT GREY
04	STAINLESS STEEL
40	NATURAL BRONZE
11	Extruded anodized ALUMINIUM
50	COPPER

SYMBOLS



Fittings for outdoor installation



Fittings for indoor installation



max 5,1kg Gross weight



Windage area

WIRING

---	Without electrical parts
C	Wired LPF
CR	Wired HPF
CRL	Wired HPF with lamp
CRF	Wired HPF + fuse
ETRC	Wired with electronic ballast
L	With lamp
T	With transformer

IK CODE

IK Protection degree of the housing against mechanical impacts (Joule).
 J

IK	00	01	02	03	04	05	06	07	08	09	10
J	----	0,15	0,20	0,35	0,50	0,70	1	2	5	10	20

CLASS

CLASS I	Exposed conductive parts; protective earth required.
CLASS II	Double insulated; designed without the need for protective earth.
CLASS III	Designed for use on SELV (Safety Extra Low Voltage) supply.

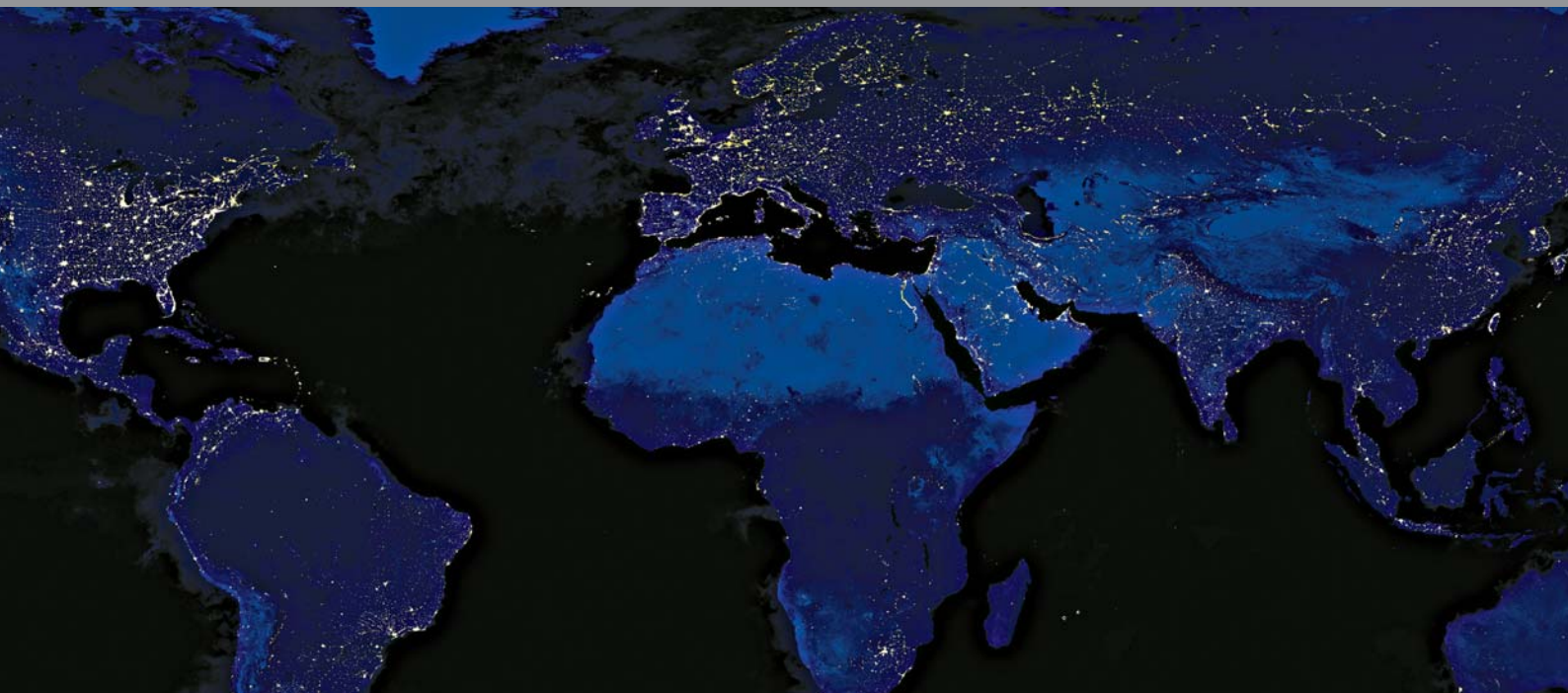
IP PROTECTION DEGREE

IP 20	Protected from solid bodies of $\geq 12,5$ mm diameter. Not protected against water.
IP 23	Protected from solid bodies of $\geq 12,5$ mm diameter. Protected against rain to a maximum of 60° to the vertical.
IP 30	Protected from solid bodies of $\geq 2,5$ mm diameter.
IP 33	Protected from solid bodies of $\geq 2,5$ mm diameter. Protected against rain to a maximum of 60° to the vertical.
IP 40	Protected from solid bodies of ≥ 1 mm diameter. Not protected against water.
IP 54	Protected against dust. Protected against water sprays.
IP 55	Protected against dust. Protected against water jets.
IP 65	Totally protected against dust. Protected against water jets.
IP 66	Totally protected against dust. Protected against strong jets.
IP 67	Totally protected against dust. Protected against the effects of short immersion.
IP 68	Totally protected against dust. Protected against the effects of permanent immersion.

PERFORMANCE LIGHTING

PERFORMANCE IN LIGHTING: A UNIQUE COMPANY

Performance in Lighting has been formed from the merger of a number of well known and established technical lighting companies, each tried and trusted in their own right. Recognised for its unique professional approach and technical know-how, Performance in Lighting has combined its experience and technical expertise to become an international leader in their field. Performance in Lighting produce high quality engineered products, designed to provide a vast array of lighting solutions to satisfy even the most demanding of projects. Our products are sold under the brand names **Prisma Architectural, Spittler, SBP Urban Lighting, Prisma, and SBP** each having their own attributes and solutions to design and lighting.



THE DISTRIBUTION NETWORK

Performance in Lighting has a wide sales and distribution network, operating throughout **Italy and the rest of the world** through agents, branches and subsidiaries. Besides having an important and historical position in the **Italian, French, American, Belgium and German markets**, where it has production and wholly

owned subsidiaries, it also exports to more than **90 countries** worldwide. The Performance in Lighting branches; **Netherlands, Spain, Portugal, UK, Finland and China** are actively promoting and selling the Group brands.



PRISMA[®]

ARCHITECTURAL

Prisma Architectural is a collection of designed indoor and outdoor lighting products with innovative features and designs, manufactured from high quality materials they offer a comprehensive range of wall and ceiling mounted luminaires, pole mounted lighting, and in-ground recessed lighting.



Spittler offers a wide range of interior lighting for commercial and retail applications with an emphasis on the lighting of interior spaces and offices to the latest recommendations. Their comprehensive range of customisable downlights, suspended fittings, spotlights and projectors are an ideal choice for the lighting of interior commercial buildings, schools and retail complexes. Technical design and quality of materials combine to create performance with visual comfort to improve the quality life in the illuminated environment.



SBP Urban Lighting is a range of luminaires designed for road and public area lighting. A wide range of optics and lamps are offered, combined with latest technology in photometric design, to comply with the recommendations for glare control and upward light pollution. Suitable for a variety of public area lighting applications; sports stadiums, road/street lighting and pathways, car parks, squares and pedestrian zones.



PRISMA®

Prisma Prisma offers a comprehensive range of indoor and outdoor lighting for commercial and residential applications; providing a family range of products for surface, suspended and pole mounting installation. The Prisma range combines quality materials with aesthetic designs to offer a competitive priced solution to lighting.



SBP products, which are known for their special technological performance and high quality standards, which meet the most specific and particular lighting needs. These products offer the ideal solution for the lighting of sports facilities, large industrial areas, shopping centres, buildings and residential areas.

PRODUCT DEVELOPMENT

Performance in Lighting pools productive **know-how and experience** in strategic sectors like research, development and marketing.

Product design is undertaken with the solid support of an internal structure that works with the most sophisticated **CAD programs**, compatible with all production phases.

The design of the components that go into the finished luminaires is monitored down to the smallest detail of construction, and **3D simulation** allows designers to evaluate the aesthetic qualities of the finished product before beginning the mass production phase.



DESIGN



WARRANTY

The design of Performance in Lighting products is protected from possible imitations through **registration of the decorative model** in all European countries and in leading extra-European countries.

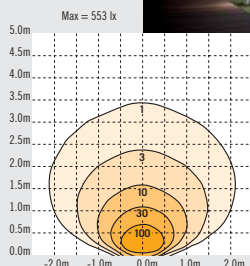
All products are covered by a **5-year warranty**, provided that they are used and maintained according to instructions. Consumable materials, such as bulbs, starters, electronic ignitors and reactors, which are compliant with warranty regulations issued by the European Directive on the subject, are not included in the warranty.

Focus on **quality, safety and duration in time** are the essential objectives of Performance in Lighting.





DESIGN ASSISTANCE



RELUXSUITE

Relux Informatik AG has developed a platform of programmes for **computerised lighting design** projects. These lighting calculation instruments allow accurate tests and measurements to be conducted with regard to natural, artificial and combined light, in various indoor and outdoor environments. Furthermore, a quotation programme integrated in the software enables **estimates and information literature**, including photometric curves, to be presented. The new version of the "Relux-Suite" software contains the calculation and design programme "ReluxPro", in addition to the lighting data of all products manufactured by the Group. This software application may be downloaded free of charge from www.relux.biz.

LIGHT PERFORMER

For more specific needs, Light Performer (version 1.5) is the **program for lighting calculations** for indoor and outdoor planning. The software lets the designer calculate and elaborate the data, and meticulously check the quality and level of lighting on all the surfaces and furnishings in an area, with the possibility of importing **DXF files** pertinent to the geometry of the area that needs lighting. With **five integrated work modules**, the program can be used to research parameters to select the most suitable product, generate renderings, manage photometric data and prepare estimates. The program can be ordered on CD ROM, or downloaded from the website. Updates about new products can also be downloaded from the site.



Performance in Lighting is a **founding member of Ecolight** (Italy), a consortium created to address and solve **problems of an ecological nature** involving luminaires, and is also a member of similar associations throughout Europe. The life cycle of PIL fixtures draws to a close with their correct disposal.

Performance in lighting has long promoted the use of new **high efficiency bulbs** by producing fixtures that have been specially studied for fluorescent or LED bulbs, and by proposing energy saving bulbs that offer an alternative to the traditional incandescent ones published in its catalogue.

THE ENVIRONMENT: A PROJECT COMPONENT

Respect and focus on the environment underpin product design and development operations carried out by Performance in Lighting. The company has always privileged and deemed **noble materials** that have a minor impact on the environment as a primary goal.

Glass, a 100% recyclable noble material, has always distinguished the product, and so have the **technopolymers** used, which meet very high quality standards and are totally recyclable. The high purity **aluminium** used for Performance in Lighting products is appropriately processed to both resist atmospheric agents and to last in time.

All products have been developed with the utmost compliance with the **European Directive 2002/95/CE RoHS** and therefore do not contain dangerous substances or metals. Each luminaire is designed to facilitate separation and recovery of the various component materials once it has finished its useful lifetime, and is therefore **98% recyclable**.



Performance in Lighting makes use of superior quality **electronic reactors** or **reactors with a very low loss** to contribute towards optimising the use of energy.

Performance in Lighting pays particular attention to the laws that regulate the dispersion of light towards the sky and the advantageous use of energy. The company has a state-of-the-art photometric laboratory and specific software for **designing reflectors to enable development of high efficiency luminaires**.

Performance in Lighting prints its catalogues only on **paper from properly managed forests and specially grown trees**.





photo: Alessandra Garusi for CINI (Kolkata - India)

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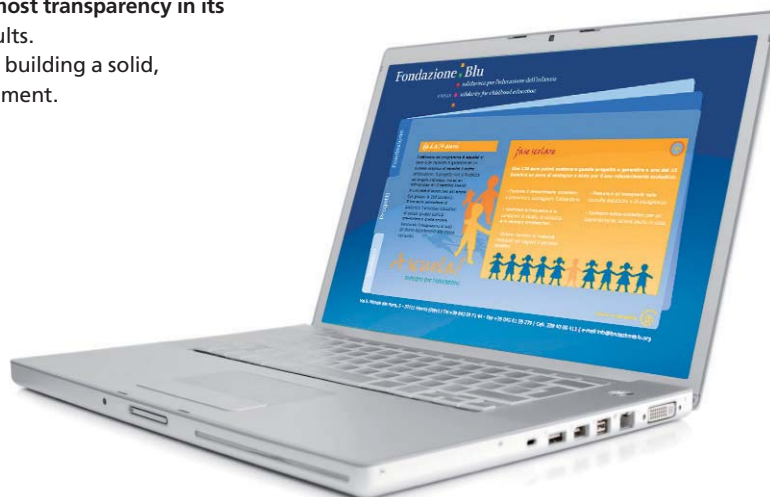
FONDAZIONE BLU: FOR A FUTURE OF SOCIAL DEVELOPMENT

Performance in Lighting is a supporter of **Fondazione Blu**, an association founded with goal of guaranteeing the **right to care and education** in early childhood to children living in the poorest areas of the planet.

Contributions to the Foundation make up the basis for the long term financing of its projects. Funds raised go into the **invested capital**, from which interest is made that goes toward financing and supporting initiatives for as long as the foundation lasts and develops.

Fondazione Blu is dedicated, maintains the **utmost transparency in its operations**, and periodically documents its results.

These practices are proof of its commitment to building a solid, sustainable future of large-scale social development.



web www.fondazione-blu.org



NIDO BLU

The well being of children and their working parents is one of the main reasons behind Fondazione Blu, and the inspiration for the creation of **Nido Blu** by Performance in Lighting, a day care centre open since September 2002 at one of the main offices of the company in the province of Verona.

This centre is designed to accommodate children aged 7 to 36 months, the sons and daughters of employees of companies in the area, and provide them with a **socio-pedagogical program** approved by the **Veneto Region**.

Nido Blu is self-managed by a cooperative, made up of personnel specialised in the care and education of small children.

Connected with the Nido Blu there is the **Fattoria Didattica** (Learning Farm), an organisation where several pairs of different species of animals are cared for, with the goal of **acquainting children with nature** at a very young age, in a spontaneous and direct way just like on a real farm.

This structure, which has an area of 7000 m², is managed by Performance in Lighting employees, who cooperate as volunteers in collaboration with the public veterinary service.



CRICKET 16 Quick

design Silvia Paola Pennacchio



CRICKET 16 QUICK is a circular shaped range of recessed in-ground fixtures, suitable for vehicle crossings, available with different light sources, up to 50W maximum. Quick versions are supplied complete with lamps factory fitted to speed up and maintain integrity during installation. A selection of lamp colour temperatures are available in some models, with a choice of distributions to satisfy a wide variety of applications. Cricket 16 Quick is manufactured from high quality materials and designed to make installation and maintenance quick and simple.

Available in the following versions:

Cricket 16 QUICK / AL - with aluminium ring painted in anthracite-grey sablé and flat glass.

Cricket 16 QUICK / I - with stainless steel coated ring AISI 316 and flat glass.

Cricket 16 QUICK features:

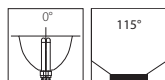
- factory fitted lamps, with a selection of lamp colour temperatures and distributions,
- vertical adjustability of the lamp unit (according to the models),
- low glass temperatures (according to the models).

- Technopolymer body and outer recessing enclosure provides high corrosion resistance and stability in variable ambient temperatures.
- Tempered float safety glass (IK 09 - 16 Joule).
- Anti-ageing silicone gasket provides high flexibility and recovery to maintain IP67 rating.
- (16 QUICK / AL) Frame in die-cast aluminium, phosphorchromated and painted in anthracite-grey sablé or coated in stainless steel AISI 316 (16 QUICK / I)
- Cable gland M20x1.5 for cables Ø7- Ø12 mm.
- Connection box in technopolymer with automatic connector switch to facilitate the electric connection.
- Power supply 230V/50Hz, 220÷240V on specification.
- External screws in stainless steel.
- Horizontal adjustability of the fixture at 360°.
- Quick easy adjustable levelling system allows movement of the fitting to ensure a flush finish to ground during installation.



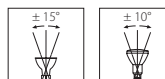
CRICKET 16 Quick / C

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
E27	14W	FBT	6.500	C EW	96	II				• 07033396	Q	68°
E27	14W	FBT	6.500	C EW	04	II				• 07033404	Q	68°
E27	14W	FBT	2.700	C EW	96	II				• 07034896	Q	68°
E27	14W	FBT	2.700	C EW	04	II				• 07034904	Q	68°



CRICKET 16 Quick

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
Gu5,3	50W	HRG 36°	3.000		96	II	T			• 07033596	Q	175°
Gu5,3	50W	HRG 36°	3.000		04	II	T			• 07033604	Q	175°
GZ10	50W	HRG 35°	2.900		96	II				• 07033796	Q	175°
GZ10	50W	HRG 35°	2.900		04	II				• 07033804	Q	175°
E27	50W	PAR 20 30°	2.900		96	II				• 07033996	Q	175°
E27	50W	PAR 20 30°	2.900		04	II				• 07034004	Q	175°
GX10	20W	CMH-MR16-25°	3.000		96	II	ETRCL			• 07034196	Q	80°
GX10	20W	CMH-MR16-25°	3.000		04	II	ETRCL			• 07034204	Q	80°
GX10	20W	CMH-MR16-40°	3.000		96	II	ETRCL			• 07034396	Q	80°
GX10	20W	CMH-MR16-40°	3.000		04	II	ETRCL			• 07034404	Q	80°



Complete with electronic ballast 220÷240V 50/60Hz.

Q Supplied with a light source that is already installed and the water-stop device.

T With transformer 230V/12V.

Version with adjustable lamp position.

Quick!

FAST INSTALLATION: See model numbers for fittings supplied complete with lamp.

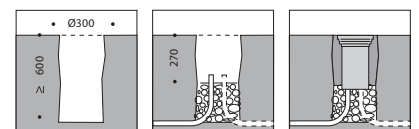
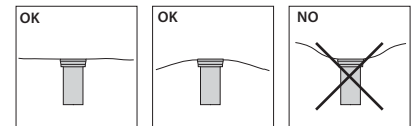
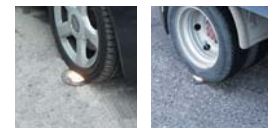


						IK 09 16J			max 2,8 kg						
CLASS II			IP 67							HRG 	CMH-MR16 	HRG 	IPAR 	FBT 	

INSTALLATION

CRICKET 16 QUICK recessed in-ground fitting may be subjected to heavy loads and impact from pedestrians / motor vehicles during operation. To ensure optimum performance and safety it is important that the fittings are correctly installed by suitably qualified person , in strict accordance with the manufacturers installation instructions. Fittings should not be installed in a hollow or submerged underwater, they should be provided with proper drainage by means of a gravel sump, or drain pipe, $\geq 30\text{cm}$ below the bottom of the fitting. When installing fittings within public access it is advisable to be aware of the glass surface temperatures indicated ($T_{\text{max}}^{\circ}\text{C}$) and confirm measurements at rated voltage are in accordance with national and local standards.

We recommend the use of H07RN-F cables only.



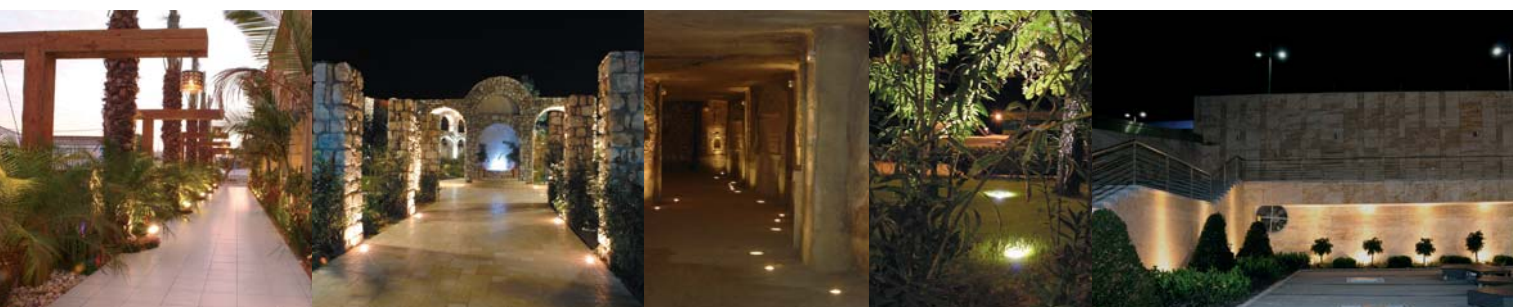
100m Max				
H07RN-F	14W	20W	50W GU 5,3	50W GZ10
2x1,5mm ²	n°40	n°26	n°11	n°12
2x2,5mm ²	n°70	n°42	n°19	n°20



ACCESSORIES



Code	Denomination	Description
14090720	A0450 AL	Frosted glass for a reduced glare more comfortable light emission (suitable for Cricket 16 Quick/AL only).
14122820	A0450	Frosted glass for a reduced glare more comfortable light emission, suitable for Cricket 16 Quick/Inox only.
14090820	A0451 AL	Frosted glass supplement to be ordered together with fitting for factory fitted option. For Cricket 16 Quick/AL only.
14122920	A0451 I	Frosted glass supplement to be ordered together with fitting for factory fitted option, suitable for Cricket 16 Quick/Inox only.
14018320	A0235 AL/I	Rubber cable H07RN-F 2x1.5mm² supplied and sold in 1 metre units.
14051720	A0323	Anti-tearing M20x1.5 cable gland kit for through wiring connection





CRICKET 21 Quick is a range of compact shallow depth recessed in-ground IP67 rectangular fittings designed to take the load and impact from motor vehicles. The simple contemporary geometry combined with high quality corrosion resistant materials make CRICKET 21 Quick suitable for a variety of both indoor and outdoor applications.

- Technopolymer body and outer recessing enclosure with high corrosion resistance and stability in variable ambient temperatures.
- Cover frame in die-cast aluminium anti-corrosive chromate pre-treated finished polyester coated. Other colour finishes available on request.
- Reflectors (where applicable) in high purity 99.85% aluminium anodised and polished.
- Silicone anti-ageing gaskets.
- Toughened safety glass.
- M20x1.5 cable gland for Ø7-12mm cables.
- 2x2.5 mm² automatic isolating terminal interrupts supply on removal of cover.
- Stainless steel external fixings.



CRICKET 21 Quick/2X20

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
GU5,3	2x20W	HRG 36°	dicr.		94	II	T			07035694	T Q	80°



Cricket 21 twin lamp halogen dichroic fitting provides additional security feature of one lamp operating on failure of the other lamp. The lamps are adjustable on site ±10° from vertical position.

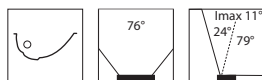
T With transformer 230V/12V

Q Supplied with a light source that is already installed and the water-stop device.



CRICKET 21 Quick/20 G8.5

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
G8,5	20W	MT	3.000	A	94	II	ETRCL			07035794	E Q	75°



Cricket 21 with asymmetrical distribution (Imax 11°). Important note: See recessed enclosure installation instructions for asymmetric distribution aiming.

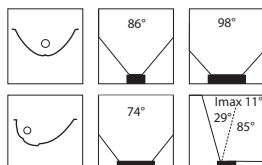
E Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Q Supplied with a light source that is already installed and the water-stop device.



CRICKET 21 Quick/9-26 FLUO

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
2G7	9W	FSD	4.000	A	94	II	ETRCL	A2		07035094	E Q	48°
2G7	9W	FSD	2.700	A	94	II	ETRCL	A2		07035194	E Q	48°
2G7	9W	FSD	4.000	S	94	II	ETRCL	A2		07035294	E Q	48°
2G7	9W	FSD	2.700	S	94	II	ETRCL	A2		07035394	E Q	48°
GX24q-3	26W	FSQ	4.000	S	94	II	ETRCL	A2		07035494	E Q	75°
GX24q-3	26W	FSQ	2.700	S	94	II	ETRCL	A2		07035594	E Q	75°



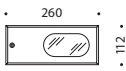
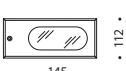
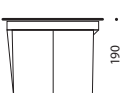
CRICKET 21 Quick S: symmetrical reflector
CRICKET 21 Quick A: asymmetrical reflector
Important note: See recessed enclosure installation instructions for asymmetric distribution aiming.

E Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Q Supplied with a light source that is already installed and the water-stop device.

Quick!

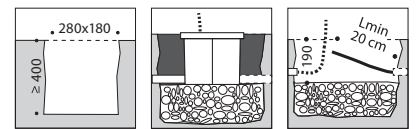
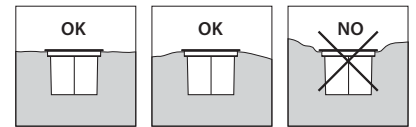
FAST INSTALLATION: See model numbers for fittings supplied complete with lamp.

						IK 09 17J		 max 2,5kg				
CLASS II		94	IP 67						FSD 9W DULUX S/E PL-S	FSQ 26W DULUX D/E PLC-4PIN	HRG 2x20W GU5,3	MT 20W HCL-TC
CRICKET 21/2X20T - 20  260 112 120		CRICKET 21/9-26  112 145  190		 M20x1,5 Ø7-Ø12 H07RN-F 2x2,5  2x2,5mm ²			 Max 30km/h Max 7.500kg		 Max 2000Kg			

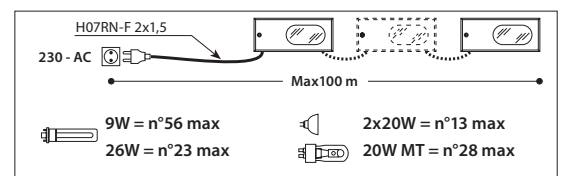
INSTALLATION

CRICKET 21 Quick IP67 recessed in-ground fittings may be subjected to heavy load and impact from pedestrians and motor vehicles during use. For optimum performance and safety it is important that they are correctly installed by a suitable qualified person, in strict accordance with the manufacturer installation instructions. CRICKET 21 Quick are designed to withstand a maximum static load of 2000Kg or a maximum travelling load, by motor vehicles with pneumatic tyres, of 7500Kg gross weight at a maximum speed of 30Km/h.

The fittings must not be located in a hollow or submerged underwater. The fittings should be seated on a gravel sump, of approximately ≥ 25 cm depth from base of fitting, to allow for water drainage. When installing fittings within public access it is advisable to be aware of the glass temperatures indicated (T_{max} °C) and confirm measurements at rated voltage are in accordance with national and local standards. A0157 wire guards accessory (not suitable for vehicles to be driven over). To maintain IP67 integrity, use H07RN-F 2x2,5 mm² Ø10-14 mm cables only.



 CRICKET 21 Quick fittings are suitable for single or through wiring connection using A0323 accessory.



ACCESSORIES

A0321	Tmax °C	A0323	A0235	A0382
	20W = 63° 2x20W = 63°			

Code	Denomination	Description
14051420	A0321 / Halo	Low-emission filter glass reduces external temperature on glass, suitable for dichroic and HID lamps or metal halide.
14051720	A0323	Anti-tearing M20x1.5 cable gland kit for through wiring connection
14018320	A0235	Rubber cable H07RN8-F 2x1.5 mm ² supplied and sold in 1 metre units.
14076720	A0382	1 metre H07RN8-F 2x1,5 mm ² cable supplied complete with fitting.





CRICKET 26 QUICK is a family of circular recessed in-ground fittings, designed to take the load and impact from motor vehicles and pedestrians. Quick versions are supplied complete with lamps factory fitted to speed up and maintain integrity during installation

Available in the following versions:
CRICKET 26 Quick/AL – with aluminium ring painted.
CRICKET 26 Quick/I – with aluminium ring coated in stainless steel AISI 316 and flat glass,

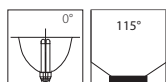
CRICKET 26 Quick features:

- variety of light sources
- reflectors available with narrow beam (C INT), wide beam (C W) and extra wide beam (C EW) distributions.
- vertical adjustable lamp / reflector unit $\pm 10^\circ$ (not for C EW optic)
- horizontal adjustability of the fixture at 360°
- Quick easy adjustable levelling system allows movement of the fitting to ensure a flush finish to ground during installation.

- Technopolymer body and outer recessing enclosure provides high corrosion resistance and stability in variable ambient temperatures.
- Toughened safety clear float glass IK10 (21 Joule).
- Anti-ageing silicone gasket, single piece (no joints), provides high flexibility and recovery to maintain IP67 rating.
- Die-cast aluminium ring, sandblasted and phosphor-chromate pre-treatment, (AL) or with AISI 316 stainless steel surface bonding (I).
- High performance and purity (99.85%) aluminium pre-anodised and polished reflectors.
- Conventional magnetic control gear suitable for 230V / 50Hz supply (other voltages and frequencies available on request). Electronic control gear suitable for 220-240V 50/60Hz supply.
- External screws in stainless steel.

CRICKET 26 Quick/C Extra Wide

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL = ≥ 0.9	Cos ϕ	Code	Notes	T max °C
G24q-2	18W	FSQ	$\bigcirc 2.700$	C EW	96	II	ETRCL	A2	•	07035896	Q	51°
G24q-2	18W	FSQ	$\bigcirc 2.700$	C EW	04	II	ETRCL	A2	•	07035904	Q	51°
G24q-2	18W	FSQ	$\bigcirc 4.000$	C EW	96	II	ETRCL	A2	•	07032396	Q	51°
G24q-2	18W	FSQ	$\bigcirc 4.000$	C EW	04	II	ETRCL	A2	•	07032704	Q	51°
GX24q-3	42W	FSMH	$\bigcirc 2.700$	C EW	96	II	ETRCL	A2	•	07036096	Q	87°
GX24q-3	42W	FSMH	$\bigcirc 2.700$	C EW	04	II	ETRCL	A2	•	07036104	Q	87°
GX24q-3	42W	FSMH	$\bigcirc 4.000$	C EW	96	II	ETRCL	A2	•	07032496	Q	87°
GX24q-3	42W	FSMH	$\bigcirc 4.000$	C EW	04	II	ETRCL	A2	•	07032804	Q	87°

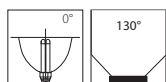


Q Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Q Supplied with a light source that is already installed and the water-stop device.

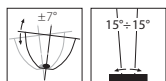
CRICKET 26 Quick/C Extra Wide

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL = ≥ 0.9	Cos ϕ	Code	Notes	T max °C
E27	50W	ST	$\bigcirc 2.000$	C EW	96	II	CRL	•	07032196	Q		80°
E27	50W	ST	$\bigcirc 2.000$	C EW	04	II	CRL	•	07032504	Q		80°
E27	70W	ST	$\bigcirc 2.000$	C EW	96	II	CRL	•	07032296	Q		97°
E27	70W	ST	$\bigcirc 2.000$	C EW	04	II	CRL	•	07032604	Q		97°



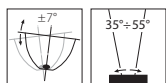
CRICKET 26 Quick/ C INT

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL = ≥ 0.9	Cos ϕ	Code	Notes	T max °C
RX7s	70W	MD	$\bigcirc 3.000$	C INT	96	II	CRL	•	07036296	Q		116°
RX7s	70W	MD	$\bigcirc 3.000$	C INT	04	II	CRL	•	07036304	Q		116°
RX7s	70W	MD	$\bigcirc 4.200$	C INT	96	II	CRL	•	07036496	Q		116°
RX7s	70W	MD	$\bigcirc 4.200$	C INT	04	II	CRL	•	07036504	Q		116°



CRICKET 26 Quick/C Wide

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL = ≥ 0.9	Cos ϕ	Code	Notes	T max °C
RX7s	70W	MD	$\bigcirc 3.000$	C W	96	II	CRL	•	07036696	Q		110°
RX7s	70W	MD	$\bigcirc 3.000$	C W	04	II	CRL	•	07036704	Q		110°
RX7s	70W	MD	$\bigcirc 4.200$	C W	96	II	CRL	•	07036896	Q		110°
RX7s	70W	MD	$\bigcirc 4.200$	C W	04	II	CRL	•	07036904	Q		110°



Q Supplied with a light source that is already installed and the water-stop device.

Version with adjustable lamp position.

Quick!

FAST INSTALLATION: See model numbers for fittings supplied complete with lamp.

							IK 10 21 J				max 7,7kg								
CLASS II			IP 67										FSQ 18W DULUX-D/E PL-C 4pin		FSMH 42W PL-T 4pin DULUX-T/E		ST 50-70W NAV-T Super SON-T Plus		MD Max 70W HCI-TS CDM-TD
											M20 Ø7≠Ø12 H07RN-F 2x2,5 H07RN-F 1x2,5 								



LYN4 is a range of small LED IP68 recessed uplighter fittings designed to take the load and impact from motor vehicles.

Available as "TopLED" upward projected distribution or "SideLED" side radial distribution.

LYN4 are made from high quality materials with precision finishing and attention to design, which makes them suitable for a variety of both indoor and outdoor applications in the most prestigious of projects. Ideal as accent and directional walkway lighting, creating dramatic effects in gardens, parks and public areas. A choice of cover rings are available; Stainless steel (-I), Copper (-Cu), or Aluminium finished (-AL) supplied with white, blue, yellow, red or green LED light sources.

LYN4-T auto extinguishing 960° glow wire test V1-UL 94 versions are available on request.

- Technopolymer ring covered in stainless steel or copper and, as an alternative, painted grey aluminium.
- Toughened transparent safety glass with internal prismatic wide lens.
- Long life silicone gasket.
- Technopolymer recessed outer case and body.
- Every fitting is complete with two IP68 anti-tearing PG9 cable glands + one grommet for single or in series connection installation.
- Stainless steel external screws.
- 3 or 9 leds mounted on electronic panels that must be fed with extra low voltage 24 CC stabilised. 10W and 40W electronic transformers are available as accessories and must be installed in protected areas. The transformers are also available with an IP67 box for recessed installation (A0221/10 - A0221/40).



LYN4 T - 04

LYN4/T - I Stainless steel ring and signalling LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.9 led 24V 1,5W			5.600	C 120°	04	III				06001204	!	35°
n.9 led 24V 1,5W			5.600	C 120°	04	III				06001404	!	35°
n.9 led 24V 1,5W			5.600	C 120°	04	III				06001604	!	35°
n.9 led 24V 1,5W			5.600	C 120°	04	III				06001804	!	35°
n.9 led 24V 1,5W			5.600	C 120°	04	III				06002004	!	35°



! For 24V DC lamp supply.



LYN4 T - 50

LYN4/T - Cu Copper ring and signalling LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.9 led 24V 1,5W			5.600	C 120°	50	III				06003250	!	35°
n.9 led 24V 1,5W			5.600	C 120°	50	III				06003350	!	35°
n.9 led 24V 1,5W			5.600	C 120°	50	III				06003450	!	35°
n.9 led 24V 1,5W			5.600	C 120°	50	III				06003550	!	35°
n.9 led 24V 1,5W			5.600	C 120°	50	III				06003650	!	35°



! For 24V DC lamp supply.



LYN4 T - 96

LYN4/T - AL Aluminium ring and signalling LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.9 led 24V 1,5W			5.600	C 120°	94	III				06001394	!	35°
n.9 led 24V 1,5W			5.600	C 120°	94	III				06001594	!	35°
n.9 led 24V 1,5W			5.600	C 120°	94	III				06001794	!	35°
n.9 led 24V 1,5W			5.600	C 120°	94	III				06001994	!	35°
n.9 led 24V 1,5W			5.600	C 120°	94	III				06002194	!	35°



! For 24V DC lamp supply.

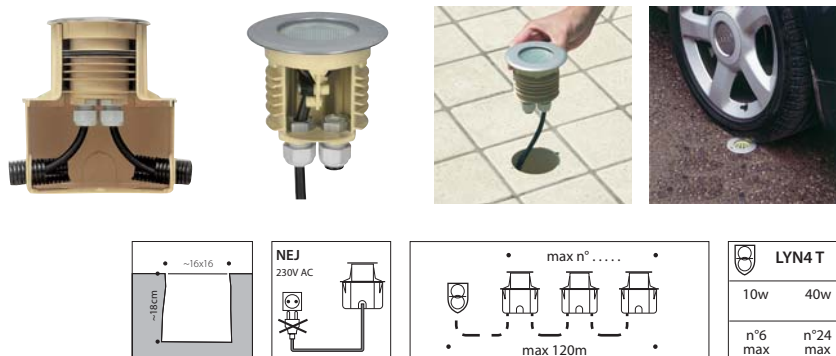


						IK 07 2J			max 0,5kg						
CLASS III		04 50	94	IP 68		0,5 m									Led Max 1,5W

LYN4 T 			LYN4 T PG9 Ø4÷Ø8 H05RN-F 2x1 2x1mm ²	LYN4 T/HP INT PG9 Ø4÷Ø8 H05RN-F 2x1 3x1,5mm ²	LYN4 T/RGB PG9 Ø4÷Ø8 S05RN-F 3x1 6x1,5mm ²	 Max 30km/h Max 6.000Kg (I/Cu) Max 7.500Kg (AL)	LYN4 T-I/Cu Max 1000Kg	LYN4 T-AL Max 2000Kg
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INSTALLATION

LYN4 fittings withstand impact from motor vehicles. Models LYN4 T/I and LYN4 T/Cu withstand a max. static load of 1000 Kg. and impact from motor vehicles fitted with pneumatic tyres with a max 6000kgs gross weight and travelling at a speed of max. 30km/h. Models LYN4 T/AL withstand a max. static load of 2000 Kg and impact from motor vehicles fitted with pneumatic tyres with a max 7500kg gross weight and travelling at a speed of max. 30km/h. For optimum performance and safety, it is important that they are correctly installed by qualified personnel only and in strict accordance with manufacturer installation instructions, in particular by using only H05RN-F 2x1mm² cable available to order as an accessory (A0222).



ACCESSORIES



Code	Denomination	Description
14015420	A0220/10W	10W Electronic transformer 95-240V 50/60Hz AC/24V CC, mounted on galvanised steel tray.
14015520	A0220/40W	40W Electronic transformer 115-240V 50/60Hz AC/24V CC, mounted on galvanised steel tray.
14015620	A0221/10W	Black technopolymer box IP67 with stainless steel cover and 10W electronic transformer 95-240V 50/60Hz AC/24V CC. Cable glands PG 13,5 for Ø6-10mm cable and for Ø25mm sheath.
14015720	A0221/40W	Black technopolymer box IP67 with stainless steel cover and 40W electronic transformer 115-240V 50/60Hz AC/24V CC. Cable glands PG 13,5 for Ø6-10mm cable and for Ø25mm sheath.
14015820	A0222	Cable H05RN-F 2x1 mm ² to be ordered in metres.



LYN4 T/HP (High Power) fittings complete with 1x3.2W high powered narrow beam LED are available in the following two versions:

- LYN4 T/HP same construction as LYN4T but complete with 3.2W narrow beam 6° LED adjustable $\pm 10^\circ \times 360^\circ$, available as white or blue LED.
- LYN4 T/HP-INT as above but complete with a lens to provide shafts of vertical light on wall / surface.

- Cover rings available in technopolymer with AISI 316 stainless steel or copper bonded surface, and die cast aluminium finished silver grey.
- Toughened clear safety glass.
- Long life silicone gasket.
- Technopolymer body and outer recessing enclosure.
- Two IP68 anti-tearing PG9 cable glands and one stopping plug for single or through wiring connection.
- Stainless steel external fixing screws.

LED unit complete with single LED requires appropriate supply and control accessories.



LYN4/T - HP High Power LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
n.1 led 700mA	3,2W	○ 6.000	C 6°	04	III					06011004	!	35°
n.1 led 700mA	3,2W	○ 6.000	C 6°	50	III					06011250	!	35°
n.1 led 700mA	3,2W	○ 6.000	C 6°	94	III					06011494	!	35°
n.1 led 700mA	3,2W	●	C 6°	04	III					06011104	!	35°
n.1 led 700mA	3,2W	●	C 6°	50	III					06011350	!	35°
n.1 led 700mA	3,2W	●	C 6°	94	III					06011594	!	35°



! LYN4 T/HP must be fed with extra low voltage 700mA. A0376/15 electronic 15W transformer 220-240V, 50/60Hz is available as an accessory and must be installed in an appropriate enclosed location, or alternatively ordered as accessory A0377/15 IP67 recessed gear box.



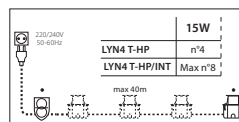
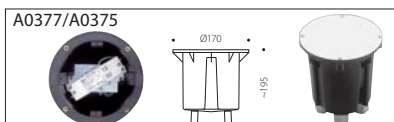
LYN4/T - HP/INT High Power LED + narrow lens

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
n.1 led 350mA	1,4W	○ 6.000	INT	04	III					06012304	!	35°
n.1 led 350mA	1,4W	○ 6.000	INT	50	III					06012550	!	35°
n.1 led 350mA	1,4W	○ 6.000	INT	94	III					06012794	!	35°
n.1 led 350mA	1,4W	●	INT	04	III					06012404	!	35°
n.1 led 350mA	1,4W	●	INT	50	III					06012650	!	35°
n.1 led 350mA	1,4W	●	INT	94	III					06012894	!	35°



! LYN4 T/HP INT complete with narrow beam lens and high powered 1 x 1.4W LED adjustable $\pm 3^\circ \times 360^\circ$. Must be fed with an extra low voltage 350mA. Electronic transformers are available as accessories: 15W (A0376/15) 220-240V, 50/60Hz for installation in a suitably enclosed location. Alternatively transformers are available supplied within an IP67 recessed box (A0377/15).

ACCESSORIES



Code	Denomination	Description
14071520	A0374/15W 350mA	15W Electronic transformer, 220-240V 50/60Hz 350 mA CC - max 48V output - mounted on galvanised steel tray.
14071720	A0376/15W 700mA	Electronic 15W transformer; 220-240V 50/60Hz AC output 24V DC with constant 700mA current, mounted on a galvanised steel support.
14071620	A0375/15W 350mA	15W Electronic transformer, 220-240V 50/60Hz 350 mA CC - max 48V or 700 mA CC - max 24V output - mounted into IP67 black technopolymer recessed box with stainless steel cover.
14071820	A0377/15W 700mA	Electronic 15W transformer; 220-240V 50/60Hz AC output 24V DC with constant 700mA current, mounted on a galvanised steel support.
14015820	A0222	Cable H05RN-F 2x1mm ² to be ordered in metres.

LYN4 T / RGB version complete with colour changing device.
LYN4-T/RGB same construction as LYN4T but available with multi-chip LED RGB colour changing device accessory, providing three colour changing programs: rainbow (70 sec. cycle), cold colours (50 sec. cycle) and warm colour (50 sec. cycle). Single colour fixed is also possible.

- Cover rings available in technopolymer with AISI 316 stainless steel or copper bonded surface, and die cast aluminium finished aluminium silver grey.
- Toughened clear safety glass.
- Long life silicone gasket.
- Technopolymer body and outer recessing enclosure
- Two IP68 anti-tearing PG9 cable glands and one stopping plug for single or through wiring connection.
- Stainless steel external fixing screws.
- LED unit complete with multichip 3x1.2W LED requires appropriate supply and control unit for operation.
- A0378 MASTER colour changing unit accessory to be ordered as a separate item along with fitting.
- A0380 accessory cable for connection between MASTER unit and fitting.

LYN4 HP RGB

design Silvia Paola Pennacchio



LYN4/T - 94



LYN4/T - 04

LYN4/T - 50

LYN4/T - HP - RGB Colour changing multi-LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
n.1 led RGB 350mA	3,6W			C 45°	04	III				06011604	!	35°
n.1 led RGB 350mA	3,6W			C 45°	50	III				06011750	!	35°
n.1 led RGB 350mA	3,6W			C 45°	94	III				06011894	!	35°



! For 350mA x RGB lamp supply.

LYN4 T/RGB (see operating schematic).

A0378 MASTER unit supplies up to a maximum of 10 fittings with a maximum of 5 being controllable. The unit should be installed in an appropriate enclosed location.

- To allow control of more than 5 fittings A0379 SLAVE colour changing accessory unit is required to operate up to a further maximum of 5 fittings. SLAVE units are controlled via the MASTER unit.

- A0220/40 Electronic 40W transformer, for supply up to max 10 fittings.

Operating up to a max 5 fittings order:

- One MASTER unit A0378

Operating 6 to 10 fittings order:

- One MASTER unit A0378

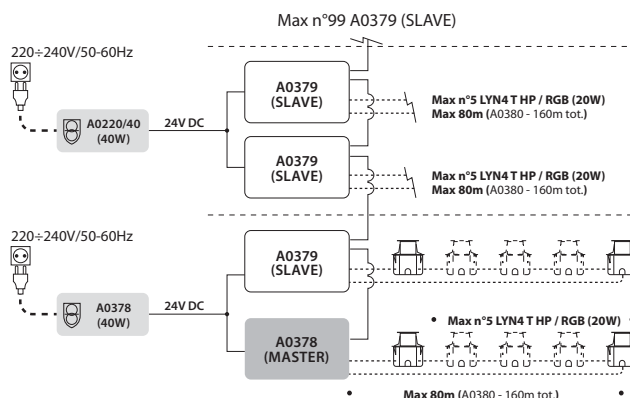
- One SLAVE unit A0379

Operating 11 to max 500 fittings order:

- One MASTER unit A0378

- Qty. SLAVE units A0379 = One per 5 fittings, starting from fitting 5+ (rounding up to next 5 fittings)

- Qty. Transformers A0220/40 = One per 10 fittings (rounding up to next 10 fittings).



ACCESSORIES



Code	Denomination	Description
14015520	A0220/40W	40W Electronic transformer 115-240V 50/60Hz AC/24V CC, mounted on galvanised steel tray.
14071920	A0378	Supply and control unit for LYN4 T/RGB including 40W transformer. 220-240V 50/60Hz AC, 24V DC (max. 10 fittings). MASTER colour changing unit (max. 5 fittings).
14072020	A0379	LYN4 T/RGB additional (SLAVE) colour changing unit (max. 5 fittings). SLAVE units are controlled by MASTER unit.
14072220	A0381	Infrared remote control for colour changing MASTER unit.
14072120	A0380	S05RN-F 3x1 mm² x RGB cable sold and supplied in 1 metre units.



LYN4 are small IP68 motor vehicle impact resistant Led uplighter fittings for ground installation. LYN4 SideLED is the 120° and 360° radial ground level output version. Essential design and corrosion resistance make them suitable for indoor or outdoor prestigious applications for signalling or decorating and for creating dramatic effects on walkways and underpasses, halls, etc. 120° (no. 3 Leds) and 360° (no. 9 Leds) beam versions are available in blue, white, red and yellow Led source colours. On request all models Lyn4-T are available in V1-UL 94 auto-extinguishing version, 960° glow wire test resistant.

- Painted grey aluminium outer cap (motor vehicle impact resistant).
- Polycarbonate transparent diffuser stabilised UV.
- Long life silicone gasket.
- Technopolymer recessed outer case and body.
- Every fitting is complete with two IP68 anti-tearing PG9 cable glands + one grommet for single or in series connection installation.
- Stainless steel external screws.
- 3 or 9 leds mounted on electronic panels that must be fed with extra low voltage 24 CC stabilised. 10W and 40W electronic transformers are available as accessories and must be installed in protected areas. The transformers are also available with an IP67 box for recessed installation (A0221/10 – A0221/40).



LYN4 S - 120° - AL

Aluminium cap and signalling LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.3 led 24V 0,5W			○ 5.600	RAD 120°	94	III				06002394	!	35°
n.3 led 24V 0,5W			●	RAD 120°	94	III				06002594	!	35°
n.3 led 24V 0,5W			●	RAD 120°	94	III				06002794	!	35°



! For 24V DC lamp supply.



LYN4 S - 360° - AL

Aluminium cap and signalling LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.9 led 24V 1,5W			○ 5.600	RAD 360°	94	III				06002294	!	35°
n.9 led 24V 1,5W			●	RAD 360°	94	III				06002494	!	35°
n.9 led 24V 1,5W			●	RAD 360°	94	III				06002694	!	35°



! For 24V DC lamp supply.



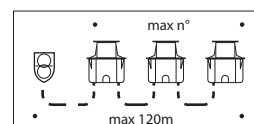
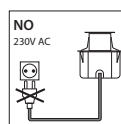
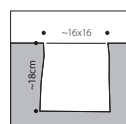
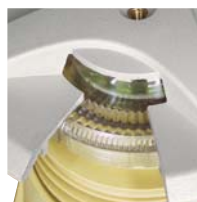
						IK 09 12J			max 0,5kg						
CLASS III		94		IP 68											Led Max 1,5W
LYN4 S-120°/S-360°-AL • Ø108 • 				 PG9 Ø4+Ø8 H05RN-F 2x1mm ² 2x1mm ²						 Max 30Km/h Max 7.500Kg	 Max 2500Kg				

INSTALLATION

LYN4/S are motor vehicle impact resistant fittings which withstand a max static load of 2500 Kg and impact from motor vehicles fitted with pneumatic tyres with a max 7500 Kg gross weight and travelling at a speed of max 30 Km/h.

For optimum performance and safety, it is important that they are correctly installed by qualified personnel only and in strict accordance with manufacturer installation instructions, in particular by using only H05RN-F 2x1 mm² cable available to order as an accessory (A0222).

LYN4/S models withstand a maximum static load of 2500Kg and a maximum travelling load, by motor vehicles with pneumatic tyres, of 7500Kg gross weight at a maximum speed of 30Km/h.

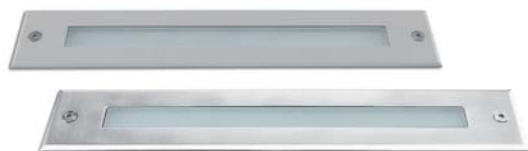


	10w	40w
LYN4 S360	6 max	24 max
LYN4 S120	18 max	60 max

ACCESSORIES

A0220/10	A0220/40	A0221/10	A0221/40	A0222

Code	Denomination	Description
14015420	A0220/10W	10W Electronic transformer 95-240V 50/60Hz AC/24V CC, mounted on galvanised steel tray.
14015520	A0220/40W	40W Electronic transformer 115-240V 50/60Hz AC/24V CC, mounted on galvanised steel tray.
14015620	A0221/10W	Black technopolymer box IP67 with stainless steel cover and 10W electronic transformer 95-240V 50/60Hz AC/24V CC. Cable glands PG 13,5 for Ø6-10mm cable and for Ø25mm sheath.
14015720	A0221/40W	Black technopolymer box IP67 with stainless steel cover and 40W electronic transformer 115-240V 50/60Hz AC/24V CC. Cable glands PG 13,5 for Ø6-10mm cable and for Ø25mm sheath.
14015820	A0222	Cable H05RN-F 2x1 mm ² to be ordered in metres.



LYN23 is a range of small LED recessed IP67 rectangular fittings designed to take the load and impact from motor vehicles. LYN23 fittings can be recessed in ground, walls or ceilings providing directional and accent lighting creating dramatic effects in public spaces, walkways, underpasses and steps etc. The simple geometry and contemporary shape combined with high quality corrosion resistant materials make LYN23 suitable for a variety of both indoor and outdoor applications in the most prestigious of projects.

LYN23 are available in two versions:

- LYN23 with 9 LED standard signalling (total 1.5W),
- LYN23 HP with 3 high power LED's (3x1,4W).

Both versions are available in the following finishes: LYN23/AL silver-grey aluminium frame.

LYN23/Inox aluminium frame with AISI 316 stainless steel coated.

- LYN 23/AL aluminium frame finished polyester painted silver-grey or LYN 23/I aluminium frame finished AISI 316.
- Toughened safety glass, sanded for a "soft".
- Technopolymer body and outer recessing enclosure.
- Silicone rubber anti-ageing gaskets.
- Stainless steel external fixings.
- All fittings are supplied complete with two IP68 PG9 anti-tearing cable glands and one stopping plug for single or through wiring connection.
- LYN23 fittings are supplied complete with 9 panel mounted LED's which must be fed with extra low voltage 24V CC stabilized supply.
- LYN23 HP fittings are supplied complete with 3 high power LED's which must be fed with 350mA extra low voltage 24V CC stabilized supply.



LYN23 AL-I Signalling LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.9 led 24V	1,5W	○ 5.600	C 120°	94	III					06006094	!¹	35°
n.9 led 24V	1,5W	●	C 120°	94	III					06006194	!¹	35°
n.9 led 24V	1,5W	●	C 120°	94	III					06006294	!¹	35°
n.9 led 24V	1,5W	●	C 120°	94	III					06006394	!¹	35°
n.9 led 24V	1,5W	●	C 120°	94	III					06006494	!¹	35°
n.9 led 24V	1,5W	○ 5.600	C 120°	04	III					06006504	!¹	35°
n.9 led 24V	1,5W	●	C 120°	04	III					06006604	!¹	35°
n.9 led 24V	1,5W	●	C 120°	04	III					06006704	!¹	35°
n.9 led 24V	1,5W	●	C 120°	04	III					06006804	!¹	35°
n.9 led 24V	1,5W	●	C 120°	04	III					06006904	!¹	35°

!¹ For 24V CC lamp supply.

10W and 40W transformers are available as accessories (A0220/10 and A0220/40) which should be installed in an appropriate enclosed location, or alternatively ordered as recessed IP67 box accessories (A0221/10 and A0221/40).



LYN23 - HP High Power LED

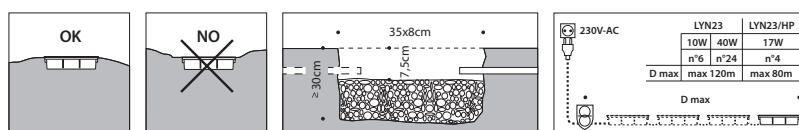
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.3 led 350mA 4,2W		○ 6.000	C 120°	94	III					06012194	!²	35°
n.3 led 350mA 4,2W		●	C 120°	94	III					06012294	!²	35°
n.3 led 350mA 4,2W		○ 6.000	C 120°	04	III					06011904	!²	35°
n.3 led 350mA 4,2W		●	C 120°	04	III					06012004	!²	35°

!² For 48V CC lamp supply.

15W transformers are available as accessory (A0374) which should be installed in an appropriate enclosed location, or alternatively ordered as a recessed IP67 box accessory (A0375).



LYN fittings are suitable for indoor or outdoor applications and are designed to withstand impact from pedestrians or motor vehicles with a maximum static load of 2500Kg or a maximum travelling load, by motor vehicles with pneumatic tyres, of 12000Kg gross weight at a maximum speed of 30Km/h. To guarantee the IP67 rating we recommended the use of H05RN-F 2x1 mm² max. Ø 8mm cable only, allow for good drainage and do not install the fitting in a hollow position. H05RN-F 2x1 mm² cable is available to order as an accessory (14015820 –A0222).



A0220/10 	A0220/40 	A0374/15W 	A0221/10 	A0221/40 	A0375/15W 	A0222
			A0221-A0375 			

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WIN are a range of compact floodlights with a distinctive clean linear design suitable for indoor and outdoor use. With their compact and shallow design the fittings are ideal for positioning in discreet locations such as lofts, eaves and terraces etc. A wide range of reflector options, light sources and accessories makes WIN a flexible luminaire suitable for general area floodlighting to architectural facades and feature lighting.

WIN is available in two sizes:

WIN 01 (max 150W) and WIN 02 (max 400W).

- Die cast aluminium body painted aluminium grey.
- Symmetrical, asymmetrical or circular reflectors in high purity aluminium anodised and polished.
- Toughened "safety" glass cover mounted in a technopolymer frame which hinges down for maintenance.
- Silicone rubber anti-ageing gasket.
- Mounting bracket in steel finished polyester painted aluminium.
- PG11 anti-tearing cable gland for H05RN-F 3G1 Ø5-10mm cables.
- Stainless steel external screws.



WIN 01/S Symmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD		S	94	I	CR		•	05144894	
RX7s	150W	SD-MD		S	94	I	CR		•	05144994	
RX7s	70W	MD	4200		94	I	CRL		•	07017294	☺
RX7s	150W	MD	4200		94	I	CRL		•	07017394	☺

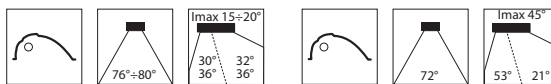


☺ Fittings supplied complete with lamp.



WIN 01/A Asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD		A	94	I	CR		•	05126394	
RX7s	150W	SD-MD		A	94	I	CR		•	05126494	
RX7s	70W	SD-MD		A45°	94	I	CR		•	05226094	
RX7s	150W	SD-MD		A45°	94	I	CR		•	05226194	
RX7s	70W	MD	4200	A	94	I	CRL		•	07014594	☺
RX7s	150W	MD	4200	A	94	I	CRL		•	07014694	☺

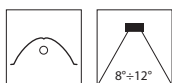


☺ Fittings supplied complete with lamp.



WIN 01/C Circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD		C	94	I	CR		•	05126594	
RX7s	150W	SD-MD		C	94	I	CR		•	05126694	
RX7s	70W	MD	4200	C	94	I	CRL		•	07014794	☺
RX7s	150W	MD	4200	C	94	I	CRL		•	07014894	☺

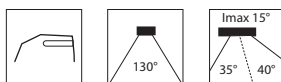


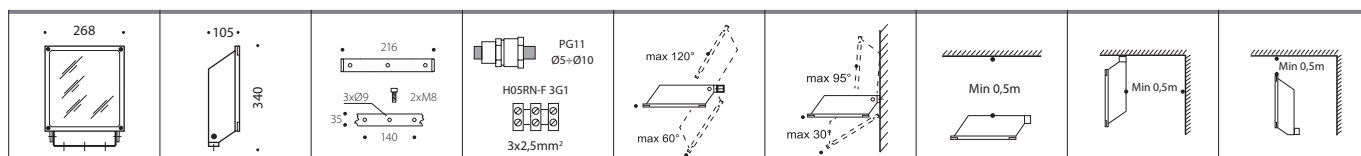
☺ Fittings supplied complete with lamp.



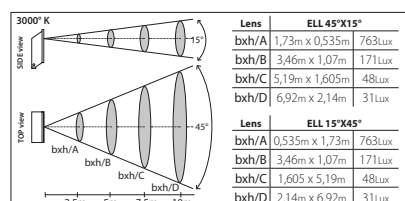
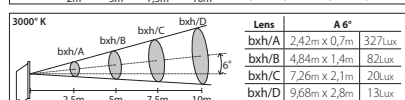
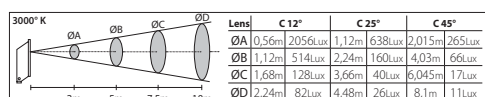
WIN 01/WR Roadway reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	70W	MT		WR	94	I	CR		•	05246794	
G12	150W	MT		WR	94	I	CR		•	05246894	





Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
n.36 led 350mA	39,6W		Ø 6000	C 12°	94	I	ETRC		•	06018594	
n.36 led 350mA	39,6W		Ø 6000	C 25°	94	I	ETRC		•	06018894	
n.36 led 350mA	39,6W		Ø 6000	C 45°	94	I	ETRC		•	06019194	
n.36 led 350mA	39,6W		Ø 6000	ELL 45°x15°	94	I	ETRC		•	06019494	
n.36 led 350mA	39,6W		Ø 6000	ELL 15°x45°	94	I	ETRC		•	06022994	
n.36 led 350mA	39,6W		Ø 6000	A 6°	94	I	ETRC		•	06019794	



Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
n.36 led 350mA	39,6W		○ 3000	C 12°	94	I	ETRC		•	06018694	
n.36 led 350mA	39,6W		○ 3000	C 25°	94	I	ETRC		•	06018994	
n.36 led 350mA	39,6W		○ 3000	C 45°	94	I	ETRC		•	06019294	
n.36 led 350mA	39,6W		○ 3000	ELL 45°x15°	94	I	ETRC		•	06019594	
n.36 led 350mA	39,6W		○ 3000	ELL 15°x45°	94	I	ETRC		•	06023094	
n.36 led 350mA	39,6W		○ 3000	A 6°	94	I	ETRC		•	06019894	

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n.36 led 350mA	39,6W		●	C 12°	94	I	ETRC		•	06018794	
n.36 led 350mA	39,6W		●	C 25°	94	I	ETRC		•	06019094	
n.36 led 350mA	39,6W		●	C 45°	94	I	ETRC		•	06019394	
n.36 led 350mA	39,6W		●	ELL 45°x15°	94	I	ETRC		•	06019694	
n.36 led 350mA	39,6W		●	ELL 15°x45°	94	I	ETRC		•	06023194	
n.36 led 350mA	39,6W		●	A 6°	94	I	ETRC		•	06019994	

A0286	A0285	A0283-A0284	A0305-A0306	A0287/500	A0259/1 A0259/2	A0308-A0325



WIN are a range of compact floodlights with a distinctive clean linear design suitable for indoor and outdoor use. With their compact and shallow design the fittings are ideal for positioning in discreet locations such as lofts, eaves and terraces etc. A wide range of reflector options, light sources and accessories makes WIN a flexible luminaire suitable for general area floodlighting to architectural façades and feature lighting.

WIN is available in two sizes:

WIN01 (max 150W) and WIN02 (max 400W).

- Die cast aluminium body painted aluminium grey.
- Symmetrical, asymmetrical or circular reflectors in high purity aluminium anodised and polished.
- Toughened "safety" glass cover mounted in a technopolymer frame which hinges down for maintenance.
- Silicone rubber anti-ageing gasket.
- Mounting bracket in steel finished polyester painted aluminium grey.
- M20x1.5 anti-tearing cable gland for H05RN-F 3G1.5 mm² Ø10-14mm cables.
- Stainless steel external screws.



WIN 02/S Symmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT		S	94	I	CR		•	05143494	
E40	250W	ST-MT		S	94	I	CR		•	05143594	
E40	400W	ST-MT		S	94	I	CR		•	05143694	
E40	250W	MT*		S	94	I	CR		•	05143794	*for lampe HPI-T
E40	400W	MT*		S	94	I	CR		•	05143894	*for lampe HPI-T
E40	250W	ST	2000	S	94	I	CRL		•	07017894	☺
E40	400W	ST	2000	S	94	I	CRL		•	07017994	☺
E40	250W	MT*	4500	S	94	I	CRL		•	07018094	☺ *for lampe HPI-T
E40	400W	MT*	4500	S	94	I	CRL		•	07018194	☺ *for lampe HPI-T



☺ Fittings supplied complete with lamp.



WIN 02/A Asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT		A	94	I	CR		•	05144094	
E40	250W	ST-MT		A	94	I	CR		•	05144194	
E40	400W	ST-MT		A	94	I	CR		•	05144294	
E40	250W	MT*		A	94	I	CR		•	05144394	*for lampe HPI-T
E40	400W	MT*		A	94	I	CR		•	05144494	*for lampe HPI-T
E40	250W	ST	2000	A	94	I	CRL		•	07018294	☺
E40	400W	ST	2000	A	94	I	CRL		•	07018394	☺
E40	250W	MT*	4500	A	94	I	CRL		•	07018494	☺ *for lampe HPI-T
E40	400W	MT*	4500	A	94	I	CRL		•	07018594	☺ *for lampe HPI-T

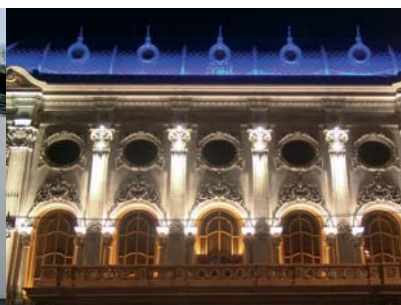


☺ Fittings supplied complete with lamp.



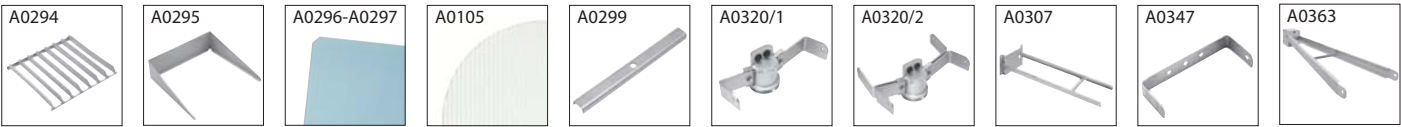
WIN 02/C Circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
Fc2	250W	MD		C	94	I	CR		•	05144694	



				IK 08 6J				max 13,2kg				
CLASS I		94	IP 66						MT Max 400W HPI-T Plus	ST Max 400W NAV-T /SON-T	MT Max 400W CDO-TT HQI-T/D HQI-BT/D	MD Max 250W HQI-TS MH-TD

ACCESSORIES



Code	Denomination	Colour	Description
14045694	A0294	94	External anti-glare louvre painted aluminium grey.
14045794	A0295	94	External steel cowl painted aluminium grey.
14045820	A0296		WIN 02 frosted glass optional replacement for standard clear glass.
14045920	A0297		WIN 02 frosted glass supplement to be ordered together with the fitting for factory fitted option.
14396993	A0105		WIN 02/C prismatic glass for use with WIN 02/C fittings only.
14046120	A0299		WIN 02 strengthening bracket. Suitable for one floodlight single point fixing M12 screw in centre of the bracket.
14051294	A0320/1	94	Single pole top mounting, for Ø60-76mm poles, painted aluminium grey
14051394	A0320/2	94	Double pole top mounting, Ø60-76mm poles, painted aluminium grey
14048694	A0307	94	1000mm extension arm in heavy gauge steel, painted aluminium grey.
14057394	A0347	94	Long bracket for ceiling mounting, painted aluminium grey.
14068694	A0363/1	94	Aluminium pole top and steel outreach arm. Painted aluminium grey.
14068794	A0363/2-90°	94	Twin WIN 02 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 90°. Painted aluminium grey.
14068894	A0363/2-180°	94	Twin WIN 02 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 180°. Painted aluminium grey.
14068994	A0363/3-90°	94	Three WIN 02 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 90°. Painted aluminium grey.
14069094	A0363/3-120°	94	Three WIN 02 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 120°. Painted aluminium grey.
14069194	A0363/4	94	Four WIN 02 aluminium pole top fitting and steel outreach arm for Ø76mm poles. Painted aluminium grey.





5STARS 1 are compact high performance floodlights with a contemporary design suitable for outdoor and indoor use. A highly functional product with a comprehensive range of reflectors, light sources and accessories makes them ideal for a range of applications from harsh industrial environments to architectural feature and contemporary urban lighting. The 5Stars range is available in two sizes: 5STARS 1 (max 150W) and 5STARS 2 (max 400W). Ceiling recessed versions are also available.

- Die cast aluminium body painted aluminium grey.
- Reflector optics available; asymmetrical (various degrees), circular symmetrical, circular asymmetrical and street lighting reflector. High purity aluminium anodised and polished.
- 5mm toughened "safety" glass cover mounted in a technopolymer frame which hinges down for maintenance.
- Silicone rubber anti-ageing gasket.
- Mounting bracket in steel finished polyester painted aluminium grey.
- M16X1.5 anti-tearing cable gland for H05RN-F 3G1 5-10mm dia. cables.
- Stainless steel external screws.



5STARS 1/A20 - /A45 Asymmetrical reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
E27	70W	ME		A20	94	I	CR			• 05077694		•
E27	70W	ST		A20	94	I	CR			• 05077594		•
E27	70W	SE/I		A20	94	I	CR			• 05077494		•
E27	100W	ME		A20	94	I	CR			• 05077794		•
E27	150W	ME		A20	94	I	CR			• 05077894		•
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		A20	94	I	ETRC	A2		• 05077994		•
GX24q-5	57W	FSMH		A20	94	I	ETRC	A2		• 05085694		•
RX7s	70W	SD-MD		A45	94	I	CR			• 05077294		•
RX7s	150W	SD-MD		A45	94	I	CR			• 05077394		•



- Complete with electronic ballast non dimmable 220÷240V 50/60Hz.
- For lamps SON-T Plus we recommend using frosted glass (A0281)
- For lamps with integral ignitor.



5STARS 1/C -/A23 -/A45 Circular reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
G12	70W	MT		C	94	I	CR			• 05078094		•
G12	150W	MT		C	94	I	CR			• 05078194		•
G12	70W	MT		C A23	94	I	CR			• 05085994		•
G12	150W	MT		C A23	94	I	CR			• 05086094		•
G12	70W	MT		C A45	94	I	CR			• 05086194		•
G12	150W	MT		C A45	94	I	CR			• 05086294		•



				IK 08 7J										
CLASS I		94	IP 66			SE/I 70W NAV-E SON-Δ	ME 70W HQI-E CDO-ET	ME 100-150W HQI-E	ST 70W NAV-T SON-T	MD 70-150W HQI-TS/HCI-TS MH-TD/CDM-TD	SD 70-150W NAV-TS	MT 70-150W HQI-T / HCI-T CDM-T	FSMH 32-42-57W DULUX-TE PLT-4P	FSQ 26W DULUX-D-E PLC-4P



5STARS 1/WR Roadway reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
E27	70W	ME		WR	94	I	CR			• 05101894		•
E27	70W	ST		WR	94	I	CR			• 05101794		•
E27	70W	SE/I		WR	94	I	CR			• 05101694		•
E27	100W	ME		WR	94	I	CR			• 05101994		•
E27	150W	ME		WR	94	I	CR			• 05102094		•
GX24q-3/4 26 - 32 - 42W		FSQ/FSMH		WR	94	I	ETRC	A2		• 05102194		•
GX24q-5	57W	FSMH		WR	94	I	ETRC	A2		• 05102294		•



- Complete with electronic ballast non dimmable 220÷240V 50/60Hz.
- For lamps SON-T Plus we recommend using frosted glass (A0281)
- For lamps with integral ignitor.

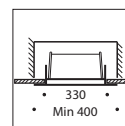
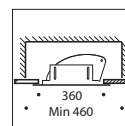
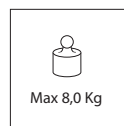
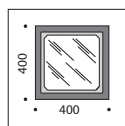
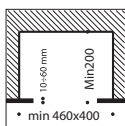
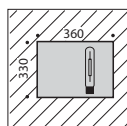




Recessed version

5STARS1 fittings up to 150W HID max. are available (excluding 100W/150W E27 and C-A-45 150W), on request, as **Recessed** versions. Suitable for use in false ceiling applications; petrol station canopies, indoor sports halls etc.

- Steel recessing frame painted aluminium grey.
- Galvanised sheet steel fixing and suspension angles
- Stainless steel external screws.



5STARS 1/Recessed

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ	Code	Notes	
RX7s	70W	SD-MD		A45	94	I	CR		≥ 0,9	• 05087794		•
RX7s	150W	SD-MD		A45	94	I	CR		≥ 0,9	• 05087894		•
G12	70W	MT		C	94	I	CR		≥ 0,9	• 05133194		•
E27	70W	ME		WR	94	I	CR		≥ 0,9	• 05129594		•



ACCESSORIES



Code	Denomination	Colour	Description
14016820	A0228		Ø3mm galvanised steel wire guard. (18 Joule).
14016994	A0229	94	External steel anti-glare louvre painted aluminium grey.
14017094	A0230	94	External steel cowl painted aluminium grey.
14017120	A0231		Aluminium internal circular baffle (for 5STARS 1/C only).
14017320	A0233		Frosted glass optional replacement for standard clear glass.
14042520	A0281		Frosted glass supplement to be ordered together with the fitting for factory fitted option.
14017220	A0232		Prismatic glass with stainless steel retaining springs suitable for 5STARS 1/C - 1/CA fittings only.
14021420	A0244		Self-extinguishing 850°C glow wire test technopolymer V0-UL94 frame finished RAL 7035 grey.
14020894	A0240	94	Long bracket for ceiling mounting, painted aluminium grey.
14047904	A0303		5STARS 1 bracket in stainless steel to avoid rust spots on the installation surface.
14048004	A0304		5STARS 1 stainless steel mounting bracket.
14029094	A0259/1	94	Supplement for 5Stars 1 stainless steel mounting bracket to be ordered together with the fitting for factory fitted option.
14047194	A0259/2	94	Die cast aluminium sliding pole clamp painted aluminium grey suitable for single 5Stars fitting on Ø60-76mm poles.
14028894	A0258/1	94	5STARS1 single pole top bracket for Ø60-76mm poles.
14028994	A0258/2	94	5STARS1 twin (diametrically opposite) pole top bracket for Ø60-76mm poles.
14020994	A0241	94	600mm wall mounting extension arm in steel painted aluminium grey.
14021194	A0243/1	94	Single 5STARS1 aluminium pole top fitting and steel outreach arm for Ø60-76mm poles. Aluminium pole top and steel outreach arm, painted aluminium grey.
14063894	A0243/2-90°	94	Twin 5STARS1 aluminium pole top fitting and steel outreach arm for Ø60-76mm poles, installed at 90°. Painted aluminium grey.
14021294	A0243/2-180°	94	Twin 5STARS1 aluminium pole top fitting and steel outreach arm for Ø60-76mm poles, installed at 180°. Painted aluminium grey.
14063994	A0243/3-90°	94	Three 5STARS1 aluminium pole top fitting and steel outreach arm for Ø60-76mm poles, installed at 90°. Painted aluminium grey.
14050194	A0324/3-120°	94	Three 5STARS1 aluminium pole top fitting and steel outreach arm for Ø60-76mm poles, installed at 120°. Painted aluminium grey.
14021394	A0243/4	94	Four 5STARS1 aluminium pole top fitting and steel outreach arm for Ø60-76mm poles, installed at 90°. Painted aluminium grey.



5STARS 2 are compact high performance floodlights with a contemporary design suitable for outdoor and indoor use. A highly functional product with a comprehensive range of reflectors, light sources and accessories makes them ideal for a range of applications from harsh industrial environments to architectural feature and contemporary urban lighting. The 5Stars range is available in two sizes: 5STARS 1 (max 150W) and 5STARS 2 (max 400W). Ceiling recessed versions are also available.

- Die cast aluminium body painted aluminium grey.
- Reflector optics available; symmetrical, asymmetrical (Imax 45° and 55°), circular and street lighting reflector. High purity aluminium anodised and polished.
- Galvanised sheet steel gear tray provides, provides heat dissipation for component longevity.
- 5mm Toughened "safety" glass cover mounted in a technopolymer frame which hinges down for maintenance.
- Silicone rubber anti-ageing gasket.
- Cover fixing clips in anodized aluminium with AISI 302 stainless steel spring.
- Mounting bracket in steel painted aluminium grey, with graduated goniometer positioning device.
- M20X1.5 anti-tearing cable gland for H07RN-F 3G2.5 10-14mm dia. cables.
- Stainless steel external screws.



5STARS 2/S Symmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes	
E40	250W	MT*	S	94	I	CR				• 05069694	*for lamp HPI-T Plus	•
E40	250W	ST-MT	S	94	I	CR				• 05069794		•
E40	400W	MT*	S	94	I	CR				• 05069894	*for lamp HPI-T Plus	•
E40	400W	ST-MT	S	94	I	CR				• 05069994		•



5STARS 2/A45 - /A55 Asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes	
E40	250W	MT*	A45	94	I	CR				• 05070094	*for lamp HPI-T Plus	•
E40	250W	ST-MT	A45	94	I	CR				• 05070194		•
E40	400W	MT*	A45	94	I	CR				• 05070294	*for lamp HPI-T Plus	•
E40	400W	ST-MT	A45	94	I	CR				• 05070394		•
E40	250W	MT*	A55	94	I	CR				• 05070994	*for lamp HPI-T Plus	•
E40	250W	ST-MT	A55	94	I	CR				• 05071094		•
E40	400W	MT*	A55	94	I	CR				• 05071194	*for lamp HPI-T Plus	•
E40	400W	ST-MT	A55	94	I	CR				• 05071294		•



5STARS 2/S - /A45 Symmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes	
Fc2	250W	SD	S	94	I	CR				• 05189694		•
Fc2	250W	MD	S	94	I	CR				• 05189794		•
Fc2	400W	SD-MD	S	94	I	CR				• 05189894		•
Fc2	250W	SD	A45	94	I	CR				• 05189994		•
Fc2	250W	MD	A45	94	I	CR				• 05190094		•
Fc2	400W	SD-MD	A45	94	I	CR				• 05190194		•



					IK 08 5J			 max 18kg		 Depending on the Models			
CLASS I		94	IP 66		SSSTARS 2 HR (HOT RESTRIKE)	IP 65		MT* 250÷400W HPI-T Plus	ST Max400W HQI-T/D NAV-T SON-T	MT Max400W HQI-T/D HQI-BT/D	SD 250-400W NAV-TS	MD 400W HQI-TS	MD 250W HQI-TS MH-TD



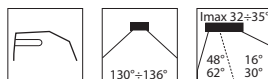
5Stars 2/C Circular reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Code	Notes	
Fc2	250W	SD		C	94	I	CR	•	05071894		•
Fc2	250W	MD		C	94	I	CR	•	05071794		•
Fc2	400W	SD-MD		C	94	I	CR	•	05071994		•



5Stars 2/WR Roadway reflector

Lampholder	W	Ilcos	%	Optic	Colour	Class	Wiring	EEI =	Code	Notes
E40	250W	MT*		WR	94	I	CR	≥ 0,9	05071394	! *for lamp HPI-T Plus
E40	250W	ST-MT		WR	94	I	CR		05071494	
E40	400W	MT*		WR	94	I	CR		05071594	! *for lamp HPI-T Plus
E40	400W	ST-MT		WR	94	I	CR		05071694	



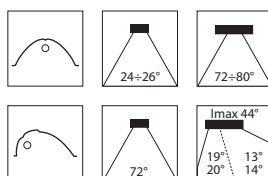
! HPI-T Plus - Orientation : horizontal $\pm 20^\circ$.

55TARS 2/WR floodlight complete with full cut-off street lighting reflector for a variety of road and street lighting applications. They are also suitable for general area car park lighting, walls, industrial / commercial buildings and façades.



5Stars 2/ HR Hot Restrike

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
Fc2	400W	SD-MD	S	94	I	CR			•	05154394	
Fc2	400W	SD-MD	A45	94	I	CR			•	05154494	



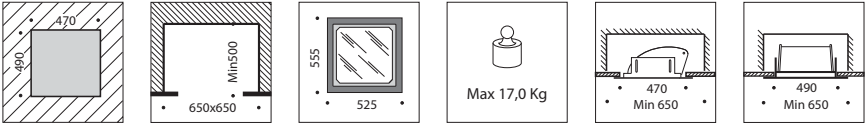
5STARS 2 HR (Hot Restrike) fittings complete with electronic device supplying high voltage impulse (35kV) for instant hot re-strike. Wiring as standard 5STAR 2 fitting. Total weight for (HR) version - 17.5Kg.



Recessed version

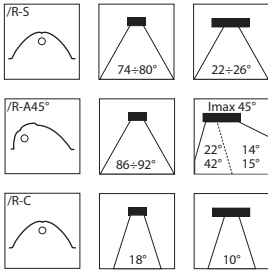
All 5STARS2 fittings (excluding 400W Fc2) are available, on request, as recessed versions suitable for use in false ceiling applications; petrol station canopies, indoor sports halls etc. Emergency lighting options are available on request, either as integral or remote box mounting.

- Steel chromate pre-treated recessing frame painted aluminium grey.
- Stainless steel external fixings.



5Stars 2/R-S /R-A45 /R-C

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes	
E40	250W	MT*		S	94	I	CR			• 05075094	*for lamp HPI-T Plus	•
E40	250W	ST-MT		S	94	I	CR			• 05075294		•
E40	400W	ST-MT		S	94	I	CR			• 05075394		•
E40	250W	ST-MT		A45	94	I	CR			• 05075494		•
E40	400W	MT*		A45	94	I	CR			• 05122094	*for lamp HPI-T Plus	•
E40	400W	ST-MT		A45	94	I	CR			• 05075594		•
Fc2	250W	MD		C	94	I	CR			• 05133294		•



ACCESSORIES



Code	Denomination	Colour	Description
14012520	A0210		Ø3mm galvanised steel wire guard (18 Joule).
14012320	A0208	94	External steel anti-glare louvre painted aluminium grey.
14012420	A0209	94	External steel cowl painted aluminium grey.
14026520	A0249		5STARS 2 frosted glass, optional replacement for standard clear glass.
14042620	A0282		5STARS 2 frosted glass supplement to be ordered together with the fitting for factory fitted option.
14002099	A0163		Prismatic glass with stainless steel retaining springs suitable for 5STARS 2/C fittings only.
14012620	A0211/1	94	Single 5STARS 2 pole top fitting and outreach arm for Ø60-76mm poles.
14012720	A0211/2	94	Twin 5STARS 2 pole top fitting and outreach arm for Ø60-76mm poles.
14011594	A0031	94	1000mm extension arm in heavy gauge steel painted aluminium grey.
14041494	A0278	94	800mm wall mounted extension in sheet steel painted aluminium grey.
14063594	A0270/1	94	Single 5STARS2 aluminium pole top fitting and steel outreach arm for Ø76mm poles. Painted aluminium grey.
14045294	A0270/2-90°	94	Twin 5STARS2 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 90°. Painted aluminium grey.
14063694	A0270/2-180°	94	Twin 5STARS2 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 180°. Painted aluminium grey.
14045394	A0270/3-90°	94	Three 5STARS2 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 90°. Painted aluminium grey.
14052394	A0330/3-120°	94	Three 5STARS2 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 120°. Painted aluminium grey.
14063794	A0270/4	94	Four 5STARS2 aluminium pole top fitting and steel outreach arm for Ø76mm poles, installed at 90°. Painted aluminium grey.
14044620	A0290		5STARS 2 strengthening bracket. Designed for single point fixing M12-M14 screw in centre of the bracket.
14021720	A0245		250W tungsten halogen E27 auxiliary lamp facility, provides instant light during run up of a discharge lamp. To be ordered together with the fitting for factory fitted option.
14042320	A0280/Recessed (Only Recessed)		
14013420	A0213/35-1000W		5STARS 2 timed ignitor supplement to be ordered together with the fitting. Not suitable for versions MT* (HPI-T plus and HR version).





5STARS 1000W are high quality, zero upward light pollution, high performance floodlights suitable for indoor and outdoor sports facilities, external industrial areas, building facades and architectural features.

5STARS 1000W fittings are suitable for a variety of lamp options, with a full range of reflectors and accessories they offer a high performance luminaire for professional applications.

Control gear is available as separate components (ballasts + capacitors) or remote gear boxes to be ordered separately in addition to the floodlight.

- Die cast aluminium body finished.
- Symmetrical and asymmetrical reflectors (Imax 45°) in high purity aluminium anodised and polished in medium (M) or narrow beam (INT).
- Polyamide lamp holder and wiring box. Ignitor supplied and fitted within wiring box.
- IP66 patented anti-vacuum device.
- 5mm toughened safety glass hinged to body.
- Cover fixing clips in anodized aluminium with stainless steel spring.
- Steel mounting bracket finished aluminium grey with strong secure locking device.
- Graduated goniometer aiming device in aluminium.

ALL 5STARS 1000 FITTINGS SUPPLIED COMPLETE WITH IGNITOR.

5STARS 1000 / S M - /S INT

Symmetrical reflectors

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
E40	1000W	MT*		S M	94	I	C			04001794	*for lamp HPI-T	•
E40	1000W	MT*		S INT	94	I	C			04003794	*for lamp HPI-T	•
E40	600 - 1000W	ST-MT		S M	94	I	C			04001994		•
E40	600 - 1000W	ST-MT		S INT	94	I	C			04003594		•



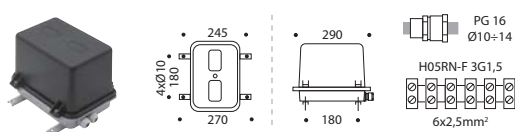
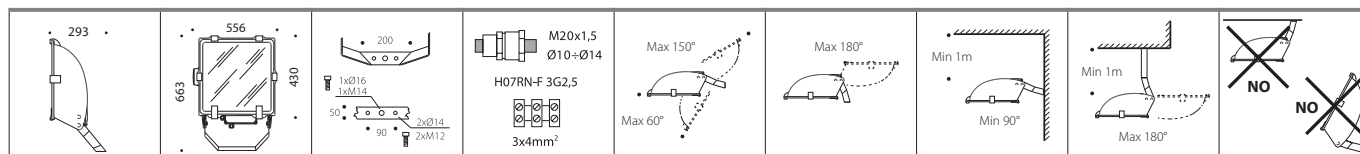
5STARS 1000 / A45 M - /A45 INT

Asymmetrical reflectors Imax 45°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
E40	1000W	MT*		A45 M	94	I	C			04002094	*for lamp HPI-T	•
E40	1000W	MT*		A45 INT	94	I	C			04016794	*for lamp HPI-T	•
E40	600 - 1000W	ST-MT		A45 M	94	I	C			04002294		•
E40	600 - 1000W	ST-MT		A45 INT	94	I	C			04016994		•



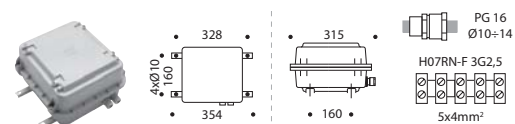
						IK 08 5J											
CLASS I		94		IP 66												ST 600÷1000W	MT Max 1000W



BOX/PA IP65

W	Ilcos	Colour Class	Wiring	EEI =	Cosp	Code	Notes
1000W	MT*	94	I	CRF	≥ 0,9	14216003	*for lamp HPI-T
1000W	ST-MT	94	I	CRF		14215003	
600W	ST	94	I	CR		14017594	

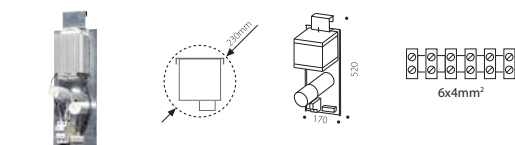
Aluminium base and polyamide cover.



BOX/AL IP65

W	Ilcos	Colour Class	Wiring	EEI =	Cosp	Code	Notes
1000W	MT*	94	I	CRF	≥ 0,9	14013220	*for lamp HPI-T
1000W	ST-MT	94	I	CRF		14013320	
600W	ST	94	I	CR		14017494	

Aluminium construction.



A0239

W	Ilcos	Colour Class	Wiring	EEI =	Cosp	Code	Notes
1000W	MT*	94	I	CRF	≥ 0,9	14025701	*for lamp HPI-T
1000W	ST-MT	94	I	CRF		14020701	

Steel galvanized sheet tray.

⇒ With fuse.

ACCESSORIES



Code	Denomination	Colour Description
14012520	A0210	Steel galvanised wire guard (18 Joule).
14012320	A0208	94 External anti-glare louvre painted aluminium grey.
14012420	A0209	94 External cowl painted aluminium grey.
14026520	A0249	Frosted glass optional replacement for standard clear glass.
14042620	A0282	Supplement for frosted glass factory fitted. To be ordered as a separate item with fitting.
14012620	A0211/1	94 Single support bracket for Ø60-76mm pole top mounting.
14012720	A0211/2	94 Twin support bracket for Ø60-76mm pole top mounting.
14011594	A0031	94 1000mm support bracket in strong sheet steel, painted aluminium grey.
14044620	A0290	5STARS 2 strengthening support bracket. Suitable for one floodlight single point fixing M14 screw in centre of the bracket.
14070520	A0371 / S	Steel wire lamp steady support (recommended for use in installations subject to heavy vibration).
14070620	A0371 / A	Steel wire lamp steady support (recommended for use in installations subject to heavy vibration).
14013420	A0213/35 1000W	Timed ignitor supplement to be ordered as a separate item with fitting. Suitable for all lamps.



LEO are multipurpose professional floodlights for 150-400W HID lamps, suitable for outdoor and indoor lighting. A comprehensive range of reflectors and accessories combine to make LEO a flexible product for a wide range of design applications.

Reflector options:

- Symmetrical medium beam
- Asymmetrical medium beam
- Circular narrow beam
- Roadway medium beam.

- Die cast aluminium finished aluminium grey.
- Reflectors in high purity aluminium anodised and polished.
- 5mm Toughened "safety" glass cover hinges down for maintenance.
- Silicone anti-ageing gasket.
- Cover fixing clips in anodized aluminium with AISI 302 stainless steel spring.
- Steel mounting bracket finished aluminium grey
- M20x1.5 IP68 anti tearing cable glands for H05RNF 3G1,5 Ø10-14 mm dia. cables.
- Stainless steel external screws.



LEO/S Symmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	150W	SD-MD		S	94	I	CR		•	05057194	
E40	150W	ST-MT		S	94	I	CR		•	05056694	
E40	250W	ST-MT		S	94	I	CR		•	05056794	
E40	400W	ST-MT		S	94	I	CR		•	05056894	
E40	250W	MT*		S	94	I	CR		•	05056994	*for lamp HPI-T
E40	400W	MT*		S	94	I	CR		•	05057094	*for lamp HPI-T
E40	150W	ST	2000	S	94	I	CRL		•	07017794	
E40	250W	ST	2000	S	94	I	CRL		•	07003194	
E40	400W	ST	2000	S	94	I	CRL		•	07003294	
E40	250W	MT*	4500	S	94	I	CRL		•	07003394	*for lamp HPI-T
E40	400W	MT*	4500	S	94	I	CRL		•	07003494	*for lamp HPI-T



Fittings supplied complete with lamp.



LEO/A Asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	150W	SD-MD		A	94	I	CR		•	05058094	
E40	150W	ST-MT		A	94	I	CR		•	05057594	
E40	250W	ST-MT		A	94	I	CR		•	05057694	
E40	400W	ST-MT		A	94	I	CR		•	05057794	
E40	250W	MT*		A	94	I	CR		•	05057894	*for lamp HPI-T
E40	400W	MT*		A	94	I	CR		•	05057994	*for lamp HPI-T
E40	150W	ST	2000	A	94	I	CRL		•	07003694	
E40	250W	ST	2000	A	94	I	CRL		•	07003794	
E40	400W	ST	2000	A	94	I	CRL		•	07003894	
E40	250W	MT*	4500	A	94	I	CRL		•	07003994	*for lamp HPI-T
E40	400W	MT*	4500	A	94	I	CRL		•	07004094	*for lamp HPI-T



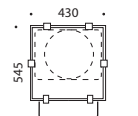
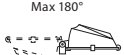
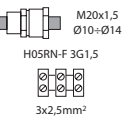
Fittings supplied complete with lamp.

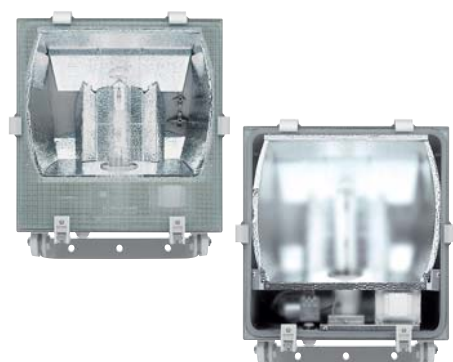


LEO/C Circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	150W	SD-MD		C	94	I	CR		•	05058494	



	(NO 400W)					/S-A-C IK 09 15J	/WR IK 08 6J		 max 13kg											
CLASS I		94	IP 65														MT Max 400W HPI-T Plus	ST Max 400W NAV-T SON-T	MT Max 400W CDO-TT HQI-BT/D HQI-T/D	SD-MD 150W NAV-TS MHT-D HQI-TS
																				



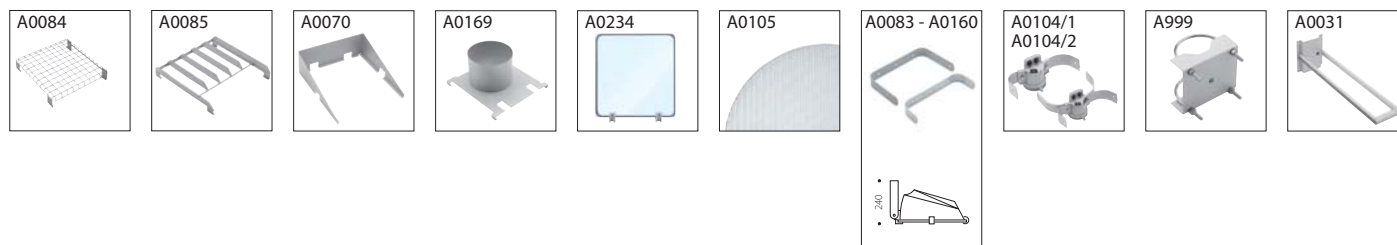
LEO/WR *Roadway reflector*

Lampholder	W	Icos	*K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	100W	ST		WR	94	I	CR		•	05061794	
E40	150W	ST-MT		WR	94	I	CR		•	05061894	
E40	250W	ST-MT		WR	94	I	CR		•	05061994	
E40	100W	ST		WR	94	I	CR		•	05061394	
E40	150W	ST-MT		WR	94	I	CR		•	05061494	
E40	250W	ST-MT		WR	94	I	CR		•	05061594	



☞ Frosted glass fittings.

ACCESSORIES



Code	Denomination	Colour	Description
14327933	A0084		Steel wire guard (20Joule).
14009794	A0085	94	External steel anti-glare louvre painted aluminium grey.
14009594	A0070	94	External steel cowl painted aluminium grey.
14009894	A0169	94	External sheet steel circular baffle finished grey, available for LEO/C version only.
14018220	A0234		Frosted glass supplement to be ordered together with the fitting for factory fitted option.
14396993	A0105		Prismatic glass suitable for LEO/C fittings only.
14009694	A0083	94	Long bracket for ceiling mounting, painted aluminium grey.
14001699	A0160	INOX	LEO mounting bracket in stainless steel.
14009994	A0104/1	94	Single aluminium pole top bracket for Ø60-76mm poles painted aluminium grey.
14010094	A0104/2	94	Twin aluminium pole top bracket for Ø60-76mm poles painted aluminium grey.
14012294	A999	94	Steel 'U' bolt clamp for Ø60-80mm poles painted aluminium grey.
14011594	A0031	94	1m support in strong sheet steel painted aluminium grey.





JOLLY is a range of multipurpose general area floodlights suitable for 70-400W metal halide and high pressure sodium lamps.

A highly functional engineered and robust product, available with symmetrical, asymmetrical and circular reflectors, providing efficient light output performance.

JOLLY floodlight features:

- High light output ratios
- Robust construction and reliability
- Fast and easy installation / maintenance

JOLLY floodlights are manufactured entirely at the SBP factory on a totally automated assembly thereby producing a competitive high quality product.

- Die cast aluminium alloy corrosion resistant body, sand blast and phospho-chromate pre-treated, finished polyester powder coated aluminium grey.
- Reflector in high purity aluminium anodised and polished.
- Cover fixing clips in anodized aluminium with stainless steel spring.
- Toughened safety glass cover, hinges down for easy access and maintenance.
- Silicone anti-ageing gasket.
- Stainless steel external screws
- IP68 anti-tearing cable gland
- Steel mounting bracket finished aluminium grey colour.



JOLLY 1/S Symmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes
RX7s	70W	SD-MD		S	94	I	CR			• 05208694	
RX7s	150W	SD-MD		S	94	I	CR			• 05208794	
RX7s	70W	MD	4200	S	94	I	CRL			• 07023194	☺
RX7s	150W	MD	4200	S	94	I	CRL			• 07023094	☺



☺ Fittings supplied complete with lamp.



JOLLY 1/A Asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes
RX7s	70W	SD-MD		A	94	I	CR			• 05208894	
RX7s	150W	SD-MD		A	94	I	CR			• 05208994	
RX7s	70W	MD	4200	A	94	I	CRL			• 07022994	☺
RX7s	150W	MD	4200	A	94	I	CRL			• 07022894	☺

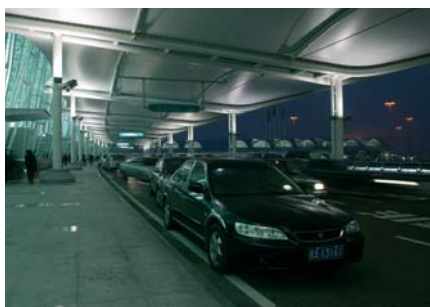


☺ Fittings supplied complete with lamp.



JOLLY 1/C Circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes
RX7s	70W	SD-MD		C	94	I	CR			• 05226794	
RX7s	150W	SD-MD		C	94	I	CR			• 05226894	



					Jolly 1/Jolly2 IK 07 3J	Jolly 1/Jolly2 IK 08 6J		Jolly 1/Jolly2 0,028 m²		Jolly 1/Jolly2 max 4,7kg	Jolly 1/Jolly2 max 10kg					
CLASS I		94	IP 65													
												70÷150W NAV-TS	70÷150W HQ-TS/MH-TD CDM-TD	Max 250W HQ-TS/MH-TD	Max 400W NAV-T/SON-T	Max 400W HP-TAK3-TD HP-T Plus HOH-T/OCDs



JOLLY 2/S *Symmetrical reflector*

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT		S	94	I	CR		•	05187794	
E40	250W	ST-MT		S	94	I	CR		•	05187994	
E40	400W	ST-MT		S	94	I	CR		•	05188194	
E40	250W	MT*		S	94	I	CR		•	05187894	*for lampe HPI-T
E40	400W	MT*		S	94	I	CR		•	05188094	*for lampe HPI-T
E40	250W	ST	2000	S	94	I	CRL		•	07020494	🔍
E40	400W	ST	2000	S	94	I	CRL		•	07020694	🔍
E40	250W	MT*	4500	S	94	I	CRL		•	07020394	*for lampe HPI-T
E40	400W	MT*	4500	S	94	I	CRL		•	07020594	*for lampe HPI-T



💡 Fittings supplied complete with lamp.



JOLLY 2/A *Asymmetrical reflector*

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	150W	ST-MT		A	94	I	CR		•	05188294	
E40	250W	ST-MT		A	94	I	CR		•	05188494	
E40	400W	ST-MT		A	94	I	CR		•	05188694	
E40	250W	MT*		A	94	I	CR		•	05188394	*for lampe HPI-T
E40	400W	MT*		A	94	I	CR		•	05188594	*for lampe HPI-T
E40	250W	ST	2000	A	94	I	CRL		•	07020894	💡
E40	400W	ST	2000	A	94	I	CRL		•	07021094	💡
E40	250W	MT*	4500	A	94	I	CRL		•	07020794	💡 *for lampe HPI-T
E40	400W	MT*	4500	A	94	I	CRL		•	07020994	💡 *for lampe HPI-T



💡 Fittings supplied complete with lamp.



JOLLY 2/C *Circular reflector*

Lampholder	W	lcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
RX7s	150W	SD-MD		C	94	I	CR		•	05225894	
Fc2	250W	MD		C	94	I	CR		•	05225994	





SPIDER tungsten halogen fittings available in 500W, 1000W and 1500W lamps are ideal for security lighting where instant (hot re-strike) is required, or for small area low usage lighting. Other SPIDER versions available as follows:

- SPIDER 511 L + A107/T tungsten halogen fitting complete with supply cable, plug, 400W tungsten halogen lamp, and portable telescopic tri-pod stand.

- Aluminium body finished black or available in white for 500W version only.
- Technopolymer cover frame finished black, hinges down for maintenance.
- Wide beam asymmetrical reflector in high purity aluminium anodised and polished.
- Silicone anti-ageing rubber gasket.
- Toughened safety glass.
- Technopolymer control gear and wiring box finished black.
- Mounting bracket in sheet steel finished black.
- Stainless steel external screws.



SPIDER

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
R7s	200÷500W	HDG		S	80	I	C			• 01086011	■
R7s	200÷500W	HDG		S	85	I	C			• 01090021	■
R7s	200÷500W	HDG		S	80	II	C			• 01590011	■
GY6,35	2x100W/24V - 2x50W/12V	HSGS		S	80	III				• 01648011	■ !
R7s	1000W	HDG		S	80	I	C			• 01717011	□
R7s	1500W	HDG		S	80	I	C			• 01882011	



! For 12/24V lamp supply.

■ Minimum order 12 pcs. or multiple quantities thereof.

□ Minimum order 3 pcs. or multiple quantities thereof.



SPIDER 511 + A107/T

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
R7s	500W	HDG	2900°	S	80	I	C			• 03046011	

SPIDER 511 + A107/T+L tungsten halogen fitting complete with 3m H05RN-F supply cable, plug, 400W tungsten halogen lamp, and portable telescopic adjustable height tri-pod stand. Steel tubular legs finished black. Four colour print packaging.



						500W 2x100+50W IK 07 3J	1000-1500W IK 09 14J																																								
CLASS I		CLASS III		CLASS II		80	85		IP 65						HDG 200÷1500W	HSGS max 100W																															
		SPIDER 511÷1500			BRACKET				PG11 Ø8,5÷Ø10,5 H05RN-F 3G1,5 2x1,5mm²																																						
		<table><tr><td></td><td>511</td><td>1000</td><td>1500W</td></tr><tr><td>A</td><td>134</td><td>180</td><td>180</td></tr><tr><td>B</td><td>215</td><td>325</td><td>395</td></tr><tr><td>C</td><td>262</td><td>385</td><td>385</td></tr><tr><td>D</td><td>105</td><td>145</td><td>185</td></tr></table>				511	1000	1500W	A	134	180	180	B	215	325	395	C	262	385	385	D	105	145	185	<table><tr><td></td><td>511</td><td>1000</td><td>1500W</td></tr><tr><td>E</td><td>25</td><td>30</td><td>30</td></tr><tr><td>F</td><td>68</td><td>68</td><td>68</td></tr></table>				511	1000	1500W	E	25	30	30	F	68	68	68								
	511	1000	1500W																																												
A	134	180	180																																												
B	215	325	395																																												
C	262	385	385																																												
D	105	145	185																																												
	511	1000	1500W																																												
E	25	30	30																																												
F	68	68	68																																												

ACCESSORIES



Code	Denomination	Colour	Description
14458993	A0138/500		SPIDER 511 steel wire guard finished black.
14459993	A0139/1000		SPIDER 1000 steel wire guard finished black.
14460993	A0140/1500		SPIDER 1500 steel wire guard finished black.
14014011	A101	80	Anti-glare louvre in sheet steel finished black for SPIDER 511/12.
14266011	A104	80	Adjustable barn doors in sheet finished black for SPIDER 511/12.
14016011	A103	80	Sheet steel cowl finished black for SPIDER 511/12.
14337011	A107/T	80	Adjustable telescopic tri-pod stand in steel finished black.
14023011	A105/500	80	500mm extension arm in sheet steel finished black suitable for SPIDER 511 and SPIDER 12 only.
14085011	A105/1000	80	1000mm extension arm in sheet steel finished black suitable for SPIDER 511 and SPIDER 12 only.
14235013	A0026/500	80	500mm extension arm Ø22 tubular steel finished black suitable for all SPIDER models.
14236023	A0026/500	85	500mm extension arm Ø22 tubular steel finished white suitable for all SPIDER models.
14237013	A0026/1000	80	1000mm extension arm Ø22 tubular steel finished black suitable for all SPIDER models.
14238023	A0026/1000	85	1000mm extension arm Ø22 tubular steel finished white suitable for all SPIDER models.





"Y"psilon are compact low wattage floodlights for indoor and outdoor installation. Offering a wide range of lamp sources, accessories, and options for asymmetrical, symmetrical and circular reflectors, the Ypsilon is a small and flexible fitting ideal for lighting; shop windows, signage / advertising boards, small features, architectural details and interiors.

- Die cast aluminium body available in a choice of three colours; black, white or aluminium grey.
- Reflectors in high purity aluminium anodised and polished. HID options available as; wide or narrow beam asymmetrical and circular reflectors. Compact fluorescent available as; wide beam symmetrical.
- Toughened "safety" glass cover mounted in a technopolymer frame which hinges down for maintenance.
- Silicone anti-ageing gasket.
- Mounting bracket sheet steel painted.
- Stainless steel external screws.



YPSILON / A Asymmetrical reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
RX7s	70W	SD-MD	A	80	I	CR				• 05945013	
RX7s	70W	SD-MD	A	85	I	CR				• 05947023	
RX7s	70W	SD-MD	A	94	I	CR				• 05067894	
RX7s	150W	SD-MD	A	80	I	CR				• 05944013	
RX7s	150W	SD-MD	A	85	I	CR				• 05946023	
RX7s	150W	SD-MD	A	94	I	CR				• 05067994	
RX7s	70W	MD	4200	A	80	I	CRL			• 07252013	☹
RX7s	70W	MD	4200	A	85	I	CRL			• 07253023	☹
RX7s	70W	MD	4200	A	94	I	CRL			• 07010294	☹
RX7s	150W	MD	4200	A	80	I	CRL			• 07254013	☹
RX7s	150W	MD	4200	A	85	I	CRL			• 07255023	☹
RX7s	150W	MD	4200	A	94	I	CRL			• 07010394	☹



☹ Fittings supplied complete with lamp.



YPSILON / C Circular reflector

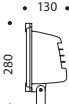
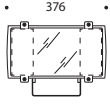
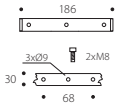
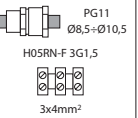
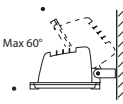
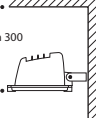
Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
RX7s	70W	SD-MD	C	80	I	CR				• 05949013	
RX7s	70W	SD-MD	C	85	I	CR				• 05951023	
RX7s	70W	SD-MD	C	94	I	CR				• 05068394	
RX7s	150W	SD-MD	C	80	I	CR				• 05948013	
RX7s	150W	SD-MD	C	85	I	CR				• 05950023	
RX7s	150W	SD-MD	C	94	I	CR				• 05068494	



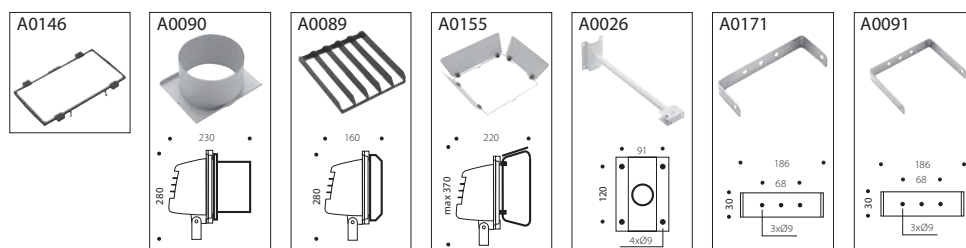
YPSILON / Fluo Symmetrical reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
2G11	2x24W	FSD	S	80	I	CR	B2			• 05959013	
2G11	2x24W	FSD	S	85	I	CR	B2			• 05960023	
2G11	2x24W	FSD	S	94	I	CR	B2			• 05068294	



						IK 08 6J				 max 6kg						
CLASS I		80 85	94	IP 65										MD  70÷150W [HQL-TS/MH-TD] CDM-TD	SD  70÷150W NAV-TS	FSD  24W DULUX-L PL-L
																

ACCESSORIES



Code	Denomination	Colour	Description
14467013	A0146	80	Replace the standard frame with the A0146 accessory (only in black colour) to give the fitting resistance to the glow wire test at 850°C (V0-UL94).
14351993	A0090	80	Circular external baffle in black painted aluminium, only suitable for YPSILON /C.
14012094	A0090	94	Circular external baffle in grey painted aluminium, only suitable for YPSILON /C.
14350993	A0089	80	Antidazzle barrier in black painted steel sheet, (not suitable for YPSILON / FLUO).
14011994	A0089	94	Antidazzle barrier in grey aluminium painted steel sheet (not suitable for YPSILON / FLUO).
14006061	A0155	80	Barndoors painted in black (not suitable for YPSILON / FLUO).
14012194	A0155	94	Barndoors painted aluminium grey (not suitable for YPSILON / FLUO).
14235013	A0026/500	80	50 cm. support in black painted steel sheet.
14236023	A0026/500	85	50 cm. support in white painted steel sheet.
14015194	A0026/500	94	50 cm. support in grey painted steel sheet.
14237013	A0026/1000	80	100 cm. support in black painted steel sheet.
14238023	A0026/1000	85	100 cm. support in white painted steel sheet.
14015294	A0026/1000	94	100 cm. support in grey painted steel sheet.
14003504	A0171	INOX	Stainless steel (AISI 304) bracket. To avoid any rust mark which could damage the installation surface (ex. monuments).
14352993	A0091	80	Long bracket in black painted steel, for ceiling mounting.
14014594	A0091	94	Long bracket in grey aluminium painted steel, for ceiling mounting.





RANDA corrosion resistant IP55 fittings manufactured from technopolymer suitable for indoor and outdoor applications. Available with various mounting options and suitable for use with a wide range of light sources: compact fluorescent, mercury vapour, high pressure sodium and metal halide (100W max).

Randa are available in two versions:

RANDA fixed surface mounted
RANDA OR cradle mounted for adjustable positioning.

Randa are highly versatile luminaires to suit a variety of applications.

- Glass fibre reinforced polyamide black body.
- Cover in UV stabilized polycarbonate. RANDA 80 and 100 are supplied with an internal toughened glass to further shield the polycarbonate cover from UV.
- Silicone gaskets.
- Stainless steel external screws.

A0047 pole mounting accessories for single or twin fittings on 60mm poles.

Through wiring connection using A0052 gland accessory. (RANDA OR)

RANDA OR fittings are suitable for use with extension arm bracket accessory A0026 (500mm or 1000mm).



RANDA OR

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	70W	SE/I		A	80	I	CR		•	05417013	⚠
E27	80W	QE		A	80	I	CR		•	05421013	!
E27	100W	ME		A	80	I	CR		•	05425013	!
E27	70W	SE/I	2000	A	80	I	CRL		•	07079013	⚠ ⚡
E27	100W	ME	2900	A	80	I	CRL		•	07108013	! ⚡



Fittings supplied complete with lamp.



For lamps with integral ignitor.



Complete with toughened glass fitted behind polycarbonate cover.



RANDA OR

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
2G11	2x18W	FSD		A	80	I	CR	B2	•	05413013	
2G11	2x18W	FSD	4000	A	80	I	CRL	B2	•	07075013	⚡



Fittings supplied complete with lamp.



CLASS I

80

IP 55

FSD
9W
DULUX-L
PL-L

SE
70W
NAV-E/I
SON-I

QE
80W
HQL
HPL-N

ME
100W
HQ-E

RANDA OR

RANDA

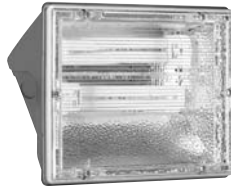


RANDA

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	70W	SE/I		A	80	I	CR			• 05415013	
E27	80W	QE		A	80	I	CR			• 05419013	!
E27	100W	ME		A	80	I	CR			• 05423013	!
E27	70W	SE/I	2000	A	80	I	CRL			• 07077013	
E27	100W	ME	2900	A	80	I	CRL			• 07106013	!



- Fittings supplied complete with lamp.
- For lamps with integral ignitor.
- ! Complete with toughened glass fitted behind polycarbonate cover.



RANDA

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
2G11	2x18W	FSD		A	80	I	CR	B2		• 05411013	
2G11	2x18W	FSD	4000	A	80	I	CRL	B2		• 07073013	



- Fittings supplied complete with lamp.

ACCESSORIES

A0047/1

A0047/2

A0026

A0052

Code	Denomination	Colour	Description
14193013	A0047/1	80	Single pole top mounting in technopolymer for Ø60mm poles. Suitable for use with RANDA not for RANDA OR.
14194013	A0047/2	80	Twin pole top mounting in technopolymer for Ø60mm poles. Suitable for use with RANDA not for RANDA OR.
14235013	A0026/500	80	500 mm steel extension arm bracket finished black (RANDA OR only).
14237013	A0026/1000	80	1000 mm steel extension arm bracket finished black (RANDA OR only).
14222016	A0052	80	Extra cable gland for in series connection (only for RANDA OR).





JAY is a range of multifunctional spot lights for indoor and outdoor applications suitable for ground and wall mounting. JAY is a clean and simple designed fitting which is suitable for highlighting architectural details and features.

Available in the following versions:

- JAY with dychroic lamp :
 - 50W / 12V (without transformer)
 - 50W / 12V (with integrated electronic transformer)
 - 50W / 230V (mains voltage)
- JAY with E27 compact fluorescent lamp max 12W.
- JAY LED 3x1.4W in three different colours warm white (3000°K), white (6000°K) and blue.

JAY KIT – being composed of JAY fixture c/w mounted lamp FLUO 12W or LED 7W, picket or 0,5m H07RN-F cable with socket IP68 for a quick mounting.

- Body in corrosion resistant aluminium finished polyester powder coated black.
- Sodium calcium safety toughened float glass.
- Glass closing frame in nylon PA46 + 30% F.V.
- Cover and connection box in nylon PA66 + 30%F.V.
- Anti-ageing silicon rubber gaskets.
- Bracket in stainless steel plate polyester powder coated.
- Ø 7 to 10 mm cables entry – 2x2.5 mm².
- Stainless steel external screw fixings.



JAY

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GU5,3	50W	HRGS			81	III				• 01043281	!
GU5,3	50W	HRGS			81	II	T			• 04023781	
GZ10	50W	HRGS			81	II				• 01043381	

! Without transformer



JAY - FLUO

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	12W	FBT		C	81	II				• 01043481	



JAY - LED

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°3 led 350mA	4,2W		○ 6000°	LED C 30°	81	II	ETRC			06016481	EI
n°3 led 350mA	4,2W		○ 3000°	LED C 30°	81	II	ETRC			06016581	EI
n°3 led 350mA	4,2W		●	LED C 30°	81	II	ETRC			06016681	EI

EI Complete with electronic ballast non dimmable 995±240V 50/60Hz.



JAY FLUO KIT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	11W	FBT	○ 2700°	C	81	II				03005681	Q

Kit being composed of JAY fluo + A0462 + lamp with illustrated packaging.

JAY LED KIT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GU10	7W		○ 4200°	LED C 25°	81	II				03005781	Q

Kit being composed of JAY LED + A0462 + lamp with illustrated packaging.

Q Fittings supplied complete with lamp.

								IK 07 3J					max 0,6 kg							
CLASS II		CLASS III (cod. 01043281)		81	IP 65												HRGS Max 50W GZ10	HRGS Max 50W GY5,3	FBT Max 11W DULUX-STAR	LED Max 4,2W

ACCESSORIES

A0459	A0460	A0461	A0462

Code	Denomination	Colour	Description
14091981	A0459	81	600mm stainless steel bracket complete with base in die-cast aluminium finished painted black.
14092081	A0460	81	350mm stainless steel bracket complete with base in die-cast aluminium finished painted black.
14092181	A0461	81	Base in die-cast aluminium finished painted black.
14092202	A0462		Ground installation spike in galvanised steel.





JAGUAR

design SBP



JAGUAR spot light fittings designed for highlighting and feature effect lighting suitable for indoor or outdoor installations.

Available in three versions:

JAGUAR 01/02 suitable for PAR 38 lamps

JAGUAR PA38 suitable for PAR38 lamps. Manufactured from corrosion resistant technopolymer, suitable for marine / sea environments.

Direct ground installation is not recommended.

For ground mounting we recommend the use of A0071 accessories.

JAGUAR 01-02: Aluminium body with polyamide wiring box and silicone gasket.

JAGUAR PA38: Polyamide body and wiring box.



JAGUAR 01 - 02 Aluminium body

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	120W	IPAR			80	I			•	03001016	■
E27	120W	IPAR			85	I			•	03002026	■

■ Minimum order 8 pcs. or multiple quantities thereof.



JAGUAR PA 38 Polyamide body

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	120W	IPAR			80	II			•	01883011	■
E27	120W	IPAR			85	II			•	01000802	■

■ Minimum order 8 pcs. or multiple quantities thereof.

ACCESSORIES



Code	Denomination	Description
14288931	A0071	Galvanised steel ground installation spike suitable for JAGUAR 01-02 and PA38.

							IK 07 2J					max 0,5kg				
CLASS I			CLASS II			80 85	IP 55									IPAR Max 120W PAR 38
JAGUAR 01/PA 38 			PA 38 	01-02 												

SKIPPER is suitable for indoor and outdoor lighting subject to recommended installation positions.

- Available in two versions:

- SKIPPER – complete with moulded wall mounting bracket and pivot joint. Suitable for use with accessories A113/500-1000 extension arm bracket.
- SKIPPER COMPACT – Recommended for indoor and wall mounting only.

Pivot joint adjustment complete with an anti-slide secure fixing.

SKIPPER
design SBP



SKIPPER COMPACT / V



SKIPPER/V

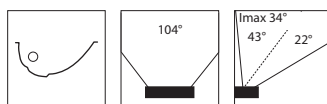


SKIPPER COMPACT / V

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Code	Notes
R7s	max 300W	HDG		A	80	I			01036011	 IP20
R7s	max 300W	HDG		A	85	I			01037021	 IP20

SKIPPER / V

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
R7s	max 300W	HDG		A	80	I			•	01032011	! IP23 ■
R7s	max 300W	HDG		A	85	I			•	01032021	! IP23 ■



👉 Not suitable for use with A113/500-1000 accessories.

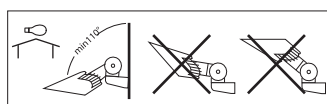
■ Minimum order 8 pcs. or multiple quantities thereof.

SKIPPER KIT

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEI =	$\cos\phi \geq 0,9$	Code	Notes
R7s	max 300W	HDG		A	80	I				03051011	!  IP23
R7s	max 300W	HDG		A	85	I				03052021	!  IP23

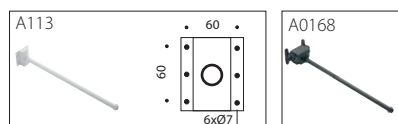
SKIPPER Kit comprising one fitting complete with 300W tungsten halogen lamp and 500mm extension arm.
Available in white or black colour.

💡 Fittings supplied complete with lamp.



! Compulsory positions for outdoor installation.

ACCESSORIES



Code	Denomination	Colour	Description
14002680	A0168/500	80	Die cast aluminium connection box (IP54) and 50cm arm in steel painted in black. It allows connection of fittings in series.
14002785	A0168/500	85	Die cast aluminium connection box (IP54) and 50cm arm in steel painted in white. It allows connection of fittings in series.
14002880	A0168/1000	80	Die cast aluminium connection box (IP54) and 100cm arm in steel painted in black. It allows connection of fittings in series.
14002985	A0168/1000	85	Die cast aluminium connection box (IP54) and 100cm arm in steel painted in white. It allows connection of fittings in series.
14004011	A113/500	80	500mm steel extension arm bracket finished black. Not suitable for SKIPPER COMPACT.
14005021	A113/500	85	500mm steel extension arm bracket finished white. Not suitable for SKIPPER COMPACT.
14086011	A113/1000	80	1000mm steel extension arm bracket finished black. Not suitable for SKIPPER COMPACT.
14089021	A113/1000	85	1000mm steel extension arm bracket finished white. Not suitable for SKIPPER COMPACT.

[illegible][illegible]

SKIPPER COMPACT //	SKIPPER //	H05RN-F 3G1,5				
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FLUOSPOT multi-functional compact fluorescent energy saving IP55 fittings suitable for indoor and outdoor installation, manufactured in technopolymer.

With a variety of mounting accessories and lamp options (24W max) FLUOSPOT are ideal for small advertising and signage panels, garden and small area lighting, security lighting. Other mounting accessories include extension arms (500mm/1000mm), and telescopic tri-pod stand.

- Polyamide body reinforced with fibreglass available in black or white.
- Long life polyurethane gasket.
- Stabilized UV polycarbonate cover.
- Polyamide pivot joint and wiring connection box.
- Reflectors in high purity aluminium anodised and polished which provide a cover plate and support for electrical components.
- Steel sheet wall fixing bracket complete with polyamide cover.
- Stainless steel external screws.



FLUOSPOT PC

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G23	2x9W	FSD		S	80	I	CR	B2	•	05836013	
G23	2x9W	FSD		S	85	I	CR	B2	•	05901023	
G23	4x9W	FSD		S	80	I	CR	B2	•	05835013	
G23	4x9W	FSD		S	85	I	CR	B2	•	05900023	
G23	4x9W	FSD	4000	S	80	I	CRL	B2	•	07199013	Q
G23	4x9W	FSD	4000	S	85	I	CRL	B2	•	07204023	Q
2G10	24W	FSS		S	80	I	CR	B2	•	05893013	
2G10	24W	FSS		S	85	I	CR	B2	•	05903023	

FLUOSPOT PC - ETRC

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
2G7	2x9W	FSD		S	80	I	ETRC	A2	•	05357580	E
2G7	2x9W	FSD		S	85	I	ETRC	A2	•	05357685	E
2G7	4x9W	FSD		S	80	I	ETRC	A2	•	05357780	E
2G7	4x9W	FSD		S	85	I	ETRC	A2	•	05357885	E
2G7	4x9W	FSD	4000	S	80	I	ETRCL	A2	•	07040080	Q E
2G7	4x9W	FSD	4000	S	85	I	ETRCL	A2	•	07040185	Q E
2G10	24W	FSS		S	80	I	ETRC	A2	•	05357980	E
2G10	24W	FSS		S	85	I	ETRC	A2	•	05358085	E



Light bulb icon: Fittings supplied complete with lamp.



E icon: Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



FLUOSPOT KIT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G23	4x9W	FSD	4000	S	80	I	CRL	B2	•	03002280	
G23	4x9W	FSD	4000	S	85	I	CRL	B2	•	03002385	

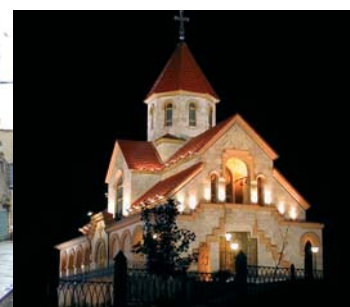
FLUOSPOT KIT - ETRC

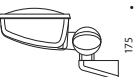
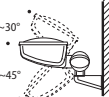
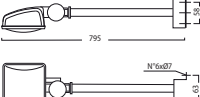
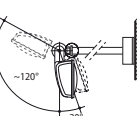
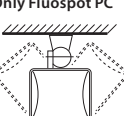
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
2G7	4x9W	FSD	4000	S	80	I	ETRCL	A2	•	03006080	E
2G7	4x9W	FSD	4000	S	85	I	ETRCL	A2	•	03006185	E

E icon: Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

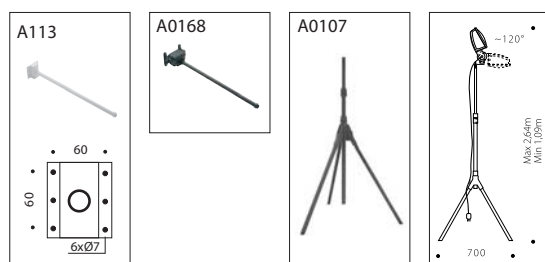


FLUOSPOT Kit comprising one fitting complete with 4x9W lamps and 500mm extension arm. Available in white or black colour.



							IK 09 12J									
CLASS I		80 85		IP 55											 9W DULUX-S PL-S	 24W DULUX FLAT
Fluspot PC	 181 175 295	 216 40 54 2xØ7	 75 40 54 2xØ7	 M20x1,5 Ø7-Ø11 3x2,5mm²	 ~110° ~20°	 ~30° ~45°	Fluspot KIT	 180 795 1/2xØ7 180 216	 ~120° ~20°	Only Fluspot PC	 ~50° ~50°					

ACCESSORIES



Code	Denomination	Colour	Description
14002680	A0168/500	80	Die cast aluminium connection box (IP54) and 50cm arm in steel painted in black. It allows connection of fittings in series.
14002785	A0168/500	85	Die cast aluminium connection box (IP54) and 50cm arm in steel painted in white. It allows connection of fittings in series.
14002880	A0168/1000	80	Die cast aluminium connection box (IP54) and 100cm arm in steel painted in black. It allows connection of fittings in series.
14002985	A0168/1000	85	Die cast aluminium connection box (IP54) and 100cm arm in steel painted in white. It allows connection of fittings in series.
14004011	A113/500	80	Extension arm available in 500 length finished black.
14005021	A113/500	85	Extension arm available in 500 length finished white.
14323013	A113/1000/R	80	Extension arm available 1000mm length finished black.
14324023	A113/1000/R	85	Extension arm available 1000mm length finished white.
14337011	A107/T	80	Adjustable steel telescopic tri-pod stand with polyamide joints.



Fluoline fittings are constructed from a technopolymer body with a clear UV stabilised polycarbonate cover and stainless steel brackets (where applicable) producing a corrosion resistant fitting suitable for installation in marine / sea climate applications. Insulation Class II product. Available as through wiring connection with appropriate accessories. Easy low cost maintenance and installation.



FLUOLINE 1 is the most compact model in the Fluoline range with modern clean simple lines ideal for discreet installations.

Fluoline 1 is suitable for use with 7-9W compact fluorescent lamps (equivalent to 40/50W incandescent) complete with high frequency electronic ballast.

Fluoline 1 is complete with a moulded fixing base for wall or ceiling installation allowing various mounting positions. Options for stainless steel mounting brackets are also available.



FLUOLINE 2 is the intermediate model in the Fluoline range with a unique cylindrical compact design.

Fluoline 2 are ideal for walkways and path lighting, wall mounted on buildings to provide general area lighting, security lighting and residential lighting.

Fluoline 2 is suitable for use with 26-42W compact fluorescent lamps complete with conventional or electronic control gear. An option for 70W HID E27 lamps with integral ignitor and toughened glass cover, instead of polycarbonate, is available.



FLUOLINE 3 is the larger and higher powered of the compact fluorescent versions within the Fluoline range. The contemporary clean geometry and shallow depth combined with a light source of up to 2x36W (5800 lm) making Fluoline 3 particularly suitable for shop façades, sign lighting, advertising boards, walkways, and security lighting.

Fluoline 3 is suitable for single or twin Dulux-L 24 or 36W lamps complete with conventional or electronic control gear for single lamp version and electronic control gear for twin lamp. Lamp positions on the single lamp versions can be adjusted on site for asymmetrical or symmetrical distribution.

Fluoline 3 is supplied with two stainless steel brackets for wall or ceiling installation. Accessories are available for bracket mounting (A0300), extension arm bracket (A0301). Available as well as kit c/w 500mm support arm and lamp.

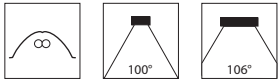


CLASS II		85 90		IP 65												FSD 7W DULUX-SE PL-S	FSD 9W DULUX-SE PL-S



FLUOLINE 1

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL	Cosφ	Code	Notes
2G7	7÷9W	FSD		S	85	II	ETRC	A2	≥ 0,9	05146585	
2G7	7÷9W	FSD		S	90	II	ETRC	A2	≥ 0,9	05146490	



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

ACCESSORIES



Code	Denomination	Colour	Description
14051085	A0317	85	Fluoline 1 adjustable wall / ceiling bracket in stainless steel with moulded fixing base finished white.
14050790	A0317	90	Fluoline 1 adjustable wall / ceiling bracket in stainless steel with moulded fixing base finished grey.
14051185	A0318	85	Side mounting adjustable wall bracket in steel finished white.
14050890	A0318	90	Side mounting adjustable wall bracket in steel finished light grey.
14050920	A0319		Through wiring kit.



- Body in tecnopolymer white or grey.
- Cover in clear UV stabilized polycarbonate
- Polyurethane long life gasket
- Reflector high purity polished aluminium
- Cable entry 7-10mm dia. 2x1 mm² cables.
- A2 stainless steel external screws.
- Recommended cables type: HO5RNF2x1mm².
- A0319 Through wiring accessory kit (max no. 40x9W fittings on a max length of 100m).



					/V	IK 08 8J	/PC	IK 09 10J			max 2,9kg										
CLASS II		85 90	94	IP 65																	
																		F SQ 26W DULUX-D PL-C DULUX-DE	FS MH max 42W DULUX-TE PL-T	SE Max 70W NAV-E/I SON/I Δ	ME 70W HQI-E CDO-ET



FLUOLINE 2 *Cover in clear polycarbonate*

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G24d-3	26W	FSQ		S	85	II	CR	B2	•	05147485	
G24d-3	26W	FSQ		S	90	II	CR	B2	•	05146890	
GX24q-3/4	26-32-42W	FSMH / FSQ		S	85	II	ETRC	A2	•	05147885	
GX24q-3/4	26-32-42W	FSMH / FSQ		S	90	II	ETRC	A2	•	05147290	

FLUOLINE 2 *Toughened flat glass cover*

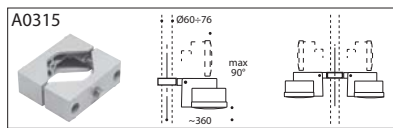
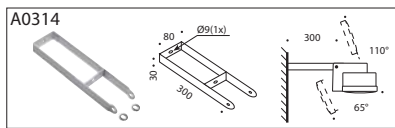
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	50W	SE/I		S	94	II	CR		•	05155890	
E27	70W	SE/I		S	94	II	CR		•	05146990	
E27	70W	ME		S	94	II	CR		•	05170494	



 Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

 For lamps with integral ignitor.

ACCESSORIES

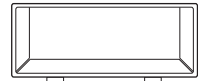
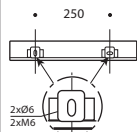
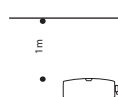


Code	Denomination	Colour	Description
14050390	A0314	90	300mm extension arm bracket finished light grey, allows adjustable orientation of the FLUOLINE 2 fitting.
14050485	A0314	85	300mm extension arm bracket finished white, allows adjustable orientation of the FLUOLINE 2 fitting.
14050590	A0315	94	Die-cast aluminium pole fixing clamp finished white suitable for single or two Fluoline 2 fittings, back to back, on Ø60-76mm poles.
14050620	A0316		Through wiring kit complete with M16x1.5 anti-rupturing IP68 cable gland, 2x4 mm ² terminal block with insulated support and cable guide (cables not supplied).



- Body in technopolymer white or light grey (FLUO 26-42W) and aluminium grey (SE ME 50-70W).
- Cover in clear UV stabilized polycarbonate (FLUO 26-42W) complete with anti-ageing silicone gasket.
- Toughened flat glass cover (SE-ME 50/70W) with anti-ageing dual foam silicone gasket, factory injection direct to glass.
- Reflector in high purity aluminium anodised and polished.
- Anti-tearing M16x1.5 cable gland for Ø5-10mm cables.
- Stainless steel adjustable fixing bracket
- A2 stainless steel external screws.

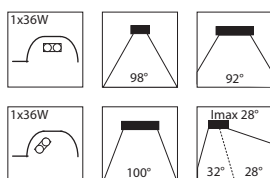
Through wiring accessory kit (A0316) suitable for maximum 13x26W, 10x42W, 7x50W or 5x70W on max. 100m length.

			IK 07 4J				 max 2,8kg					
CLASS II		85 90	IP 65								FSD  24W DULUX-L PL-L	FSD  36W DULUX-L PL-L
 480	 205 75	 250 2xØ6 2xM6	 M16x1,5 Ø5±010 H05RN-F 2x1 2x4mm²				 1m					



FLUOLINE 3

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
2G11	1x24W	FSD		S / A	85	II	CR	B2	•	05145285	
2G11	1x24W	FSD		S / A	90	II	CR	B2	•	05135994	
2G11	1x36W	FSD		S / A	85	II	CR	B1	•	05145485	
2G11	1x36W	FSD		S / A	90	II	CR	B1	•	05136194	
2G11	1x24W	FSD		S / A	85	II	ETRC	A3	•	05145385	
2G11	1x24W	FSD		S / A	90	II	ETRC	A3	•	05136094	
2G11	1x36W	FSD		S / A	85	II	ETRC	A2	•	05145585	
2G11	1x36W	FSD		S / A	90	II	ETRC	A2	•	05136294	
2G11	2x36W	FSD		S	85	II	ETRC	A2	•	05145685	
2G11	2x36W	FSD		S	90	II	ETRC	A2	•	05136394	



E Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



FLUOLINE 3 KIT

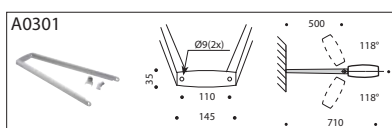
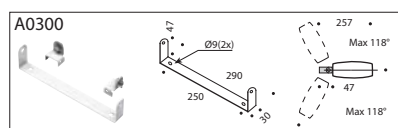
Lampholder	W	Ikos	°K	Optic	Colour	Class	Wiring	EEL =	Coq ≥ 0,9	Code	Notes
2G11	2x36W	FSD	○ 4000°	S	85	II	ETRCL A2	•		07031585	 
2G11	2x36W	FSD	○ 4000°	S	90	II	ETRCL A2	•		07031090	 

Kit being composed of Fluoline 3 + A0301 + 2x36W with illustrated packaging.

EI Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

💡 Fittings supplied complete with lamp.

ACCESSORIES

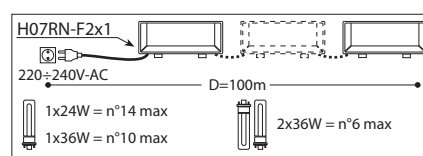


Code	Denomination	Colour	Description
14048504	A0300	04	Stainless steel bracket allows adjustable orientation of the FLUOLINE 3 fitting.
14047385	A0301	85	500mm extension arm bracket finished white, allows adjustable orientation of the FLUOLINE 3 fitting.
14046990	A0301	90	500mm extension arm bracket finished grey, allows adjustable orientation of the FLUOLINE 3 fitting.
14047020	A0302		Through wiring kit comprising: M16x1.5-IP68 anti-rupturing cable gland, 2x4 mm ² terminal block and 1 mm ² double insulated cables.



- Body in tecnopolymer white or grey.
- Impact resistant clear UV stabilized polycarbonate cover.
- Dual foam polyurethane gasket.
- Reflector in high purity polished aluminium.
- Anti-tearing M16x1.5 cable gland for Ø5-10mm cables.
- A0302 Through wiring kit accessory.
- A2 stainless steel external screws.

Fluoline 3 are suitable for single or through wiring connection with maximum n°14/24W, n°10/1x36W or n°6/2x36W twin lamp on max. 100m length.





ARCHIS 14 mini version is part of a comprehensive range of ARCHIS (mini, midi and maxi) suspended pendants. ARCHIS are manufactured from high quality materials with a simple clean design offering a wide range of reflector distributions and styles. Suitable for commercial and retail applications, showrooms, atriums, halls and general area lighting. ARCHIS comprises three parts; (1) gear / wiring box, (2) reflector/refractors and (3) covers (optional). Each individual part has its own product number which must be ordered together to form a complete fitting.

Gear / wiring box in aluminium finished

Aluminium reflectors smooth or faceted.

Refractors linear prismatic PMMA

Frosted diffuser or clear.

- Die cast aluminium housing and chassis finished.
- Wiring terminal block inside aluminium housing with cable gland entry for Ø5 to 8mm flexible cable, 110-240V, 50/60Hz.
- Supplied complete with 1.5m steel wire suspension cable. Fitting is also suitable to be suspended by M13x1 conduit (not included). Aluminium ceiling rose accessory A0256.

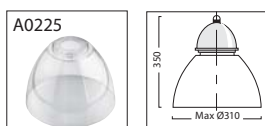
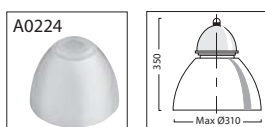
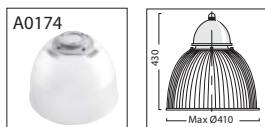
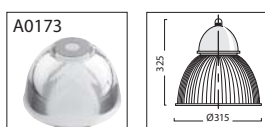


BOX ARCHIS 14

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ± 0,9	Code	Notes
E27	Max 160W	IAA-FBT-FBG-HEGT-QB	94	I						01005894	
G24d-2	18W	FSQ	94	I	C	B2				01005994	!

! Mains supply voltage: 230V 50Hz.

REFLECTORS - REFRACTORS - DIFFUSERS



Code	Denomination	Description	Note
14440994	A0119/34D	34D Smooth surface aluminium reflector.	■
14004710	A0176/34PR	34PR faceted surface aluminium reflector for greater visual comfort.	■

Code	Denomination	Description	Note
14004120	A0173/PMMA	Acrylic (PMMA) linear prismatic clear refractor Ø315 and Ø410mm,	□
14004320	A0174/PMMA	complete with aluminium fixing plate finished.	□

Code	Denomination	Description	Note
14016420	A0224	Acrylic diffuser with special microspheres for frosted appearance.	□

Code	Denomination	Description	Note
14016520	A0225	Polycarbonate clear diffuser (V2 UL94-850°).	□

■ Minimum order 10 pcs. or multiple thereof.

□ Minimum order 6 pcs. or multiple thereof.

							IK 08 6J											
CLASS I		94			IP 20							 max 160W HWL / ML	 max 100W INC.	 max 20W DULUX-EL PLE-D	 max 150W HALOLUX T32	 23W DULUX-EL PLE-T	 20W PLE-C	 18W DULUX-D PLE-C
Box ARCHIS 14	Box ARCHIS 14+A0119/A0176	Box ARCHIS 14+A0173/PMMA	Box ARCHIS 14+A0174/PMMA	Box ARCHIS 14+A0224/PMMA	Box ARCHIS 14+A0225/PMMA			Box ARCHIS 14+A0173/PMMA	Box ARCHIS 14+A0176/A0119									
 ~135 Ø150	 385 Max Ø340	 320 Ø315	 425 Ø410	 ~350	 ~350			 IP 20 IP 40	 IP 20 IP 54									

RECOMMENDED LAMP AND REFLECTOR / REFRACTOR COMBINATIONS TABLE.

	A0119/34D A0176/34PR	A0173/31 PMMA	A0174/41 PMMA	A0224	A0225	
						Recommended.
						Not recommended.

ACCESSORIES

A0226	A0256	A0179	IP 20	A0178-A0180	IP 20

Code	Denomination	Description	Note
14016694	A0226	Aluminium anti-glare louvre finished for A0225 clear polycarbonate diffuser.	☐
14028320	A0256	Ceiling rose finished aluminium grey with galvanized steel support plate and 5x2.5mm ² terminal block.	☐
14009020	A0179/AL	Toughened clear glass cover with aluminium cover clips suitable for aluminium reflectors 34D-34PR. IP54 lamp chamber.	☐
14020320	A0179/AL Soft (x A0119/34D-A0176/34PR)	Toughened frosted glass cover with aluminium cover clips suitable for aluminium reflectors 34D-34PR. IP54 lamp chamber.	☐
14005120	A0178/PMMA (x A0173/PMMA)	Acrylic cover with stainless steel ring. IP40 lamp chamber.	☐
14005420	A0180/PMMA (x A0174/PMMA)	Acrylic cover with stainless steel ring. IP40 lamp chamber.	☐

☐ Minimum order 6 pcs. or multiple thereof.



ARCHIS 15 midi versions are part of a comprehensive range of ARCHIS (mini, midi and maxi) suspended pendants. ARCHIS are manufactured from high quality materials with a simple clean design offering a wide range of reflector distributions and styles. Suitable for commercial and retail applications, showrooms, atriums, halls and general area lighting. ARCHIS comprises three parts; (1) gear / wiring box, (2) reflector/refractors and (3) covers (optional). Each individual part has its own product number which must be ordered together to form a complete fitting.

- Gear / wiring box in aluminium finished
- Aluminium reflectors smooth or faceted.
- Refractors linear prismatic PMMA
- Frosted diffuser or clear.

- Die cast aluminium housing and gear tray finished.
 - Wiring terminal block inside aluminium housing with cable gland entry for Ø5-8mm flexible cable.
 - Supplied complete with 1.5m steel wire suspension cable.
- Aluminium ceiling rose accessory A0256.



BOX ARCHIS 15

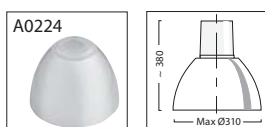
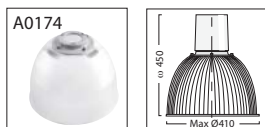
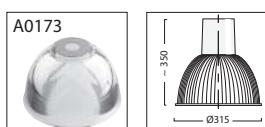
Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Coop ≥ 0.9	Code	Notes
G12	35W	MT			94	I	CR		•	05100494	!
G12	70W	MT			94	I	CR		•	05100594	!
E27	70W	ME-MT			94	I	CR		•	05100694	!
G12	150W	MT			94	I	CR		•	05185694	!
E27	150W	ME			94	I	CR		•	05245894	!
G12	35W	MT			94	I	ETRC		•	05100794	!
G12	70W	MT			94	I	ETRC		•	05100894	!
E27	70W	ME-MT			94	I	ETRC		•	05100994	!
GX24q-3/4	26÷42W	FSM			94	I	ETRC	A2	•	05101094	!
GX24q-5	57W	FSM			94	I	ETRC	A2	•	05101194	!

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

! Mains supply voltage: 230V 50Hz.

Specials available on request (emergency versions, colours options, and special voltage etc).

REFLECTORS - REFRACTORS - DIFFUSERS



Code	Denomination	Description	Note
14440994	A0119/34D	34D Smooth surface aluminium reflector.	■
14004710	A0176/34PR	34PR faceted surface aluminium reflector for greater visual comfort.	■

Code	Denomination	Description	Note
14004120	A0173/PMMA	Acrylic (PMMA) linear prismatic clear refractor Ø315 and Ø410mm,	□
14004320	A0174/PMMA	complete with aluminium fixing plate finished.	□

Code	Denomination	Description	Note
14016420	A0224	Acrylic diffuser with special microspheres for frosted appearance.	□

Code	Denomination	Description	Note
14016520	A0225	Polycarbonate clear diffuser (V2 UL94-850°).	□

■ Minimum order 10 pcs. or multiple thereof.

□ Minimum order 6 pcs. or multiple thereof.

								IK 08 6J									
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CLASS I		94		IP 20													
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 Box ARCHIS 15 • 160 • Ø150	 Box ARCHIS 15 • H Max mm • Ø Max mm	• H Max • Ø Max +A0119 / 34D - 400 Ø340 +A0176 / 34PR - 400 Ø340 +A0173 / PMMA - 350 Ø315 +A0174 / PMMA - 350 Ø410 +A0224 - 380 Ø310 +A0225 - 380 Ø310															
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RECOMMENDED LAMP AND REFLECTOR / REFRACTOR COMBINATIONS TABLE.

	A0119/34D A0176/34PR	A0119/34D A0176/34PR + A0120/A	A0173/31 PMMA	A0173/31 PMMA + A0178/PMMA	A0174/41 PMMA	A0174/ 41 + A0180/PMMA	A0224	A0225
35W CDM-T HCI-T								
35W CDM-T HCI-T								
70W HQI-T HCI-T CDM-T								
70W HQI-T HCI-T CDM-T								
150W HQI-T HCI-T CDM-T								
70W CDM-TT HCI-TT								
70W CDM-TT HCI-TT								
70W CDO-ET								
70W HQI-E HCI-EP								
70W HQI-E HCI-EP								
150W HQI-E								
42W Dulux-T/E Dulux-D/E PL-T								
57W Dulux-T/E								

Metal Halide lamps must be used with a toughened glass cover. (Except •HQI-E max 150W •HCI-EP "open" type protected lamps).

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Recommended.

Not recommended

ACCESSORIES

A0256	A0394	A0120	A0178-A0180

Code	Denomination	Description	Packing
14028320	A0256	Ceiling rose finished aluminium grey with galvanized steel support plate and 5x2.5mm ² terminal block.	□
14076620	A0394	4 metre galvanised steel wire suspension cable for ARCHIS 15/16.	□
14008820	A0120/AL - 34 (x A0119/34D - x A0176/34PR)	Toughened glass cover with aluminium cover clips suitable for aluminium reflectors 34D-34PR. IP40 lamp chamber.	□
14020220	A0120/AL - 34 Soft (x A0119/34D - x A0176/34PR)	Toughened glass cover with aluminium cover clips suitable for aluminium reflectors 34D-34PR. IP40 lamp chamber.	□
14005120	A0178/PMMA (x A0173/PMMA)	Acrylic cover with stainless steel ring. IP40 lamp chamber.	□
14005420	A0180/PMMA (x A0174/PMMA)	Acrylic cover with stainless steel ring. IP40 lamp chamber.	□

□ Minimum order 6 pcs. or multiple thereof.



ARCHIS 16 maxi version is part of a comprehensive range of ARCHIS (mini, midi and maxi) suspended pendants. ARCHIS are manufactured from high quality materials with a simple clean design offering a wide range of reflector distributions and styles. Suitable for commercial and retail applications, showrooms, atriums, halls and general area lighting. ARCHIS comprises three parts; (1) gear / wiring box, (2) reflector/refractors and (3) covers (optional). Each individual part has its own product number which must be ordered together to form a complete fitting.

- Gear / wiring box in aluminium finished
- Aluminium reflectors smooth or faceted.
- Refractors linear prismatic PMMA
- Frosted diffuser or clear.

- Die cast aluminium housing and gear tray finished.
 - Wiring terminal block inside aluminium housing with cable gland entry for max. Ø11mm flexible cable.
 - Supplied complete with 1.5m steel wire suspension cable.
- Aluminium ceiling rose accessory A0256.



BOX ARCHIS 16

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	150W	ME			94	I	CR			• 05139794	!
E40	150W	SE-MT-ST			94	I	CR			• 05139894	!
E40	250W	ME*			94	I	CR			• 05139994	! *For lamp HPI-BU plus
E40	250W	SE-ME-ST-MT			94	I	CR			• 05140194	!
E40	400W	SE-ME-ST			94	I	CR			• 05140494	!

! Mains supply voltage: 230V 50Hz.

Auxiliary lamp facility, not ETRC versions (max 250W B15d tungsten halogen lamp - not included). Provides instant light during run up of discharge lamp. Available on request as a factory fitted accessory when ordered with fitting. Specials available on request (emergency versions, colours options, and special voltage etc.).



REFLECTORS - REFRACTORS - DIFFUSERS

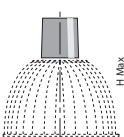
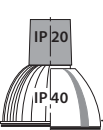
Code	Denomination	Description	Note
14441994	A0119/48D	Broad distribution reflector 48D (250-400W HID) for typical installation heights 8-10m.	■

Code	Denomination	Description	Note
14442994	A0119/48I	Narrow distribution reflector 48I (250-400W HID) for typical installation heights >10m.	■

Code	Denomination	Description	Note
14004320	A0174/PMMA	Linear prismatic clear methacrylate refractor.	□
14004520	A0175/PMMA	Downward light distribution with refracted upward light component. Complete with fixing plate finished aluminium grey.	□

■ Minimum order 10 pcs. or multiple thereof.

□ Minimum order 6 pcs. or multiple thereof.

							IK 08 8J			 max 11kg					
CLASS I		94			IP 20							 max 400W	 max 400W	 max 400W	 max 400W
Box ARCHIS 16  225 Ø200		 H Max Box ARCHIS 16 H Max Ø Max +A0119 / 48D 530 Ø480 +A0176 / 48I 530 Ø480 +A0174 / PMMA 510 Ø410 +A0175 / PMMA 580 Ø570								 PG13.5 Ø6-Ø12  H07RN-F 3x1 3x2,5mm ²					

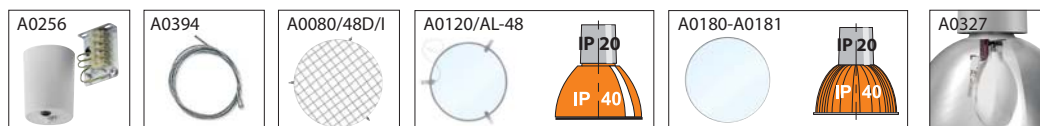
RECOMMENDED LAMP AND REFLECTOR / REFRACTOR COMBINATIONS TABLE.

	A0119/48D/48I	A0119/48D/48I + A0120/AL	A0174/41 PMMA	A0174/ 41 + A0180/PMMA	A0175/57 PMMA	A0175/57 + A0181/PMMA
150W NAV-E - SON-E						
150W HQI-E - HCI-E/P						
150W NAV-T - SON-T						
150W CDM-TT - HCI-TT						
250W NAV-E - SON-E						
250W HPI-BU plus						
250W HPI-BU/P plus						
250W HQI-E						
250W HQI-E/P						
250W NAV-T - SON-T						
250W HQI-T						
400W NAV-E - SON-E						
400W HQI-E - HPI-BU plus						
400W HQI-E/P - HPI-BU/P plus						
400W NAV-T - SON-T						

Recommended.
 Not recommended.

Metal Halide lamps must be used with a toughened glass cover.
(Except +HQI-E max 150W +HCI-EP "open" type protected lamps).

ACCESSORIES



Code	Denomination	Description	Packing
14028320	A0256	Ceiling rose finished aluminium grey with galvanized steel support plate and 5x2.5mm² terminal block.	□
14076620	A0394	4 metre galvanised steel wire suspension cable for ARCHIS 15/16.	□
14321994	A0080/48D-I	Galvanised steel wire guard, which can be used in combination with toughened glass cover. Suitable for A0119/48D-48I only.	▲
14008920	A0120/AL-48	Toughened glass cover with aluminium cover clips and nylon safety retainer. Suitable for A0119/48D-48I only.	□
14005420	A0180/PMMA (x A0174/41PMMA)	Acrylic (PMMA) cover. IP40 lamp chamber.	□
14005620	A0181/PMMA (x A0175/57PMMA)	Acrylic (PMMA) cover. IP40 lamp chamber.	□
14051920	A0327/16	Auxiliary lamp facility with B15d lamp holder for 250 tungsten halogen lamp (lamp not included) provides instant light during run up of the discharge lamp. Accessory A0327 to be ordered as separate item along with fitting for factory fitted option. Not available for fluorescent lamp versions.	□

□ Minimum order 6 pcs. or multiple thereof.

▲ Minimum order 5 pcs. or multiple thereof.



LAMA range of high bay fittings are available with a variety of lamp options and reflectors / refractors making them ideal for commercial and industrial lighting applications. LAMA comprises three parts; (1) Gear box, (2) reflector / refractor and (3) covers (optional) may be required with certain lamps and versions.

The fitting is available in two versions:

LAMA Quick – IP65 complete with fast fit plug and socket. Die cast aluminium body finished. Requires A0120 toughened safety cover glass.

LAMA 33 - IP23 die cast aluminium body finished.

LAMA 08 / 43-65 New suspended fitting available in two options: IP43 and IP65. Aluminium fabricated upper body finished polyester with technopolymer base.



BOX LAMA Quick

Lampholder W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
E40 400W	QE-ME/I*	94	I	CR					05158394	*for lamp HPI-BUS	⚠
E40 150W	SE	94	I	CR					05158194		
E40 250W	SE-ME	94	I	CR					05157094		
E40 400W	SE-ME	94	I	CR					05156994		
E40 250W	ME*	94	I	CR					05156894	*for lamp HPI-BU Plus	⚠
E40 400W	ME*	94	I	CR					05156794	*for lamp HPI-BU Plus	⚠

BOX LAMA Quick + CLA

E40 400W	QE-ME/I*	94	I	CR					05166194	*for lamp HPI-BUS	⚠
E40 150W	SE	94	I	CR					05166294		
E40 250W	SE-ME	94	I	CR					05166394		
E40 400W	SE-ME	94	I	CR					05166494		
E40 250W	ME*	94	I	CR					05166594	*for lamp HPI-BU Plus	⚠
E40 400W	ME*	94	I	CR					05166694	*for lamp HPI-BU Plus	⚠

BOX LAMA 33

E40 400W	QE-ME/I*	94	I	CR					05048594	*for lamp HPI-BUS	⚠
E40 150W	SE	94	I	CR					05048694		
E40 250W	SE-ME	94	I	CR					05048794		
E40 400W	SE-ME	94	I	CR					05048894		
E40 250W	ME*	94	I	CR					05048994	*for lamp HPI-BU Plus	⚠
E40 400W	ME*	94	I	CR					05049094	*for lamp HPI-BU Plus	⚠

BOX LAMA 08 / 43

E40 150W	SE	94	I	CR					05236594		
E40 250W	SE-ME	94	I	CR					05236694		
E40 400W	SE-ME	94	I	CR					05236294		
E40 250W	ME*	94	I	CR					05236794	*for lamp HPI-BU Plus	⚠
E40 400W	ME*	94	I	CR					05225494	*for lamp HPI-BU Plus	⚠

BOX LAMA 08 / 43 + CLA

E40 150W	SE	94	I	CR					05239594		
E40 250W	SE-ME	94	I	CR					05239794		
E40 400W	SE-ME	94	I	CR					05239994		
E40 250W	ME*	94	I	CR					05239694	*for lamp HPI-BU Plus	⚠
E40 400W	ME*	94	I	CR					05239894	*for lamp HPI-BU Plus	⚠

BOX LAMA 08 / 65

E40 150W	SE	94	I	CR					05236894		
E40 250W	SE-ME	94	I	CR					05236994		
E40 400W	SE-ME	94	I	CR					05237094		
E40 250W	ME*	94	I	CR					05237194	*for lamp HPI-BU Plus	⚠
E40 400W	ME*	94	I	CR					05237294	*for lamp HPI-BU Plus	⚠

BOX LAMA 08 / 65 + CLA

E40 150W	SE	94	I	CR					05240094		
E40 250W	SE-ME	94	I	CR					05240294		
E40 400W	SE-ME	94	I	CR					05240494		
E40 250W	ME*	94	I	CR					05240194	*for lamp HPI-BU Plus	⚠
E40 400W	ME*	94	I	CR					05240394	*for lamp HPI-BU Plus	⚠

	34D 34PR	48D 48I 48PR	41 PMMA	57 PMMA
150W SE	✓	✓	✓	✓
250W SE/ME	✓	✓	✓	✓
400W SE/ME	✗	✓	✗	✗

⚠ Metal halide lamps unsuitable for use in open fittings require toughened glass cover protection (see accessory A0120).

! For use with protected lamps only (.../Protected).

⚠ For lamps with integral ignitor.

								IK 08 9J	Box LAMA 08 IK 07 4J		max 11,3kg				Only for Box LAMA Q		
94	Box LAMA Quick CLASS I	IP 65 	Box LAMA 33 CLASS I	IP 23 	Box LAMA 08-43 CLASS I	IP 43 	Box LAMA 08-65 CLASS I	IP 65 	ME Max 400W HQL-E/D	SE Max 400W NAV-E-SON	ME Max 400W HPI-BU Plus	QE 400W HPL-N	ME/I 400W HPI-BUS				
Box LAMA Quick + 48D max 620 Max Ø500	 300 325 Ø270	 H05RN-F 3G1 3x2,5mm ²	Box LAMA 33 + 57/PC Ø260 max 665 Max Ø570	 Ø260 315	 PG11 Ø5-Ø10 H05RN-F 3G1 3x2,5mm ²	Box LAMA 08/43-65 + 48/D max 600 max Ø500	 Ø280 ~220	 M20x1,5 Ø10-Ø14 H07RN-F 3G1 3x2,5mm ²									

RIFLECTORS and REFRACTORS



Code	Denomination	Description	Packing
1440994	A0119/34D	Reflector 34D broad distribution (max 250W).	■
14004710	A0176/34PR	Reflector 34PR faceted for greater visual comfort (max 250W).	■
1441994	A0119/48D	Reflector 48D broad distribution (250 - 400W) for typical installations heights of 8-10m.	■
14053620	A0119/48PR	Reflector 48PR (250-400W) with prismatic surface, gives a diffused and comfortable light emission.	□
1442994	A0119/48I	Reflector 48I narrow distribution (250 - 400W) for typical installations heights of >10m.	■
14004320	A0174/41PMMA	Refractor Ø410mm in methacrylate (PMMA) with aluminium fixing plate painted aluminium grey.	□
14004520	A0175/57PMMA	Refractor Ø570mm in methacrylate (PMMA) with aluminium fixing plate painted aluminium grey.	□

Minimum order 10pcs. or multiple quantities thereof.

Minimum order 6pcs. or multiple quantities thereof.

ACCESSORIES



Code	Denomination	Description
14322994	A0081 / 34D-PR	Galvanized steel wire guard suitable for 34/D-PR.
14321994	A0080 / 48D-PR-I	Galvanized steel wire guard suitable for 48/D-I.
14008820	A0120 / AL-34	Toughened safety glass cover with aluminium clips and nylon safety retainer. Suitable for 34D/PR reflectors.
14008920	A0120 / AL-48	Toughened frosted glass cover with aluminium clips and nylon safety retainer. Suitable 48D/I reflectors.
14020220	A0120 / AL-34 Soft	Toughened frosted glass cover with aluminium clips and nylon safety retainer. Suitable 34 reflectors.
14089794	A0445 / 94 - 48	Toughened glass cover with ring in technopolymer, aluminium cover clips and nylon safety retainer, not suitable for use with acrylic (PMMA) refractors.
14089894	A0445 / 94 - 48 Soft	Toughened glass cover with ring in technopolymer, aluminium cover clips and nylon safety retainer, not suitable for use with acrylic (PMMA) refractors.
14010120	A0199 / 48	Dished polycarbonate cover with black technopolymer fixings. Suitable for food production facilities. (MAX 250W)
14005420	A0180 / 41PMMA	PMMA refractor covers for A0174/41-PMMA (IP43).
14005620	A0181 / 57PMMA	PMMA refractor covers for A0175/57-PMMA (IP43).
14007920	A0195 / 33	Auxiliary lamp facility with B15d lamp holder for 250 tungsten halogen lamp (lamp not included) provides instant light during run up of the discharge lamp. Factory fitted to be ordered as separate item along with fitting.
14054020	A0338/3,15A-125/150	Fused terminal block to be ordered as separate item along with the fitting. (only for Lama Quick)
14054120	A0338/6,3A-250/251/252	Fused terminal block to be ordered as separate item along with the fitting. (only for Lama Quick)
14054220	A0338/8A-400/401	Fused terminal block to be ordered as separate item along with the fitting. (only for Lama Quick)
14054320	A0338/10A-402	Fused terminal block to be ordered as separate item along with the fitting. (only for Lama Quick)
14054420	A0339 (Box LAMA Quick)	LAMA Quick plug and socket through wiring accessory kit suitable for 3x2.5mm ² cable. To be ordered as a separate item along with the fitting.
14089220	A0443 (Box Lama 08)	Through wiring facility with M20 x 1.5 anti-tearing, non-stripping cable gland and 5x2.5mm ² cable. To be ordered together with fitting for factory fitted option.

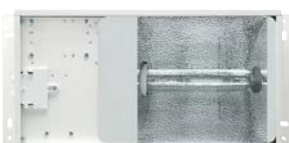


RF7 low bay fitting manufactured in sheet steel finished polyester painted light grey suitable for indoor surface mounted or suspended installations; sports halls, factories and warehouses etc. Fittings are available with or without clear toughened safety glass cover, and are provided with a choice of optics; symmetrical (S), asymmetrical (A) and symmetrical extra wide distribution (SSD) which is particularly suitable for low mounting heights. All fittings are available with strong galvanized steel wire guard accessory (A0416 - 20Joules conforming to ball impact regulations).

- Body in galvanized sheet steel finished polyester painted (other colour options available on request for additional supplement).
- Flat toughened clear safety glass (IK09) secured to body on two technopolymer hinges with quick release extruded aluminium cover fixing clips.
- Control gear and lamp holder assembly manufactured in galvanised sheet steel which hinges down for access and can be easily removed for maintenance.
- Reflectors manufactured in high purity 99.85% aluminium anodized and polished available in symmetrical (S) wide distribution or asymmetrical (A).
- Two plugged clearance holes in body end for mains cable supply. 6 x 4 mm² terminal positioned for quick and easy connection without need to open control gear housing section. Through wiring available on request.

FITTINGS WITHOUT GLASS COVER

RF7 - S Symmetrical reflector



Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST		S	85	I	CR		•	05233585	!
E40	250W	ST		S	85	I	CR		•	05224685	!
E40	400W	ST		S	85	I	CR		•	05224785	!

RF7 - SSD Extra wide beam symmetrical reflector



Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST		SSD	85	I	CR		•	05233685	!
E40	250W	ST		SSD	85	I	CR		•	05227385	!
E40	400W	ST		SSD	85	I	CR		•	05227485	!

RF7 - A Asymmetrical reflector



Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST		A	85	I	CR		•	05233485	!
E40	250W	ST		A	85	I	CR		•	05225085	!
E40	400W	ST		A	85	I	CR		•	05225185	!

! Glass cannot be retrofitted to versions without glass.



								IK 09 10J			max 13,5kg								
CLASS I		85						RF7 IP 20	RF7 / V IP 40									ST 250÷400W NAV-T SON-T	MT 250÷400W HCL-TT/HQL-T/D HPI-T Plus HQL-BT/D
		635	180	330					195	600	20	8	(4x)		Ø8,5÷Ø14,5	Max H07RN-F 3Gx2,5	6x4mm ²		

FITTINGS WITH GLASS COVER

RF7 - /V - S Symmetrical reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT	S	85	I	CR			•	05233885	
E40	250W	ST-MT	S	85	I	CR			•	05228485	
E40	400W	ST-MT	S	85	I	CR			•	05228585	
E40	250W	MT*	S	85	I	CR			•	05228685	*for lamp HPI-T Plus
E40	400W	MT*	S	85	I	CR			•	05228785	*for lamp HPI-T Plus

RF7 - /V - SSD Extra wide beam symmetrical reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT	SSD	85	I	CR			•	05233985	
E40	250W	ST-MT	SSD	85	I	CR			•	05229285	
E40	400W	ST-MT	SSD	85	I	CR			•	05229385	
E40	250W	MT*	SSD	85	I	CR			•	05229485	*for lamp HPI-T Plus
E40	400W	MT*	SSD	85	I	CR			•	05229585	*for lamp HPI-T Plus

RF7 - /V - A Asymmetrical reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT	A	85	I	CR			•	05233785	
E40	250W	ST-MT	A	85	I	CR			•	05228885	
E40	400W	ST-MT	A	85	I	CR			•	05228985	
E40	250W	MT*	A	85	I	CR			•	05229085	*for lamp HPI-T Plus
E40	400W	MT*	A	85	I	CR			•	05229185	*for lamp HPI-T Plus

ACCESSORIES

A0416		A0417		A0423		A0420		A0066	
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Code	Denomination	Colour	Description
14083320	A0416		Galvanised steel wire guard (20J) suitable for mounting, on fixing supports, in combination with toughened safety glass.
14083420	A0417		Anti-glare louvre in anodized aluminium suitable for mounting in combination with toughened safety glass. Symmetrical version only, not suitable for use with symmetrical extra wide beam or asymmetrical versions.
14084120	A0423		Supplement for factory fitted frosted glass to be ordered as a separate item along with fitting.
14083785	A0420	85	Wall / ceiling mounting bracket finished polyester painted light grey allows fitting to pivot for adjustable positioning.
14249002	A0066		Auxiliary lamp facility complete with B15d lamp holder for tungsten halogen lamp 250W max (lamp not included) provides instant light during run up of the max 250W discharge lamp until it reaches near full output at which point the internal discharge light sensor switches off the auxiliary tungsten halogen lamp source.



LF8 Flu is an adaptable range of high performance IP65 fittings, developed for linear fluorescent or HID lamps, manufactured in extruded aluminium with toughened glass covers, suitable for a variety of indoor and outdoor applications. Available in the following versions:

- LF8-FLU; suitable for T8 and T5 linear fluorescent with symmetrical and asymmetrical reflectors.
 - LF8-HB; suitable for ST-MT 100-400W HID lamps with adaptable symmetrical reflectors and options for integral emergency compact fluorescent lamp.
- Suitable for a wide range of installations up to 10m mounting heights. E.g. Factories, warehouses, storage / racking aisle, indoor sports halls and tunnel lighting.



LF8 FLU T8 / S Symmetrical reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G13	2x36W	FD		S	11	I	ETRC	A2	•	05044511	
G13	2x58W	FD		S	11	I	ETRC	A2	•	05044611	
G13	3x36W	FD		S	11	I	ETRC	A2	•	05044811	
G13	3x58W	FD		S	11	I	ETRC	A2	•	05044911	



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



LF8 FLU T5 / S Symmetrical reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G5	2x49W	FDH		S	11	I	ETRC	A2	•	05138811	
G5	2x54W	FDH		S	11	I	ETRC	A2	•	05045711	
G5	2x80W	FDH		S	11	I	ETRC	A2	•	05045811	
G5	3x49W	FDH		S	11	I	ETRC	A2	•	05138911	
G5	3x54W	FDH		S	11	I	ETRC	A2	•	05046011	
G5	3x80W	FDH		S	11	I	ETRC	A2	•	05046111	



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



L	L8-FLU T8/T5
1408	2-3x36
1708	2-3x58
1648	1-2-3x49
1348	1-2-3x54
1648	2-3x80

400÷1300mm

8,5x16
71

PG16
Ø10÷Ø14

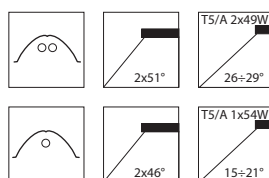
H05RN-F 3Gx1,5
3x2,5mm²

OK

NO



Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
G5	1x49W	FDH		A	11	I	ETRC	A2	•	05138611	
G5	1x54W	FDH		A	11	I	ETRC	A2	•	05046311	
G5	1x80W	FDH		A	11	I	ETRC	A2	•	05046411	
G5	2x49W	FDH		A	11	I	ETRC	A2	•	05139011	
G5	2x54W	FDH		A	11	I	ETRC	A2	•	05139211	
G5	2x80W	FDH		A	11	I	ETRC	A2	•	05139311	



 Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

A0194 - A0074
A0218

Code	Denomination	Description
14007620	A0194/4Ah-3,6V (T8-36W)	Emergency gear 1hr maintained with nickel cadmium batteries. Accessory to be ordered together with fitting for factory fitted option. Other versions available on request.
14295005	A0074/4Ah-6V (T8-58W/T5-49-54W)	Emergency gear 1hr maintained with nickel cadmium batteries. Accessory to be ordered together with fitting for factory fitted option. Other versions available on request.
14014920	A0218/4h-2x3,6V (T5-80W)	Emergency gear 1hr maintained with nickel cadmium batteries. Accessory to be ordered together with fitting for factory fitted option. Other versions available on request.
14007002	A0191/14	Protection grid in galvanized steel wire, for ceiling mounting. (For FLU-T8-36W/T5-54W).

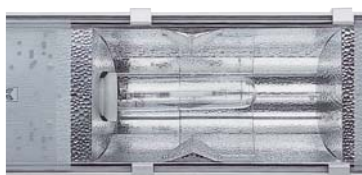
! LF8 Flu; is available on request with frosted etched glass to provide a reduced glare soft light emission. Contact our commercial department for minimum order quantities and cost supplement.





LF8 HB designed for use with metal halide and high pressure sodium HID lamps for a variety of indoor and outdoor applications e.g. factory and warehouse lighting, sports hall lighting and general area lighting. LF8 HB can be used as an alternative to the traditional high bay fitting offering similar performances in a shallow depth fitting.

Other options for voltage / frequency, and auxiliary lamp facility are available on request.

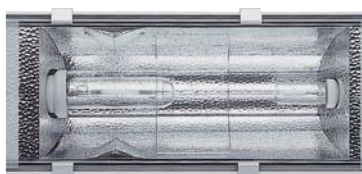


LF8 HB/S

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	100W	ST		S	11	I	CR			• 05047611	
E40	150W	ST		S	11	I	CR			• 05047711	
E40	250W	ST-MT		S	11	I	CR			• 05047811	
E40	400W	ST-MT		S	11	I	CR			• 05042211	
E40	2x250W	ST-MT		S	11	I	CR			• 05085111	!



! Other twin lamp options available on request.

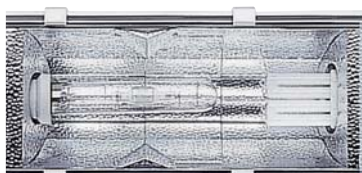


LF8 HB/S-CO Auxiliary lamp version

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	250W	ST-MT		S	11	I	CR			• 03000711	
E40	400W	ST-MT		S	11	I	CR			• 03000811	



LF8 HB-CO fittings complete with auxiliary lamp facility (max. 250W tungsten halogen E27, lamp not included) provides instant light during run up of the discharge lamp until it reaches near full output at which point the internal discharge light sensor switches off the auxiliary tungsten halogen lamp source.



LF8 HB/S-EM Emergency lamp version

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	250W	ST-MT		S	11	I	CR			• 03000311	
E40	400W	ST-MT		S	11	I	CR			• 03000411	



LF8 HB-EM fittings complete with self contained, non-maintained emergency gear, module and 4Ah-3.6V batteries, for DULUX F/18W-2G10 lamp 1hr 30% BLF (Ballast Lumen Factor).

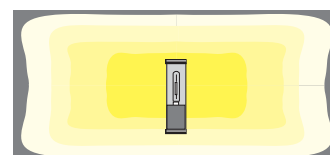
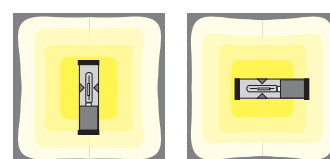
									 max 18,3kg				
CLASS I		11		IP 65								ST Max 400W NAV-T	MT Max 400W HQI-T/D

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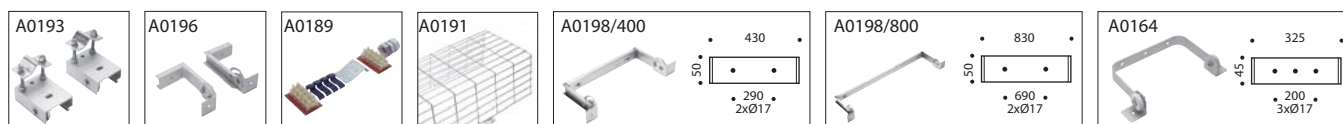
The high performance reflectors are supplied with two 'V' shaped side reflector providing a square light distribution in any orientation of the fitting.



Removal of the two 'V' Shaped side reflectors changes the light distribution to rectangular through the transverse plane. Consideration should be given to the orientation of fitting and its application.



ACCESSORIES



Code	Denomination	Description
14007411	A0193	Pair of mounting brackets with stainless steel clamps for Ø33-42mm pole / rail installation.
14008194	A0196	Pair of wall / ceiling mounting brackets, allowing fitting to pivot for adjustable positioning, finished aluminium grey.
14009320	A0198/400	400mm AISI 304 stainless steel mounting cradle for LF8 fittings length ≤ to 1016mm.
14009420	A0198/800	800mm AISI 304 stainless steel mounting cradle for LF8 fittings length ≥ 1348mm.
14002124	A0164	Steel mounting cradle finished aluminium grey for wall/ceiling mounting fittings, allows fitting to pivot for adjustable positioning, suitable for fittings length ≤ 800 mm.
14006620	A0189	Through wiring kit comprising: PG16 IP68 anti-tearing cable gland, two 5x10 mm² terminal blocks with insulated base and cable guides (cable not supplied).
14054520	A0340	Supplement for factory fitted through wiring comprising: PG16 IP68 anti-tearing cable gland, two 5x10 mm² terminal blocks with insulated base, internal cable and cable guides. To be ordered as a separate item in addition to the fitting.
14006802	A0191/9	Protection grid in galvanized steel wire, for ceiling mounting. (For FLU-18W / HB).
14006902	A0191/11	Protection grid in galvanized steel wire, for ceiling mounting. (For HB Em/FLU-T5-39W).



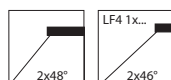
LF4 extruded aluminium robust and corrosion resistant fluorescent fitting, suitable for indoor and outdoor installations, developed for T5 or T8 linear fluorescent lamps. Ends manufactured in V0-UL94 self-extinguishing glow wire resistance tested to 850°C. Options available include through wiring for T5 lamps, polycarbonate covers, dimmable ballasts, special voltage / frequencies and mounting accessories.

- Body in extruded anodized aluminium with V0-UL94 (850°C) technopolymer ends.
- Reflectors in high purity aluminium anodised and polished.
- Toughened safety glass hinged to the body.
- Silicone gaskets.
- Extruded aluminium cover fixing clips with stainless steel springs.
- A2 stainless steel externals screws.
- Supplied complete with two AISI 316 stainless steel quick fit surface mounting brackets. Optional mounting accessories include A0076 pair of sliding adjustable heavy duty surface mounting brackets or A0077 heavy duty sliding adjustable and pivoting surface mounted bracket.



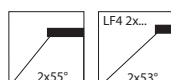
LF4 T8 1x Single lamp

Lampholder W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	L (mm)
G13	1x18W	FD	S	11	I	CR	B2	•	05673025		• 785
G13	1x36W	FD	S	11	I	CR	B2	•	05674025		• 1395
G13	1x58W	FD	S	11	I	CR	B2	•	05675025		• 1695
G13	1x18W	FD	S	11	I	ETRC	A2	•	05769025		• 785
G13	1x36W	FD	S	11	I	ETRC	A2	•	05770025		• 1395
G13	1x58W	FD	S	11	I	ETRC	A2	•	05771025		• 1695
G13	1x36W	FD	S	11	I	CRF + EM	B2	•	03000911		1395
G13	1x58W	FD	S	11	I	CRF + EM	B2	•	03001011		1695



LF4 T8 2x Twin lamp

Lampholder W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	L (mm)
G13	2x18W	FD	S	11	I	CR	B2	•	05677025		• 785
G13	2x36W	FD	S	11	I	CR	B2	•	05761025		• 1395
G13	2x58W	FD	S	11	I	CR	B2	•	05762025		• 1695
G13	2x18W	FD	S	11	I	ETRC	A2	•	05772025		• 785
G13	2x36W	FD	S	11	I	ETRC	A2	•	05773025		• 1395
G13	2x58W	FD	S	11	I	ETRC	A2	•	05774025		• 1695
G13	2x36W	FD	S	11	I	CRF + EM	B2	•	03001111		1395
G13	2x58W	FD	S	11	I	CRF + EM	B2	•	03001211		1695



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.
Specials with dimmable ballasts or low temperature versions down to -40° are available on request.

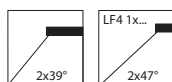
Wired HPF + fuse

Single lamp emergency 1hr, maintained, self contained, complete with electronic non dimmable ballast, emergency module and nickel cadmium batteries.

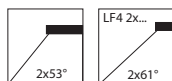




Lampholder W	Ilcos	'K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	L (mm)
G5	1x14W	FDH	S	11	I	ETRC	A2	•	05129911		785
G5	1x28W	FDH	S	11	I	ETRC	A2	•	05130011		1395
G5	1x35W	FDH	S	11	I	ETRC	A2	•	05130111		1695
G5	1x24W	FDH	S	11	I	ETRC	A2	•	05130211		785
G5	1x49W	FDH	S	11	I	ETRC	A2	•	05130311		1695
G5	1x54W	FDH	S	11	I	ETRC	A2	•	05130411		1395
G5	1x80W	FDH	S	11	I	ETRC	A2	•	05130511		1695



Lampholder	W	Ilcos	'K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	L (mm)
G5	2x14W	FDH		S	11	I	ETRC	A2	•	05130611		785
G5	2x28W	FDH		S	11	I	ETRC	A2	•	05130711		1395
G5	2x35W	FDH		S	11	I	ETRC	A2	•	05130811		1695
G5	2x24W	FDH		S	11	I	ETRC	A2	•	05130911		785
G5	2x49W	FDH		S	11	I	ETRC	A2	•	05131011		1695
G5	2x54W	FDH		S	11	I	ETRC	A2	•	05131111		1395
G5	2x80W	FDH		S	11	I	ETRC	A2	•	05131211		1695



 Complete with electronic ballast non dimmable 220~240V 50/60Hz.
Specials with dimmable ballasts or low temperature versions down to -25° are available on request.

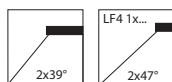




LF4/C T5 differ from standard LF4 T5 versions as they are factory fitted complete with internal cable 5x1.5 mm², two terminal blocks at either end and two cable glands, for through wiring installation.

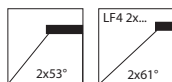
LF4/C T5 1x Through wiring version

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0.9	Code	Notes	L (mm)
G5	1x14W	FDH	S	11	I	ETRC	A2	•		05131311		785
G5	1x28W	FDH	S	11	I	ETRC	A2	•		05131411		1395
G5	1x35W	FDH	S	11	I	ETRC	A2	•		05131511		1695
G5	1x24W	FDH	S	11	I	ETRC	A2	•		05131611		785
G5	1x49W	FDH	S	11	I	ETRC	A2	•		05131711		1695
G5	1x54W	FDH	S	11	I	ETRC	A2	•		05131811		1395
G5	1x80W	FDH	S	11	I	ETRC	A2	•		05131911		1695



LF4/C T5 2x Through wiring version

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0.9	Code	Notes	L (mm)
G5	2x14W	FDH	S	11	I	ETRC	A2	•		05132011		785
G5	2x28W	FDH	S	11	I	ETRC	A2	•		05132111		1395
G5	2x35W	FDH	S	11	I	ETRC	A2	•		05132211		1695
G5	2x24W	FDH	S	11	I	ETRC	A2	•		05132311		785
G5	2x49W	FDH	S	11	I	ETRC	A2	•		05132411		1695
G5	2x54W	FDH	S	11	I	ETRC	A2	•		05132511		1395
G5	2x80W	FDH	S	11	I	ETRC	A2	•		05132611		1695



Complete with electronic ballast non dimmable 220÷240V 50/60Hz. Specials with dimmable ballasts or low temperature versions down to -25° are available on request.



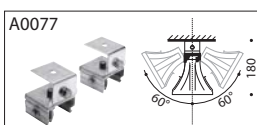
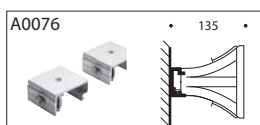
LF4/PC (Polycarbonate cover IP 65)

All LF4 fittings are available with UV stabilized clear polycarbonate IP65 cover, on request, as an alternative to the standard glass cover. The polycarbonate cover is ideal for food industry applications or installations where glass breakage may occur. To order LF4 with polycarbonate cover accessory A0289 - PC, the appropriate accessory number corresponding with the fitting, should be ordered as a separate item along with the fitting. See table below.

14044320 A0289/18	05673025	LF4 T8	118	CR	05677025	LF4 T8	218
	05769025	LF4 T8	118	ETRC	05772025	LF4 T8	218 ETRC
14044420 A0289/36	05674025	LF4 T8	136	CR	05761025	LF4 T8	236 CR
	05770025	LF4 T8	136	ETRC	05773025	LF4 T8	236 ETRC
	03000911	LF4 T8	EM 136	CRF	03001111	LF4 T8	EM 236 CRF
14044520 A0289/58	05675025	LF4 T8	158	CR	05762025	LF4 T8	258 CR
	05771025	LF4 T8	158	ETRC	05774025	LF4 T8	258 ETRC
	03001011	LF4 T8	EM 158	CRF	03001211	LF4 T8	EM 258 CRF
14046420 A0289/14-24	05129911	LF4 T8	114	ETRC	05130611	LF4 T5	214 ETRC
	05130211	LF4 T8	124	ETRC	05130911	LF4 T5	224 ETRC
14046520 A0289/28-54	05130011	LF4 T5	128	ETRC	05130711	LF4 T5	228 ETRC
	05130411	LF4 T5	154	ETRC	05131111	LF4 T5	254 ETRC
14046620 A0289/35-49-80	05130111	LF4 T5	135	ETRC	05130811	LF4 T5	235 ETRC
	05130311	LF4 T5	149	ETRC	05131011	LF4 T5	249 ETRC
	05130511	LF4 T5	180	ETRC	05131211	LF4 T5	280 ETRC

[illegible]

ACCESSORIES



Code	Denomination	Description
14296005	A0076	Pair of sliding adjustable heavy duty surface mounting brackets as an optional alternative to standard brackets.
14297005	A0077	Pair of sliding adjustable and pivoting heavy duty surface mounting brackets as an optional alternative to standard brackets.
14007620	A0194/4Ah-3,6V (T8-18W-36W/T5-28W)	In addition to the emergency fittings, other single lamp emergency options are available for LF4 with 1hr maintained, self contained and nickel cadmium batteries. Other options available on request.
14295005	A0074/4Ah-6V (T8-58W/T5-35-49-54W)	In addition to the emergency fittings, other single lamp emergency options are available for LF4 with 1hr maintained, self contained and nickel cadmium batteries. Other options available on request.
14014920	A0218/4h-2x3,6V (T5-80W)	In addition to the emergency fittings, other single lamp emergency options are available for LF4 with 1hr maintained, self contained and nickel cadmium batteries. Other options available on request.





NORMA is a range of weather resistant and corrosion proof IP65 fittings suitable for low to medium height mounting in industrial applications; warehouses, storerooms, passages and corridors etc. Body and cover manufactured from impact resistant polycarbonate. A wide selection of lamp options to satisfy a variety of applications:

- T8 & T5 lamp versions.
- Conventional magnetic control gear suitable for 230V / 50Hz supply (other voltages and frequencies available on request). Electronic control gear suitable for 220-240V, 50/60Hz supply.
- Class I and class II versions.
- Emergency versions.

Suitable for indoor and outdoor applications in areas not exposed to severe weather conditions; under-canopy, subways, underpasses, multi-storey parking etc.

- Body in polycarbonate, light grey RAL 7035 with directly injected polyurethane foam gasket.
- Diffuser in transparent polycarbonate, UV resistant, with prismatic interior.
- Body and diffuser in self-extinguishing V2
- UL94 and resistant to the incandescent filament at 850°C.
- Stainless steel clips
- Quick fix stainless steel ceiling brackets.
- Reflector manufactured in sheet steel finished in non-yellowing white paint.
- Standard wiring - 230V~50Hz c/w capacitor in parallel $\cos\phi \geq 0,9$.



NORMA - T8 1x

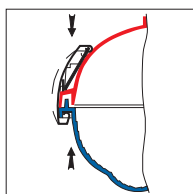
Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL =	Cap ≥ 0,9	Code	Notes
G13	1x18W	FD		S	90	I	CR	B2	•	05019302	
G13	1x36W	FD		S	90	I	CR	B2	•	05019402	
G13	1x58W	FD		S	90	I	CR	B2	•	05019502	
G13	1x18W	FD		S	90	I	ETRC	A2	•	05013102	
G13	1x36W	FD		S	90	I	ETRC	A2	•	05013202	
G13	1x58W	FD		S	90	I	ETRC	A2	•	05013302	
G13	1x18W	FD		S	90	II	ETRC	A2	•	05331090	
G13	1x36W	FD		S	90	II	ETRC	A2	•	05331190	
G13	1x58W	FD		S	90	II	ETRC	A2	•	05331290	
G13	1x36W	FD		S	90	I	ETRC + EM	A2	•	05024802	
G13	1x58W	FD		S	90	I	ETRC + EM	A2	•	05024902	

NORMA - T8 2x

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL =	Cap ≥ 0,9	Code	Notes
G13	2x18W	FD		S	90	I	CR	B2	•	05019602	
G13	2x36W	FD		S	90	I	CR	B2	•	05019702	
G13	2x58W	FD		S	90	I	CR	B2	•	05019802	
G13	2x18W	FD		S	90	I	ETRC	A2	•	05013402	
G13	2x36W	FD		S	90	I	ETRC	A2	•	05013502	
G13	2x58W	FD		S	90	I	ETRC	A2	•	05013602	
G13	2x18W	FD		S	90	II	ETRC	A2	•	05331390	
G13	2x36W	FD		S	90	II	ETRC	A2	•	05331490	
G13	2x58W	FD		S	90	II	ETRC	A2	•	05331590	
G13	2x36W	FD		S	90	I	ETRC + EM	A2	•	05025002	
G13	2x58W	FD		S	90	I	ETRC + EM	A2	•	05025102	

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

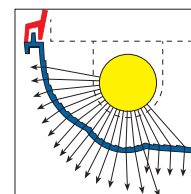
Single lamp emergency 1hr, maintained, self contained, complete with electronic non dimmable ballast, emergency module and nickel cadmium batteries.



The stainless steel clip, functioning as a spring, maintains constant pressure on the joint.



Supply access from top through premoulded knockout.



Diffuser with internal prism.

				<table><thead><tr><th></th><th>w</th><th>A mm</th><th>B mm</th><th>L mm</th></tr></thead><tbody><tr><td rowspan="3">1X</td><td>18</td><td>105</td><td>102</td><td>330 675</td></tr><tr><td>36-28-54</td><td>102</td><td>800</td><td>1285</td></tr><tr><td>35-49-58-80</td><td>860</td><td>1585</td><td></td></tr><tr><td rowspan="3">2X</td><td>18</td><td>155</td><td>102</td><td>330 675</td></tr><tr><td>28-36</td><td>105</td><td>800</td><td>1285</td></tr><tr><td>35-49-58</td><td>860</td><td>1585</td><td></td></tr></tbody></table>			w	A mm	B mm	L mm	1X	18	105	102	330 675	36-28-54	102	800	1285	35-49-58-80	860	1585		2X	18	155	102	330 675	28-36	105	800	1285	35-49-58	860	1585				 PG13,5 Ø9=Ø11 H05RN-F 3Gx1 3x2,5mm²		 OK		 NO		 NO	
	w	A mm	B mm	L mm																																										
1X	18	105	102	330 675																																										
	36-28-54	102	800	1285																																										
	35-49-58-80	860	1585																																											
2X	18	155	102	330 675																																										
	28-36	105	800	1285																																										
	35-49-58	860	1585																																											

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
G5	1x28W	FDH	S	90	I	ETRC	A2	•		05331690	
G5	1x35W	FDH	S	90	I	ETRC	A2	•		05331790	
G5	1x49W	FDH	S	90	I	ETRC	A2	•		05332090	
G5	1x54W	FDH	S	90	I	ETRC	A2	•		05332190	
G5	1x80W	FDH	S	90	I	ETRC	A2	•		05332290	

Lampholder	W	Ilcos	'K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G5	2x28W	FDH		S	90	I	ETRC	A2	•	05331890	
G5	2x35W	FDH		S	90	I	ETRC	A2	•	05331990	
G5	2x49W	FDH		S	90	I	ETRC	A2	•	05332390	

Code	Denomination	Description
14430995	A0116 / 36-28-54W	Galvanized steel protection grills, to be fixed on ceiling.
14431995	A0116 / 58-35-49-80W	Galvanized steel protection grills, to be fixed on ceiling.
14433995	A0117 / 18W	Wiring for connection in series. The accessory is factory installed on request.
14434995	A0117 / 36W	Wiring for connection in series. The accessory is factory installed on request.
14435995	A0117 / 58W	Wiring for connection in series. The accessory is factory installed on request.
14003620	A0172	Terminal with fuse (to be ordered with fitting).



IKE is a range of moisture and dust proof IP65 fittings suitable for low to medium mounting height installations e.g. industrial buildings, factories and warehouses, dusty and moist environments, or for exterior use in areas not exposed to severe weather conditions, such as under canopy installations, car ports, subways and multi-storey car parks etc..

- Body in polycarbonate light grey colour, auto extinguishing V2 UL94 and 850°C glow wire test resistant, with injected polyurethane double gasket.
- Cover in clear UV stabilized polycarbonate, auto extinguishing V2 UL94 and 850°C glow wire test resistant, internally prismatic with smooth external surface
- AISI 304 stainless steel fast fit brackets for ceiling / suspended installation.
- Internal reflector pre-painted white anti-oxidising steel.
- Standard mains supply wired 230V / 50Hz, other voltages available on request, with capacitor in parallel $\cos\phi \geq 0.9$

Available models for dimmable electronic ballast, fuses, other voltage / frequencies are available on request.



IKE - T8 1x

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Code	Notes	
G13	1x18W	FD		S	90	I	CR	B2	• 05220890	•	
G13	1x36W	FD		S	90	I	CR	B2	• 05220990	•	
G13	1x58W	FD		S	90	I	CR	B2	• 05221090	•	
G13	1x18W	FD		S	90	I	ETRC	A2	• 05221490	•	
G13	1x36W	FD		S	90	I	ETRC	A2	• 05221590	•	
G13	1x58W	FD		S	90	I	ETRC	A2	• 05221690	•	
G13	1x18W	FD		S	90	II	ETRC	A2	• 05227790	•	
G13	1x36W	FD		S	90	II	ETRC	A2	• 05227890	•	
G13	1x58W	FD		S	90	II	ETRC	A2	• 05227990	•	
G13	1x36W	FD		S	90	I	ETRC + EM	A2	• 05222090	•	
G13	1x58W	FD		S	90	I	ETRC + EM	A2	• 05222190	•	



IKE - T8 2x

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Code	Notes	
G13	2x18W	FD		S	90	I	CR	B2	• 05221190	•	
G13	2x36W	FD		S	90	I	CR	B2	• 05221290	•	
G13	2x58W	FD		S	90	I	CR	B2	• 05221390	•	
G13	2x18W	FD		S	90	I	ETRC	A2	• 05221790	•	
G13	2x36W	FD		S	90	I	ETRC	A2	• 05221890	•	
G13	2x58W	FD		S	90	I	ETRC	A2	• 05221990	•	
G13	2x18W	FD		S	90	II	ETRC	A2	• 05228090	•	
G13	2x36W	FD		S	90	II	ETRC	A2	• 05228190	•	
G13	2x58W	FD		S	90	II	ETRC	A2	• 05228290	•	
G13	2x36W	FD		S	90	I	ETRC + EM	A2	• 05222290	•	
G13	2x58W	FD		S	90	I	ETRC + EM	A2	• 05222390	•	



• Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

1 Single lamp emergency 1hr, maintained, self contained, complete with electronic non dimmable ballast, emergency module and nickel cadmium batteries.



Pair of fast fit strong AISI 304 stainless steel brackets for ceiling mounted or suspended installation.



Technopolymer wide dimension cover clips distribute the loading force for a good seal and ease of operation (6x18W, 10x36W and 12x58W). Clips are lockable using anti-tamper screw accessory (A0412).



Pre-moulded knockout clearance hole in back of body for gland / cable entry.

				IK 09 12J				
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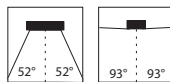
CLASS I		CLASS II		90	IP 65		FDH 14÷35W LUMILUX FH MASTER TL5	FDH 24÷80W LUMILUX FQ MASTER TL5	FD 18÷58W LUMILUX TL-D
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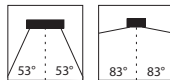
IKE - T5 1x

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
G5	1x14W	FDH	S	90	I	ETRC	A2	•	•	05223090		•
G5	1x28W	FDH	S	90	I	ETRC	A2	•	•	05223190		•
G5	1x35W	FDH	S	90	I	ETRC	A2	•	•	05223290		•
G5	1x24W	FDH	S	90	I	ETRC	A2	•	•	05223990		•
G5	1x49W	FDH	S	90	I	ETRC	A2	•	•	05224190		•
G5	1x54W	FDH	S	90	I	ETRC	A2	•	•	05224090		•
G5	1x80W	FDH	S	90	I	ETRC	A2	•	•	05224290		•



IKE - T5 2x

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
G5	2x14W	FDH	S	90	I	ETRC	A2	•	•	05223390		•
G5	2x28W	FDH	S	90	I	ETRC	A2	•	•	05223490		•
G5	2x35W	FDH	S	90	I	ETRC	A2	•	•	05223590		•



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

THROUGH WIRING

Available upon request complete with two cable glands (5x2.5mm²) subject to minimum order quantities and cost supplement. See diagram below.

W	1x 18	1x 36	1x 58	1x 14	1x 24	1x 28	1x 35	1x 49	1x 54	1x 80	2x 18	2x 36	2x 58	2x 14	2x 28	2x 35
	75	50	32	90	78	55	40	27	33	24	44	25	16	62	32	26
D max (m)	60	70	65	70	60	80	80	55	64	50	50	55	50	55	60	60

ACCESSORIES



Code	Denomination	Description
14430995	A0116 / 36-28-54W	Galvanized steel protection grills, to be fixed on ceiling.
14431995	A0116 / 58-35-49-80W	Galvanized steel protection grills, to be fixed on ceiling.
14082920	A0412	Set of 60 anti-tamper stainless steel self-threading screws.



MYRA 12 street lighting fitting for pole top or side entry mounting with high performance optics suitable for street lighting, side roads and residential lighting.

Complete with a full "cut-off" reflector for precise control providing a lighting solution in accordance with the relevant standards for zero upward light pollution.

Myra 12 is available with the following cover options:

MYRA 12/PMMA - methacrylate cover.

MYRA 12/V - flat safety glass (17J) cover.

- Die cast aluminium pole clamp finished light grey for pole top and side arm installations, suitable for Ø42-60mm poles.
- Stainless steel pole fixing bolt.
- Body in light grey technopolymer.
- Removable easy access control gear tray and lampholder assembly
- Quick release aluminium cover clips.
- Cover hinges to body for easy maintenance.
- Reflector in high purity aluminium anodised and polished. External surface finished polyester powder coated light grey.
- Anti-ageing dual foam silicone gasket, factory injection direct to glass.



MYRA 12/V

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	80÷125W	QE		SR	90	II	CR		•	05055990	
E27	70W	SE/I		SR	90	II	CR		•	05056090	⚠
E27	70W	ST-MT		SR	90	II	CR		•	05082390	
E40	100W	SE-ST-MT		SR	90	II	CR		•	05056190	
E40	150W	SE-ST-MT		SR	90	II	CR		•	05056290	
E40	250W	QE		SR	90	II	CR		•	05056390	
E40	250W	SE-ST-MT		SR	90	II	CR		•	05056490	
GX24q-4	42W	FSM	4000°	SR	90	II	ETRC	A2	•	05058890	⚡
2G11	2x18W	FSD	4000°	SR	90	II	CR	B2	•	05059190	
E27	70W	SE/I		SR	90	II	CRL		•	07013890	💡
E40	100W	ST		SR	90	II	CRL		•	07013990	💡
E40	150W	ST		SR	90	II	CRL		•	07014090	💡
E40	250W	ST		SR	90	II	CRL		•	07014190	💡



⚡ Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

⚠ For lamps with integral ignitor.

💡 Fittings supplied complete with lamp.

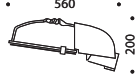
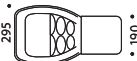
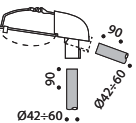


MYRA 12/PMMA

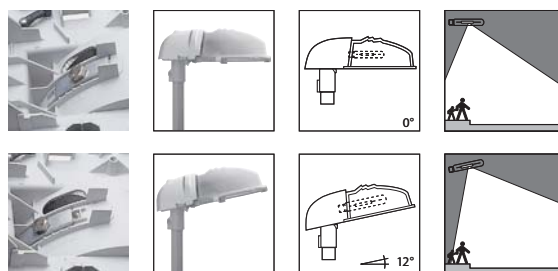
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	80÷125W	QE		SR	90	II	CR		•	05050399	
E27	70W	SE/I		SR	90	II	CR		•	05050099	⚠
E27	70W	ST-MT		SR	90	II	CR		•	05052690	
E40	100W	SE-ST-MT		SR	90	II	CR		•	05050199	
E40	150W	SE-ST-MT		SR	90	II	CR		•	05050299	



⚠ For lamps with integral ignitor.

								 max 6,8kg					
CLASS II		90					 FSD 18W DULUX L PL-L	 FSMH 42W DULUX T/E PL-T	 SE/I max 70W NAV-E/I SON/I	 QE max 250W HQL HPL-N	 SE max 250W NAV-E SON	 ST max 250W NAV-T SON-T	 MT max 250W CDO-TT HQI-T/D
 530 300	 560 200	 295 190				 H05RN-F 2x1 2x4mm²		 90° Ø42±60 Ø42±60					

Fitting adjustable from horizontal (parallel to ground) 0° to +12°.



The innovative "V" shape facets produce a very high performance with high visual comfort complying with CIE 31 norms.



ACCESSORIES



Code	Denomination	Colour	Description	Packing
14006320	A0188		Plug and socket terminal factory fitted on request.	
14152017	A0042	90	Wall angled bracket in hot dipped galvanized steel, cataphoresis and finished polyester painted light grey.	

■ Minimum order 10 pcs. or multiple quantities thereof.



LYRA 11 street lighting fittings are manufactured in UV stabilised technopolymer providing a high mechanical strength and corrosion resistance. With a full cut-off reflector for zero upward light pollution, LYRA 11 is suitable for local and side street road lighting, minor roads, residential estates, commercial and industrial complexes. Pole top and side entry mounting suitable for straight arms Ø60-76mm or curved arms Ø42-60mm externally adjustable 0° to +20°.

- Polyamide body and cover light grey.
- Automatic isolating switch, on cover removal.
- Die cast aluminium pole clamp finished light grey with stainless steel locking screw, suitable for Ø42-76mm poles.
- Quick hand release gear tray, no tools required. 2x2.5mm² terminal block.
- Reflector in polished and anodized aluminium. IP66 optical compartment.
- Toughened clear safety glass, also available in frosted (etched) glass. Silicone gasket factory injection bonded direct to glass.
- Quick and easy re-lamping.
- Stainless steel external screws.

LYRA 11

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	80÷125W	QE		SR	90	II	CR			• 05145990	
E27	70W	SE/I		SR	90	II	CR			• 05146090	



For lamps with integral ignitor.



LYRA 11

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	70W	ST-MT		SR	90	II	CR			• 05146190	
E40	100W	ST-MT		SR	90	II	CR			• 05146290	
E40	150W	ST-MT		SR	90	II	CR			• 05146390	
E40	250W	ST-MT		SR	90	II	CR			• 05149490	



LYRA 11 - power reduction (PR)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	100/70W	ST		SR	90	II	CR			• 05240890	
E40	150/95W	ST		SR	90	II	CR			• 05243290	
E40	250/125W	ST		SR	90	II	CR			• 05234090	

Automatic power reduction

The fitting is equipped with a bi-powered ballast and an automatic converter which permits the automatic change-over in order to reduce the luminous flux without using control cables. The use of these products allows to have an installation with power reduction without supplemental cables, and is therefore a good solution as well for already existing lighting installations. If the installation is controlled by a crepuscular switch, according to its ignition and its switching off, the converter calculates automatically midnight in order to program the change-over to power reduction.

All fittings are available, on request, with dual-power ballast and switching device. Fittings with photocell available on request.



								IK 08 5J								
CLASS II		90											QE 80÷125W HQL / HPL-N	SE 70W NAV-E/L SON-I	ST max 250W NAV-T SON-T	MT max 250W CDO-TT HQL-T/D

ACCESSORIES

A0042 		A0248
------------------	--	------------------

Code	Denomination	Colour Description	Packing
14152017	A0042	90 Wall mounting bracket in hot dipped galvanized steel, cataphoresis and polyester painted light grey.	■
14025220	A0247 /70W	90 Supplement for factory fitted timed ignitor for ST and SD lamps , to be ordered as a separate item along with fitting, according to specific lamp version.	
14015020	A0219 /100÷250W	Supplement for factory fitted timed ignitor for ST and SD lamps , to be ordered as a separate item along with fitting, according to specific lamp version.	
14025520	A0248 /3,15A 125-150	Fuse holder complete with fuse, to be ordered together with fitting.	
14025320	A0248 /2A 70-72	Fuse holder complete with fuse, to be ordered together with fitting.	
14025420	A0248 /2,5A 100	Fuse holder complete with fuse, to be ordered together with fitting.	
14025620	A0248 /6,3A 252	Fuse holder complete with fuse, to be ordered together with fitting.	

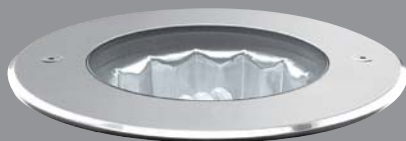
■ Minimum order 10 pcs. or multiple quantities thereof.





CRICKET 168+ 168+ compact

design Silvia Paola Pennacchio



CRICKET 168+ is a family of small-sized luminaires that can be driven over, round in shape for recessed installation in the ground and in cement.

They are available in two versions:

- CRICKET 168+ developed vertically and designed primarily for ground installation,
- CRICKET 168+ compact developed horizontally and extremely thin (max depth 170 mm), with particular application in floor slabs and in all those installations where it is not possible to install deep down.

Cricket 168+ and Cricket 168+ compact are available in two versions:

- Cricket 168+/AL (96) or Cricket 168+ compact/AL (96) with grey sabbé painted aluminium ring (96) and flat glass.
- Cricket 168+/I (04) - Cricket 168+ compact/I (04) with ring covered in AISI 316 stainless steel and flat glass.

Cricket 168+ and Cricket 168+ compact are characterised by:

- wide range of light sources, including LEDs,
- narrow beam, wide beam and asymmetric/wall-washer reflectors,
- vertical adjustment of the lamp/reflector assembly,
- low glass temperatures (according to the models),

- technopolymer pit, resistant to the stresses of the ground,
- reinforced and heat-stabilised technopolymer (Cricket 168+) or die-cast aluminium fitting, anodised and painted with a protective polyester powder paint (Cricket 168+ compact),
- printed and tempered safety glass (IK 09 - 16 Joules)
- anti-ageing silicone gasket, providing high elastic return ability, designed to ensure the IP 67 protection rating over time (Cricket 168+), or gasket made from EPDM, providing high elastic return ability, designed to ensure the IP 67 protection rating over time (Cricket 168+ compact),
- die-cast aluminium frame (Cricket 168+ / AL) or frame covered with AISI 316 stainless steel (Cricket 168+ / I),
- high performance circular reflectors made using very pure aluminium (99.85%), polished and anodised
- separate connection box, IP68 with resin-covered cable that guarantees watertightness in all conditions,
- power supply 230V/50Hz, 220=240V 50/60Hz other voltages available on request,
- stainless steel external screws,
- horizontal adjustability of the luminaire at 360°,
- ensures safe, problem-free installation even when the pit is not flush to the ground.



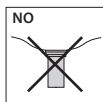
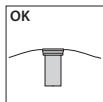
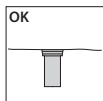
CRICKET 168+ luminaires are fitted with the "Water Stop" system. This consists of a separate connection box, designed to prevent moisture and condensation from being sucked inside the light fittings in particular thermal and installation conditions. This system therefore preserves the electrical components, with evident positive effects on safety, reliability longevity and safety of the luminaires.

WATER DRAIN

The Cricket 168+ compact models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe.

Quick!

QUICK models make very fast installation possible. Supplied with a light source that is already installed and the water-stop device, there is no need to open the fittings to perform the installation on the ground.

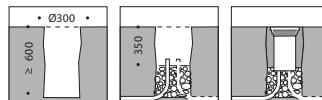


INSTALLATION

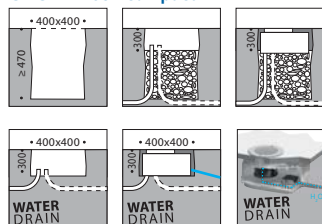
CRICKET 168+ recessed in-ground fittings may be subjected to heavy loads and impact from pedestrians and motor vehicles during operation. To ensure optimum performance and safety it is important that they are correctly installed by a suitably qualified person, in strict accordance with the manufacturers installation instructions. Fittings must not be installed in a hollow or submerged underwater and must be provided with proper drainage by means of a ≥ 30 cm bed of gravel or a drainpipe. The Cricket 168+ models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe (Water Drain).

When installing fittings within public access it is advisable to be aware of the glass surface temperature indicated ($T_{max} \text{ } ^\circ\text{C}$, values indicated are based on norm 230V at 25°C) and confirm measurements at rated voltage are in accordance with national and local standards.

CRICKET 168+

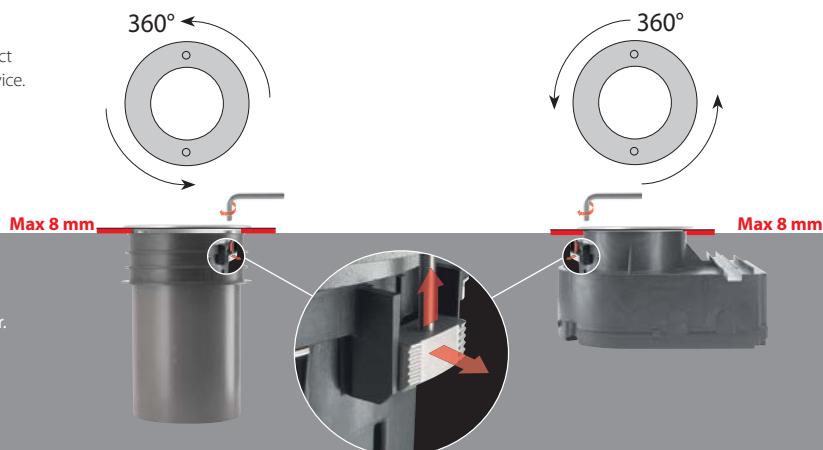


CRICKET 168+ compact



INSTALLATION SYSTEM

All fittings of the CRICKET 168+ and 168+ compact luminaires are equipped with an "easy-adjust" device. They can, therefore, be rotated freely, even after installation, regardless of the position of the pit.



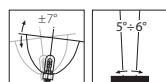
All the outer casings of the compact models are supplied complete with shaped steel bars shaped to ensure that they can be driven over.

								IK 09 16J			max 3,2kg										
CLASS II		96	04	IP 67														MT 20W HCI-TC	MT Max 20W HCI-TF	HMGS Max 50W B15D	FSQ 10W DULUX-D/ PLC-4PIN
																		 Max 30Km/h Max 6.000Kg	 Max 2000Kg 5 kN 50 Nm		



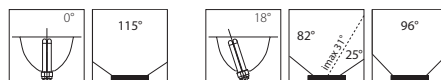
CRICKET 168+ /C Circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	Tmax °C
G8,5	20W	MD		C	96	II	ETRC			• 05238096		80°
G8,5	20W	MD		C	04	II	ETRC			• 05292004		80°
GU6,5	20W	MT		C	96	II	ETRC			• 05317796		80°
GU6,5	20W	MT		C	04	II	ETRC			• 05317804		80°



CRICKET 168+ /C EW Circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	Tmax °C
G24q-1	10W	FSQ		C EW	96	II	ETRC	A2		• 05238696		52°
G24q-1	10W	FSQ		C EW	04	II	ETRC	A2		• 05292404		52°



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

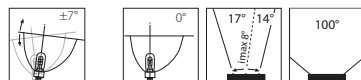
Models with adjustable lamp position or reflector position.

Version with lamp position a 0° o 18°.



CRICKET 168+ /A Orientable asymmetric

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	Tmax °C
G8,5	20W	MD		A	96	II	ETRC			• 05238296		78°
G8,5	20W	MD		A	04	II	ETRC			• 05292204		78°
GU6,5	20W	MT		A	96	II	ETRC			• 05317996		78°
GU6,5	20W	MT		A	04	II	ETRC			• 05318004		78°



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position.



CRICKET 168+

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	Tmax °C
B15d	50W	HMGS			96	II	T			• 05238896		175°
B15d	50W	HMGS			04	II	T			• 05292604		175°



With tranformer 230V/12V.

Models with adjustable lamp position or reflector position.

CRICKET 168+ compact

								IK 09 16J			max 3,2kg				
CLASS I		96	04	IP 67										MT Max 20W HCl-TF	HRG 50W GU10



CRICKET 168+ / compact/ C

Lampholder	W	lcas	*K	Optic	Colour	Class	Wiring	EEL =	Cosp	Code	Notes	Tmax °C
GU6,5	20W	MT		C	96	I	ETRC	•	05346196			80°
GU6,5	20W	MT		C	04	I	ETRC	•	05346304			80°
GU10	Max 50W	HRG			96	I	C	•	05346596			100°
GU10	Max 50W	HRG			04	I	C	•	05346604			100°



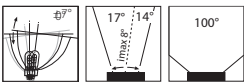
Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position.



CRICKET 168+ / compact/ A

Lampholder	W	lcas	*K	Optic	Colour	Class	Wiring	EEL =	Cosp	Code	Notes	Tmax °C
GU6,5	20W	MT		A	96	I	ETRC	•	05346296			80°
GU6,5	20W	MT		A	04	I	ETRC	•	05346404			80°



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position.



ACCESSORIES



Code	Denomination	Description
14090720	A0450 AL	Frosted glass suitable for achieving more diffuse or less intense lighting. For aluminium frames (AL) only.
14122820	A0450 I	Frosted glass suitable for achieving more diffuse or less intense lighting. For stainless steel frames (I) only.
14090820	A0451 AL	Supplement for frosted glass. For aluminium frames (AL) only.
14122920	A0451 I	Supplement for frosted glass. For stainless steel frames (I) only.
14090920	A0452 AL/I	Low-emission filter to reduce glass temperature. For G8.5 and GU6.5 lamps only.
14091020	A0453 AL/I	Prismatic glass. For G8.5 - GU6.5 lamps only.
14091420	A0454/BL AL	BLUE dichroic glass, for use with the A0455 accessory. For circular lenses (C) with aluminium frames (AL) and G8.5-GU6.5 lamps only.
14123420	A0454/BL I	BLUE dichroic glass, for use with the A0455 accessory. For circular lenses (C) with stainless steel frames (I) and G8.5-GU6.5 lamps only.
14091220	A0454/G AL	YELLOW dichroic glass, for use with the A0455 accessory. For circular lenses (C) with aluminium frames (AL) and G8.5-GU6.5 lamps only.
14123220	A0454/G I	YELLOW dichroic glass, for use with the A0455 accessory. For circular lenses (C) with stainless steel frames (I) and G8.5-GU6.5 lamps only.
14091120	A0454/R AL	RED dichroic glass, for use with the A0455 accessory. For circular lenses (C) with aluminium frames (AL) and G8.5-GU6.5 lamps only.
14123120	A0454/R I	RED dichroic glass, for use with the A0455 accessory. For circular lenses (C) with stainless steel frames (I) and G8.5-GU6.5 lamps only.
14091320	A0454/V AL	GREEN dichroic glass, for use with the A0455 accessory. For circular lenses (C) with aluminium frames (AL) and G8.5-GU6.5 lamps only.
14123320	A0454/V I	GREEN dichroic glass, for use with the A0455 accessory. For circular lenses (C) with stainless steel frames (I) and G8.5-GU6.5 lamps only.
14091512	A0455/C AL/I	Aluminium light shield, inside the luminaire, to define the light beam and reduce glare. For circular models (C) with G8.5-GU6.5 lamps only (not compatible with A0456).
14091612	A0456/C AL/I	Aluminium louver, inside the luminaire, to reduce glare. For circular models (C) with G8.5-GU6.5 lamps only (not compatible with A0455).
14091712	A0457/A AL/I	Aluminium light shield, inside the luminaire, to reduce glare. For asymmetrical lenses (A) only.
14091820	A0458/C-Fluo AL/I	Aluminium light shield, inside the luminaire, to reduce glare. For circular lenses (C) with G24q-1 lamp only.
14018320	A0235	H07RN-F 2x2.5 mm ² rubber cable supplied and sold in 1 metre units. For Cricket 168+ only.
14150420	A0593	H07RN-F 3G1.5 mm ² rubber cable supplied and sold in 1 metre units. For Cricket 168+ compact only.

CRICKET 168+ LED

								IK 09			max 2,8kg						
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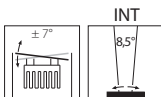
CLASS II		Led RGB CLASS III		96	04	IP 67										Led 6x1W	Led RGB 3x3,3W
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• 275  • 270 • 5 • Ø190 	 • 100m Max • <table><thead><tr><th>H07RN-F</th><th>LED HP</th><th>LED HP-RGB</th></tr></thead><tbody><tr><td>2x1,5mm²</td><td>n°60</td><td></td></tr><tr><td>2x2,5mm²</td><td></td><td>*</td></tr></tbody></table>	H07RN-F	LED HP	LED HP-RGB	2x1,5mm ²	n°60		2x2,5mm ²		*	 Ø6÷Ø10 H07RN-F 2x1,5 H07RN-F 2x2,5  2x2,5mm²	Led RGB  Ø6÷Ø10 S05RN-F 3x1  3x1,5mm²	 Max 30Km/h Max 6.000Kg	 Max 2000Kg 5 kN 50 Nm
H07RN-F	LED HP	LED HP-RGB												
2x1,5mm ²	n°60													
2x2,5mm ²		*												



CRICKET 168+ / LED HP / C INT Beam reflector

Lampholder	W	Icos	"K	Optic	Colour	Class	Wiring	EELI =	Cosp	Code	Notes	Tmax °C
n.6 led 350mA DC	6,6W	○ 6.000°	C INT	96	II	ETRC		≥ 0,9		06015296		41°
n.6 led 350mA DC	6,6W	○ 6.000°	C INT	04	II	ETRC				06017704		41°
n.6 led 350mA DC	6,6W	○ 3.000°	C INT	96	II	ETRC				06015396		40°
n.6 led 350mA DC	6,6W	○ 3.000°	C INT	04	II	ETRC				06017804		40°



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

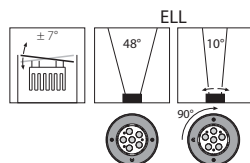
Supplied with a light source that is already installed and the water-stop device.

Models with adjustable lamp position or reflector position.



CRICKET 168+ / LED HP / ELL Elliptical

n.6 led 350mA DC	6,6W	○ 6.000°	ELL	96	II	ETRC				06017396		40°
n.6 led 350mA DC	6,6W	○ 6.000°	ELL	04	II	ETRC				06018104		40°
n.6 led 350mA DC	6,6W	○ 3.000°	ELL	96	II	ETRC				06017496		40°
n.6 led 350mA DC	6,6W	○ 3.000°	ELL	04	II	ETRC				06018204		40°



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Supplied with a light source that is already installed and the water-stop device.

Models with adjustable lamp position or reflector position.



CRICKET 168+ / LED HP RGB / C INT

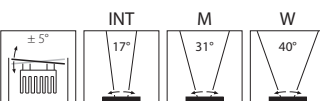
n.3 led RGB 350mA DC	9,9W		C INT	96	III					06022396		38°
n.3 led RGB 350mA DC	9,9W		C INT	04	III					06022604		38°

CRICKET 168+ / LED HP RGB / C M

n.3 led RGB 350mA DC	9,9W		C M	96	III					06022496		38°
n.3 led RGB 350mA DC	9,9W		C M	04	III					06022704		38°

CRICKET 168+ / LED HP RGB / C W

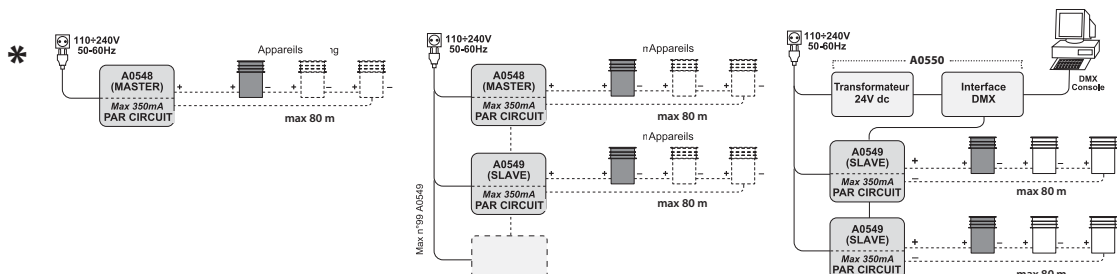
n.3 led RGB 350mA DC	9,9W		C W	96	III					06022596		38°
n.3 led RGB 350mA DC	9,9W		C W	04	III					06022804		38°



Supplied with a light source that is already installed and the water-stop device.

For 350mA x RGB lamp supply.

Models with adjustable lamp position or reflector position.



ACCESSORIES



Code	Denomination	Description
14135420	A0548	Control gear Kit MASTER for RGB-44W 110/240V.
14135520	A0549	Control gear Kit SLAVE for RGB-44W 110/240V.
14135620	A0550	Interface Kit DMX for RGB (use with A0549).
14072120	A0380	S05RN-F 3x1mm ² x RGB cable sold and supplied in 1 metre units.
14018320	A0235	H07RN-F 2x2,5 mm ² rubber cable supplied and sold in 1 metre units. For Cricket 168+ only.

CRICKET 168+ compact LED

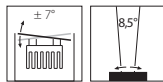
								IK 09 16J											
CLASS I		96	04	IP 67															Led 6x1W



CRICKET 168+ compact LED HP / C INT Beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Tmax °C
n°6 LED 350mA DC	6,6W	○ 6.000	C INT	96	I	ETRC				• 06036596		36°
n°6 LED 350mA DC	6,6W	○ 6.000	C INT	04	I	ETRC				• 06036904		36°
n°6 LED 350mA DC	6,6W	○ 3.000	C INT	96	I	ETRC				• 06036696		36°
n°6 LED 350mA DC	6,6W	○ 3.000	C INT	04	I	ETRC				• 06037004		36°

INT



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

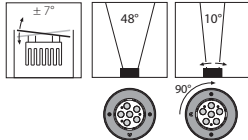
Supplied with a light source that is already installed and the water-stop device.



CRICKET 168+ compact LED HP / ELL Elliptical

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Tmax °C
n°6 LED 350mA DC	6,6W	○ 6.000	ELL	96	I	ETRC				• 06036796		
n°6 LED 350mA DC	6,6W	○ 6.000	ELL	04	I	ETRC				• 06037104		
n°6 LED 350mA DC	6,6W	○ 3.000	ELL	96	I	ETRC				• 06036896		
n°6 LED 350mA DC	6,6W	○ 3.000	ELL	04	I	ETRC				• 06037204		

ELL



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Supplied with a light source that is already installed and the water-stop device.

ACCESSORIES

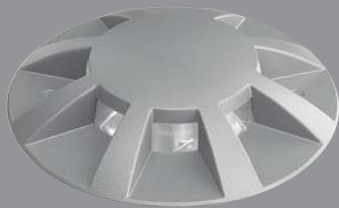
A0593



Code	Denomination	Description
14150420	A0593	H07RN-F 3G1.5 mm² rubber cable supplied and sold in 1 metre units.

CRICKET 168+ RAD 168+ compact RAD

design Silvia Paola Pennacchio



CRICKET 168+ RAD is a family of small-sized luminaires that can be driven over, round in shape for recessed installation in the ground and in cement.

They are available in two versions:

- CRICKET 168+ RAD developed vertically and designed primarily for ground installation,
- CRICKET 168+ compact RAD developed horizontally and extremely thin (max depth 170 mm), with particular application in floor slabs and in all those installations where it is not possible to install deep down, RAD models are characterised by:
- die-cast aluminium lens cover which can be driven over, painted grey sablè (96) after sandblasting and phospho-chromate treatment, available in 3 versions (360°, 210°, 110°+30°),
- high-efficiency light sources including LEDs,
- reflectors with emission close to the ground,
- reflectors made using very pure aluminium (99.85%), polished and anodised,
- low glass temperatures,

- technopolymer pit, resistant to the stresses of the ground,
- reinforced and heat-stabilised technopolymer (Cricket 168+ RAD) or die-cast aluminium fitting, anodised and painted with a protective polyester powder paint (Cricket 168+ compact RAD),
- printed and tempered safety glass (IK 09 - 15 Joules)
- anti-ageing silicone gasket, providing high elastic return ability, designed to ensure the IP 67 protection rating over time (168+ RAD), or gasket made from EPDM, providing high elastic return ability, designed to ensure the IP 67 protection rating over time (168+ compact RAD),
- separate connection box, IP68 with resin-covered cable that guarantees watertightness in all conditions,
- power supply 230V/50Hz, 220÷240V 50/60Hz other voltages available on request,
- stainless steel external screws,
- horizontal adjustability of the luminaire at 360°,
- system for securing the fitting to the outer casing that ensures safe, problem-free installation even when the pit is not flush to the ground.



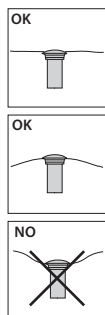
CRICKET 168+ RAD luminaires are fitted with the "Water Stop" system. This consists of a separate connection box, designed to prevent moisture and condensation from being sucked inside the light fittings in particular thermal and installation conditions. This system therefore preserves the electrical components, with evident positive effects on safety, reliability longevity and safety of the luminaires.

WATER DRAIN

The Cricket 168+compact RAD models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe.

Quick!

QUICK models make very fast installation possible. Supplied with a light source that is already installed and the water-stop device, there is no need to open the fittings to perform the installation on the ground.

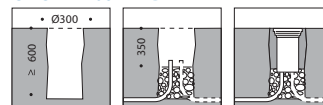


INSTALLATION

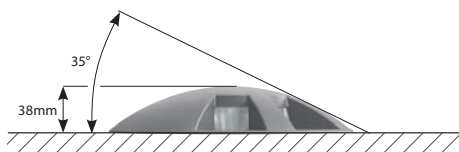
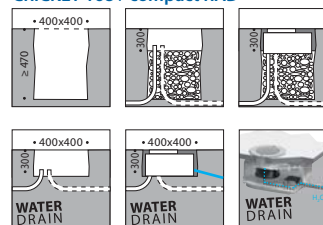
CRICKET 168+ RAD recessed in-ground fittings may be subjected to heavy loads and impact from pedestrians and motor vehicles during operation. To ensure optimum performance and safety it is important that they are correctly installed by a suitably qualified person, in strict accordance with the manufacturers installation instructions. Fittings must not be installed in a hollow or submerged underwater and must be provided with proper drainage by means of a ≥ 30 cm bed of gravel or a drainpipe. The Cricket 168+ compact RAD models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe (Water Drain).

When installing fittings within public access it is advisable to be aware of the glass surface temperature indicated ($T_{max} \text{ } ^\circ\text{C}$, values indicated are based on nom 230V at 25°C) and confirm measurements at rated voltage are in accordance with national and local standards.

CRICKET 168+ RAD



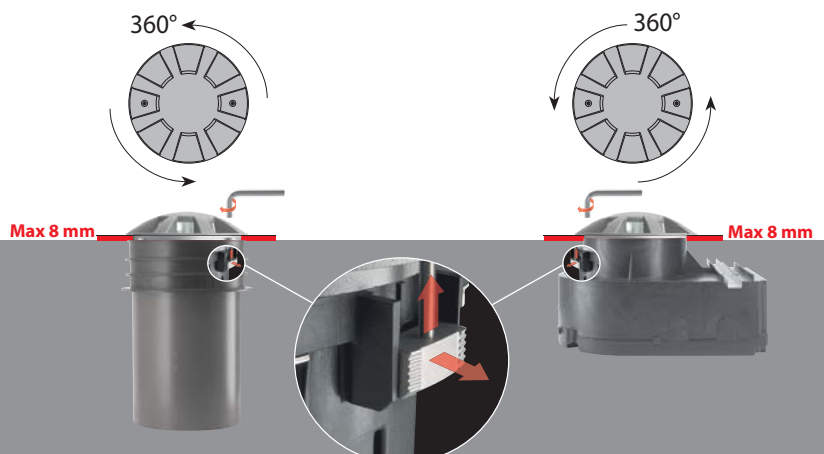
CRICKET 168+ compact RAD



The glass lens cover has a surface protrusion in accordance with EN 60598-2-13, ensuring minimum obstruction to public and motor vehicles.

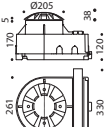
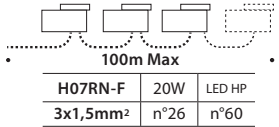
INSTALLATION SYSTEM

All fittings of the CRICKET 168+ RAD and 168+ compact RAD luminaires are equipped with an "easy-adjust" device. They can, therefore, be rotated freely, even after installation, regardless of the position of the pit.



All the outer casings of the compact models are supplied complete with shaped steel bars shaped to ensure that they can be driven over.

CRICKET 168+ compact RAD

								IK 09 15J			 max 3,4kg							
CLASS I		96	IP 67													 20W HCL-TF	 8-5-4-1x1W	
		 <table border="1" data-bbox="472 425 684 479"><tr><td>H07RN-F</td><td>20W</td><td>LED HP</td></tr><tr><td>3x1,5mm²</td><td>n°26</td><td>n°60</td></tr></table>	H07RN-F	20W	LED HP	3x1,5mm ²	n°26	n°60	 H07RN-F 3G1,5 									
H07RN-F	20W	LED HP																
3x1,5mm ²	n°26	n°60																



CRICKET 168+ / compact/ RAD 360°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	Tmax °C
GU6,5	20W	MT		RAD 360°	96	I	ETRC			• 07039496		78°
n°8 led 350mA DC	8,8W		○ 6.000	RAD 360°	96	I	ETRC			• 06033896	Q	47°
n°8 led 350mA DC	8,8W		○ 3.000	RAD 360°	96	I	ETRC			• 06033596	Q	47°



- Complete with electronic ballast non dimmable 220÷240V 50/60Hz.
- Supplied with a light source that is already installed and the water-stop device.



CRICKET 168+ / compact/ RAD 210°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	Tmax °C
GU6,5	20W	MT		RAD 210°	96	I	ETRC			• 07039396		78°
n°5 led 350mA DC	5,5W		○ 6.000	RAD 210°	96	I	ETRC			• 06033796	Q	48°
n°5 led 350mA DC	5,5W		○ 3.000	RAD 210°	96	I	ETRC			• 06033496	Q	48°



- Complete with electronic ballast non dimmable 220÷240V 50/60Hz.
- Supplied with a light source that is already installed and the water-stop device.



CRICKET 168+ / compact/ RAD 110° + 30°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	Tmax °C
GU6,5	20W	MT		RAD 110°+30°	96	I	ETRC			• 07039296		78°
n°4 led 350mA DC	4,4W		○ 6.000	RAD 110°+30°	96	I	ETRC			• 06033696	Q	43°
n°4 led 350mA DC	4,4W		○ 3.000	RAD 110°+30°	96	I	ETRC			• 06033396	Q	43°



- Complete with electronic ballast non dimmable 220÷240V 50/60Hz.
- Supplied with a light source that is already installed and the water-stop device.

ACCESSORIES



Code	Denomination	Description
14150420	A0593	H07RN-F 3G1.5 mm2 rubber cable supplied and sold in 1 metre units. For Cricket 168+ compact only.

CRICKET 268+ is a family of medium-sized luminaires that can be driven over, round in shape for recessed installation in the ground and in cement.

They are available in two versions:

- CRICKET 268+ developed vertically and designed primarily for ground installation.
 - CRICKET 268+ compact developed horizontally and extremely thin (max depth 165 mm), with particular application in floor slabs and in all those installations where it is not possible to install deep down.
- Cricket 268+ and Cricket 268+ compact are available in two versions:
- Cricket 268+/AL (96) or Cricket 268+ compact/AL (96) with grey sablé painted aluminium ring (96) and flat glass.
 - Cricket 268+/I (04) - Cricket 268+ compact/I (04) with ring covered in AISI 316 stainless steel and flat glass. Cricket 268+ and Cricket 268+ compact are characterised by:
- wide range of light sources,
 - availability of circular reflectors with intensive (INT), medium (M) and wide (W) beam distribution and asymmetrical wall-washer with semi-concentrated and diffused beam distribution,

- low glass temperatures (according to the models),
- technopolymer pit, resistant to the stresses of the ground,
- reinforced and heat-stabilised technopolymer (Cricket 168+ RAD) or die-cast aluminium fitting, anodised and painted with a protective polyester powder paint (Cricket 168+ compact RAD), - printed and tempered safety glass (IK 10 - 21 Joules),
- anti-ageing silicone gasket, providing high elastic return ability, designed to ensure the IP 67 protection rating over time,
- painted die-cast aluminium frame (Cricket 268+ / AL) or frame covered with AISI 316 satin finish sheet steel (Cricket 268+ / I),
- high performance circular reflectors made using very pure aluminium (99.85%), polished and anodised, and asymmetrical pre-anodised aluminium reflectors,
- separate connection box, IP68 with resin-covered cable that guarantees watertightness in all conditions,
- power supply 230V/50Hz, 220+240V 50/60Hz other voltages available on request,
- stainless steel external screws,
- horizontal adjustability of the luminaire at 360°.

CRICKET 268+ 268+ compact

design Silvia Paola Pennacchio



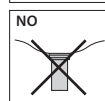
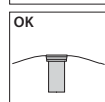
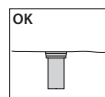
CRICKET 268+ luminaires are fitted with the "Water Stop" system. This consists of a separate connection box, designed to prevent moisture and condensation from being sucked inside the light fittings in particular thermal and installation conditions. This system therefore preserves the electrical components, with evident positive effects on safety, reliability longevity and safety of the luminaires.

WATER DRAIN

The Cricket 268+ compact models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe.

Quick!

QUICK models make very fast installation possible. Supplied with a light source that is already installed and the water-stop device, there is no need to open the fittings to perform the installation on the ground.

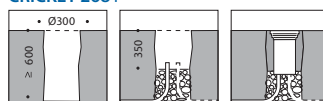


INSTALLATION

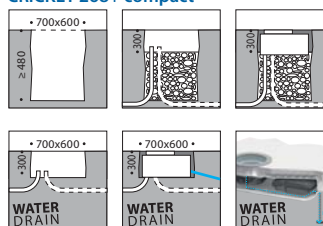
CRICKET 268+ recessed in-ground fittings may be subjected to heavy loads and impact from pedestrians and motor vehicles during operation. To ensure optimum performance and safety it is important that they are correctly installed by a suitably qualified person, in strict accordance with the manufacturers installation instructions. Fittings must not be installed in a hollow or submerged underwater and must be provided with proper drainage by means of a ≥ 30 cm bed of gravel or a drainpipe. The Cricket 268+ compact models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe. (Water drain).

When installing fittings within public access it is advisable to be aware of the glass surface temperature indicated (T_{max} °C, values indicated are based on norm 230V at 25°C) and confirm measurements at rated voltage are in accordance with national and local standards.

CRICKET 268+

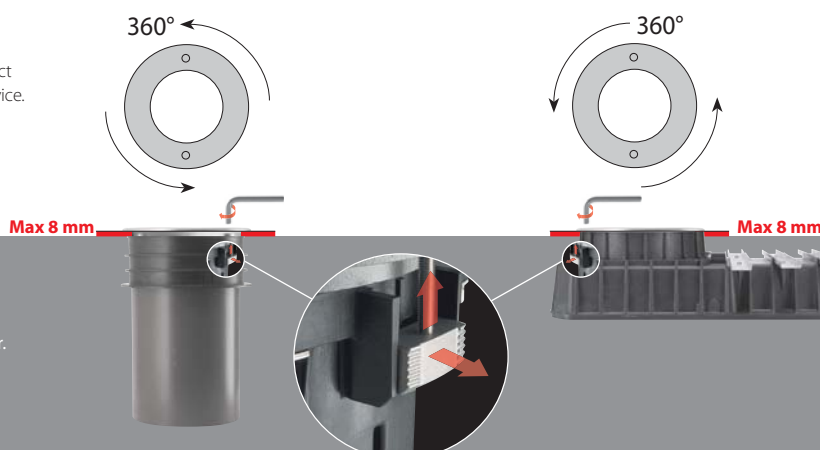


CRICKET 268+ compact



INSTALLATION SYSTEM

All fittings of the CRICKET 268+ and 268+ compact luminaires are equipped with an "easy-adjust" device. They can, therefore, be rotated freely, even after installation, regardless of the position of the pit.



All the outer casings of the compact models are supplied complete with shaped steel bars shaped to ensure that they can be driven over.

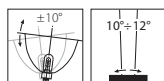
CRICKET 268+

						IK 10 21 J			max 7,7kg						
CLASS II		96	04	IP 67								 FSQ 10W DULUX-D/E PL-C-4pin	 MD 70÷150W HQ-TS/MH-TD CDM-TD	 SD 70÷150W NAV-TS	 MT 35-70-100-150W HQ-T/HCI-T CDM-T
								 Ø6÷Ø10 H07RN-F 2x2,5 2x2,5mm²						Max 2.500Kg	



CRICKET 268+ / C INT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
G12	35W	MT		C INT	96	II	CR			• 05307996		83°
G12	35W	MT		C INT	04	II	CR			• 05310804		83°
G12	70W	MT		C INT	96	II	CR			• 05308096		106°
G12	70W	MT		C INT	04	II	CR			• 05310904		106°
G12	100W	MT		C INT	96	II	CR			• 05308196		125°
G12	100W	MT		C INT	04	II	CR			• 05311004		125°
G12	150W	MT		C INT	96	II	CR			• 05308296		176°
G12	150W	MT		C INT	04	II	CR			• 05311104		176°
G12	35W	MT		C INT	96	II	ETRC			• 05308396		81°
G12	35W	MT		C INT	04	II	ETRC			• 05311204		81°
G12	70W	MT		C INT	96	II	ETRC			• 05308496		103°
G12	70W	MT		C INT	04	II	ETRC			• 05311304		103°

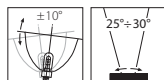


- Complete with electronic ballast 220÷240V 50/60Hz.
- Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / C M

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
G12	35W	MT		C M	96	II	CR			• 05308596		72°
G12	35W	MT		C M	04	II	CR			• 05311404		72°
G12	70W	MT		C M	96	II	CR			• 05308696		103°
G12	70W	MT		C M	04	II	CR			• 05311504		103°
G12	100W	MT		C M	96	II	CR			• 05308796		118°
G12	100W	MT		C M	04	II	CR			• 05311604		118°
G12	150W	MT		C M	96	II	CR			• 05308896		159°
G12	150W	MT		C M	04	II	CR			• 05311704		159°
G12	35W	MT		C M	96	II	ETRC			• 05308996		83°
G12	35W	MT		C M	04	II	ETRC			• 05311804		83°
G12	70W	MT		C M	96	II	ETRC			• 05309096		103°
G12	70W	MT		C M	04	II	ETRC			• 05311904		103°

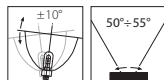


- Complete with electronic ballast 220÷240V 50/60Hz.
- Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / C W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
G12	35W	MT		C W	96	II	CR			• 05309196		80°
G12	35W	MT		C W	04	II	CR			• 05312004		80°
G12	70W	MT		C W	96	II	CR			• 05309296		106°
G12	70W	MT		C W	04	II	CR			• 05312104		106°
G12	100W	MT		C W	96	II	CR			• 05309396		122°
G12	100W	MT		C W	04	II	CR			• 05312204		122°
G12	150W	MT		C W	96	II	CR			• 05309496		138°
G12	150W	MT		C W	04	II	CR			• 05312304		138°
G12	35W	MT		C W	96	II	ETRC			• 05309596		80°
G12	35W	MT		C W	04	II	ETRC			• 05312404		80°
G12	70W	MT		C W	96	II	ETRC			• 05309696		106°
G12	70W	MT		C W	04	II	ETRC			• 05312504		106°

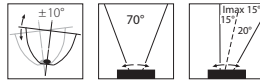


- Complete with electronic ballast 220÷240V 50/60Hz.
- Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / A15

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\frac{Cosp}{\geq 0,9}$	Code	Notes	T max °C
RX7s	70W	SD-MD	A15	96	II	CR			• 05310196		105°
RX7s	70W	SD-MD	A15	04	II	CR			• 05313004		105°
RX7s	150W	SD-MD	A15	96	II	CR			• 05310296		144°
RX7s	150W	SD-MD	A15	04	II	CR			• 05313104		144°
RX7s	70W	SD-MD	A15	96	II	ETRC			• 05310396		102°
RX7s	70W	SD-MD	A15	04	II	ETRC			• 05313204		102°



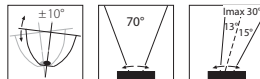
Complete with electronic ballast 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / A30

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\frac{Cosp}{\geq 0,9}$	Code	Notes	T max °C
RX7s	70W	SD-MD	A30	96	II	CR			• 05310496		107°
RX7s	70W	SD-MD	A30	04	II	CR			• 05313304		107°
RX7s	150W	SD-MD	A30	96	II	CR			• 05310596		144°
RX7s	150W	SD-MD	A30	04	II	CR			• 05313404		144°
RX7s	70W	SD-MD	A30	96	II	ETRC			• 05310696		99°
RX7s	70W	SD-MD	A30	04	II	ETRC			• 05313504		99°



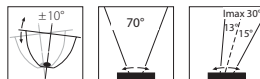
Complete with electronic ballast 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / A30 Fluo

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\frac{Cosp}{\geq 0,9}$	Code	Notes	T max °C
G24q-1	10W	FSQ	A30	96	II	ETRC	A3		• 05310796		40°
G24q-1	10W	FSQ	A30	04	II	ETRC	A3		• 05313604		40°



Complete with electronic ballast 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.

ACCESSORIES

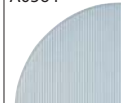
A0561 / A0562



A0563



A0564



A0565/..



A0566



A0567



A0235



Code	Denomination	Description
14136920	A0561/AL	Frosted glass. For aluminium frames (/AL) only. Not suitable for intensive circular lens (/C INT) for Cricket 268+ compact.
14137020	A0561/I	Frosted glass. For stainless steel frames (I) only. Not suitable for intensive circular lens (/C INT) for Cricket 268+ compact.
14137120	A0562/AL	Supplement for frosted glass. For aluminium frames (AL) only.
14137220	A0562/I	Supplement for frosted glass. For stainless steel frames (I) only.
14137320	A0563	Low-emission filter to reduce glass temperature. For G12 max 70W (CR) and 35W (ETRC) lamps for Cricket 268+ only. Not suitable for 150W lamps for Cricket 268+ compact.
14137420	A0564	Prismatic glass. For circular lenses (/C) only.
14137520	A0565/R	Filtro dicroico rosso da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137620	A0565/G	Filtro dicroico giallo da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137720	A0565/V	Filtro dicroico verde da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137820	A0565/BL	Filtro dicroico blu da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137920	A0566	Paraluce circolare. Solo per ottica circolare intensiva (/C INT).
14138012	A0567	Frangiluce circolare. Solo per ottica circolare (/C) per Cricket 268+.
14018320	A0235	Cavo in gomma H07RN8-F 2x1,5mm ² da ordinare a metri.

CRICKET 268+ compact

						IK 10 21 J			max 11,7kg						
CLASS I		96	04	IP 67										MD 70÷150W HQI-TS/MH-TD CDM-TD	MT 35W HQI-T/HCI-T CDM-T
								Ø7-Ø12 H07RN-F 3G1,5 3x1,5mm²				30 Km/h 7,500Kg		 Max 2.500Kg 5 kN 50 Nm	



CRICKET 268+ / compact/ C INT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp	Code	Notes	Tmax °C
G12	35W	MT		C INT	96	I	CR	•	≥ 0,9	05336996		79°
G12	35W	MT		C INT	04	I	CR	•	≥ 0,9	05337504		79°
RX7s	70W	MD		C INT	96	I	CR	•	≥ 0,9	05338196		132°
RX7s	70W	MD		C INT	04	I	CR	•	≥ 0,9	05341104		132°
RX7s	150W	MD		C INT	96	I	CR	•	≥ 0,9	05339696		180°
RX7s	150W	MD		C INT	04	I	CR	•	≥ 0,9	05342604		180°
G12	35W	MT		C INT	96	I	ETRC	•	≥ 0,9	05337296		75°
G12	35W	MT		C INT	04	I	ETRC	•	≥ 0,9	05337804		75°
RX7s	70W	MD		C INT	96	I	ETRC	•	≥ 0,9	05338696		122°
RX7s	70W	MD		C INT	04	I	ETRC	•	≥ 0,9	05341604		122°
RX7s	150W	MD		C INT	96	I	ETRC	•	≥ 0,9	05340196		185°
RX7s	150W	MD		C INT	04	I	ETRC	•	≥ 0,9	05343104		185°



Complete with electronic ballast 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / compact/ C M

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp	Code	Notes	Tmax °C
G12	35W	MT		C M	96	I	CR	•	≥ 0,9	05337096		80°
G12	35W	MT		C M	04	I	CR	•	≥ 0,9	05337604		80°
RX7s	70W	MD		C M	96	I	CR	•	≥ 0,9	05338296		125°
RX7s	70W	MD		C M	04	I	CR	•	≥ 0,9	05341204		125°
RX7s	150W	MD		C M	96	I	CR	•	≥ 0,9	05339796		175°
RX7s	150W	MD		C M	04	I	CR	•	≥ 0,9	05342704		175°
G12	35W	MT		C M	96	I	ETRC	•	≥ 0,9	05337396		74°
G12	35W	MT		C M	04	I	ETRC	•	≥ 0,9	05337904		74°
RX7s	70W	MD		C M	96	I	ETRC	•	≥ 0,9	05338796		115°
RX7s	70W	MD		C M	04	I	ETRC	•	≥ 0,9	05341704		115°
RX7s	150W	MD		C M	96	I	ETRC	•	≥ 0,9	05340296		177°
RX7s	150W	MD		C M	04	I	ETRC	•	≥ 0,9	05343204		177°



Complete with electronic ballast 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / compact/ C W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp	Code	Notes	Tmax °C
G12	35W	MT		C W	96	I	CR	•	≥ 0,9	05337196		80°
G12	35W	MT		C W	04	I	CR	•	≥ 0,9	05337704		80°
RX7s	70W	MD		C W	96	I	CR	•	≥ 0,9	05338396		140°
RX7s	70W	MD		C W	04	I	CR	•	≥ 0,9	05341304		140°
RX7s	150W	MD		C W	96	I	CR	•	≥ 0,9	05339896		175°
RX7s	150W	MD		C W	04	I	CR	•	≥ 0,9	05342804		175°
G12	35W	MT		C W	96	I	ETRC	•	≥ 0,9	05337496		73°
G12	35W	MT		C W	04	I	ETRC	•	≥ 0,9	05338004		73°
RX7s	70W	MD		C W	96	I	ETRC	•	≥ 0,9	05338896		118°
RX7s	70W	MD		C W	04	I	ETRC	•	≥ 0,9	05341804		118°
RX7s	150W	MD		C W	96	I	ETRC	•	≥ 0,9	05340396		179°
RX7s	150W	MD		C W	04	I	ETRC	•	≥ 0,9	05343304		179°



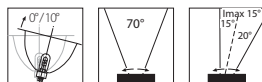
Complete with electronic ballast 220÷240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / compact/ A15

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\geq 0,9$	Cosp Code	Notes	Tmax °C
RX7s	70W	MD		A15	96	I	CR		• 05338496		122°
RX7s	70W	MD		A15	04	I	CR		• 05341404		122°
RX7s	150W	MD		A15	96	I	CR		• 05339996		162°
RX7s	150W	MD		A15	04	I	CR		• 05342904		162°
RX7s	70W	MD		A15	96	I	ETRC		• 05338996		112°
RX7s	70W	MD		A15	04	I	ETRC		• 05341904		112°
RX7s	150W	MD		A15	96	I	ETRC		• 05340496		155°
RX7s	150W	MD		A15	04	I	ETRC		• 05343404		155°



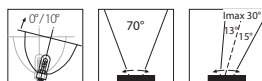
Complete with electronic ballast 220+240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.



CRICKET 268+ / compact/ A30

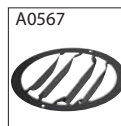
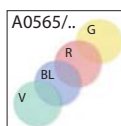
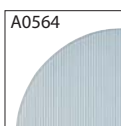
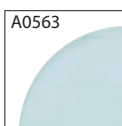
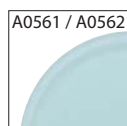
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\geq 0,9$	Cosp Code	Notes	Tmax °C
RX7s	70W	MD		A30	96	I	CR		• 05338596		119°
RX7s	70W	MD		A30	04	I	CR		• 05341504		119°
RX7s	150W	MD		A30	96	I	CR		• 05340096		155°
RX7s	150W	MD		A30	04	I	CR		• 05343004		155°
RX7s	70W	MD		A30	96	I	ETRC		• 05339096		110°
RX7s	70W	MD		A30	04	I	ETRC		• 05342004		110°
RX7s	150W	MD		A30	96	I	ETRC		• 05340596		152°
RX7s	150W	MD		A30	04	I	ETRC		• 05343504		152°



Complete with electronic ballast 220+240V 50/60Hz.

Models with adjustable lamp position or reflector position 0/+10°.

ACCESSORIES



Code	Denomination	Description
14136920	A0561/AL	Frosted glass. For aluminium frames (/AL) only. Not suitable for intensive circular lens (/C INT) for Cricket 268+ compact.
14137020	A0561/I	Frosted glass. For stainless steel frames (/I) only. Not suitable for intensive circular lens (/C INT) for Cricket 268+ compact.
14137120	A0562/AL	Supplement for frosted glass. For aluminium frames (AL) only.
14137220	A0562/I	Supplement for frosted glass. For stainless steel frames (I) only.
14137320	A0563	Low-emission filter to reduce glass temperature. For G12 max 70W (CR) and 35W (ETRC) lamps for Cricket 268+ only. Not suitable for 150W lamps for Cricket 268+ compact.
14137420	A0564	Prismatic glass. For circular lenses (/C) only.
14137520	A0565/R	Filtro dicroico rosso da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137620	A0565/G	Filtro dicroico giallo da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137720	A0565/V	Filtro dicroico verde da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137820	A0565/BL	Filtro dicroico blu da utilizzarsi con l'accessorio A0566. Solo per ottica circolare intensiva (/C INT) per lampade G12 max 100W (CR) e max 35W (ETRC) per Cricket 268+.
14137920	A0566	Paraluce circolare. Solo per ottica circolare intensiva (/C INT).
14138012	A0567	Frangiluce circolare. Solo per ottica circolare (/C) per Cricket 268+.
14150420	A0593	H07RN-F 3G1.5 mm ² rubber cable supplied and sold in 1 metre units.

CRICKET 268+ compact LED

							IK 10 21 J			max 11,7kg									
CLASS I		96 04	IP 67																 LED 15x1W
									$\varnothing 7 \div \varnothing 12$ H07RN-F 3G1,5 3x1,5mm ²				30 Km/h 7,500Kg			Max 2.500Kg 5 kN 50 Nm			



CRICKET 268+ / compact/ LED-HP

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI = $\geq 0,9$	Code	Notes	Tmax °C
n°15 led 350mA	16,5W		○ 6.000	C-INT	96	I	ETRC		• 06037396		Q
n°15 led 350mA	16,5W		○ 6.000	C-INT	04	I	ETRC		• 06037704		Q
n°15 led 350mA	16,5W		○ 3.000	C-INT	96	I	ETRC		• 06037496		Q
n°15 led 350mA	16,5W		○ 3.000	C-INT	04	I	ETRC		• 06037804		Q
n°15 led 350mA	16,5W		○ 6.000	ELL	96	I	ETRC		• 06037596		Q
n°15 led 350mA	16,5W		○ 6.000	ELL	04	I	ETRC		• 06037904		Q
n°15 led 350mA	16,5W		○ 3.000	ELL	96	I	ETRC		• 06037696		Q
n°15 led 350mA	16,5W		○ 3.000	ELL	04	I	ETRC		• 06038004		Q

- Complete with electronic ballast 220÷240V 50/60Hz.
- Models with adjustable lamp position or reflector position 0/+10°.
- Supplied with a light source that is already installed and the water-stop device.

ACCESSORIES



Code	Denomination	Description
14150420	A0593	H07RN-F 3G1.5 mm ² rubber cable supplied and sold in 1 metre units.

CRICKET 268+RAD is a family of medium-sized luminaires that can be driven over, round in shape for recessed installation in the ground and in cement.

It is available in two versions:

CRICKET 268+ RAD developed vertically and designed primarily for ground installation.

CRICKET 268+ compact RAD developed horizontally and depthwise, extremely small (165 mm), with particular application in floor slabs and in all those installations where it is not possible to install deep down.

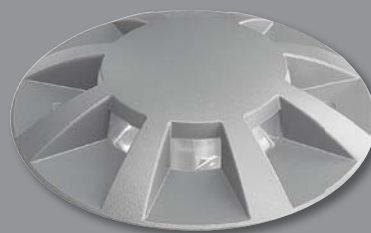
CRICKET 268+RAD is characterised by:

- die-cast aluminium lens cover which can be driven over, painted grey sablé (96) after sandblasting and phospho-chromate treatment, available in 3 versions (360°, 210°, 110°+30°),
- high-efficiency light sources,
- reflectors with emission close to the ground,
- horizontal adjustability of the luminaire,

- technopolymer pit, resistant to the stresses of the ground,
- reinforced and heat-stabilised technopolymer (Cricket 268+ RAD) or die-cast aluminium fitting, anodised and painted with a protective PTFE paint (Cricket 268+ compact RAD),
- printed and tempered safety glass (IK 10 - 23 Joules),
- power supply 230V/50Hz, 220÷240V 50/60Hz other voltages available on request,
- stainless steel external screws- anti-ageing silicone gasket, providing high elastic return ability, designed to ensure the IP 67 protection rating over time,
- circular reflectors made using very pure aluminium (99.85%), polished and oxidised,
- separate connection box, IP68 with resin-covered cable that guarantees watertightness in all conditions,
- system for securing the fitting to the outer casing that ensures safe, problem-free installation even when the pit is not flush to the ground.

CRICKET 268+ RAD 268+ compact RAD

design Silvia Paola Pennacchio



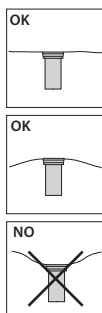
CRICKET 268+ RAD luminaires are fitted with the "Water Stop" system. This consists of a separate connection box, designed to prevent moisture and condensation from being sucked inside the light fittings in particular thermal and installation conditions. This system therefore preserves the electrical components, with evident positive effects on safety, reliability longevity and safety of the luminaires.

WATER DRAIN

The Cricket 268+ compact RAD models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe.

Quick!

QUICK models make very fast installation possible. Supplied with a light source that is already installed and the water-stop device, there is no need to open the fittings to perform the installation on the ground.



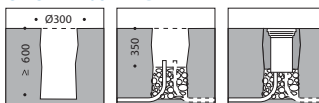
INSTALLATION

CRICKET 268+ RAD recessed in-ground fittings may be subjected to heavy loads and impact from pedestrians and motor vehicles during operation. To ensure optimum performance and safety it is important that they are correctly installed by a suitably qualified person, in strict accordance with the manufacturers installation instructions. Fittings must not be installed in a hollow or submerged underwater and must be provided with proper drainage by means of a ≥ 30 cm bed of gravel or a drainpipe.

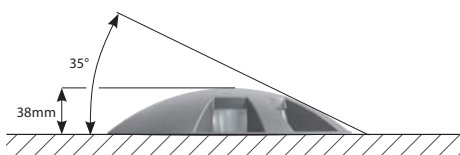
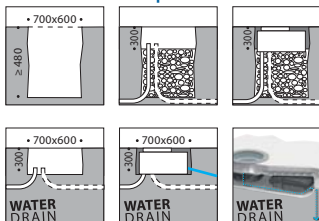
The Cricket 268+ compact RAD models provide the solution in situations in which it is necessary to install the luminaires in shallow depths and provide for the possibility of diverted drainage due to the particular shape of the humpback outer casing and using a standard corrugated pipe (Water drain).

When installing fittings within public access it is advisable to be aware of the glass surface temperature indicated ($T_{max} \text{ } ^\circ\text{C}$, values indicated are based on nom 230V at 25°C) and confirm measurements at rated voltage are in accordance with national and local standards.

CRICKET 268+ RAD



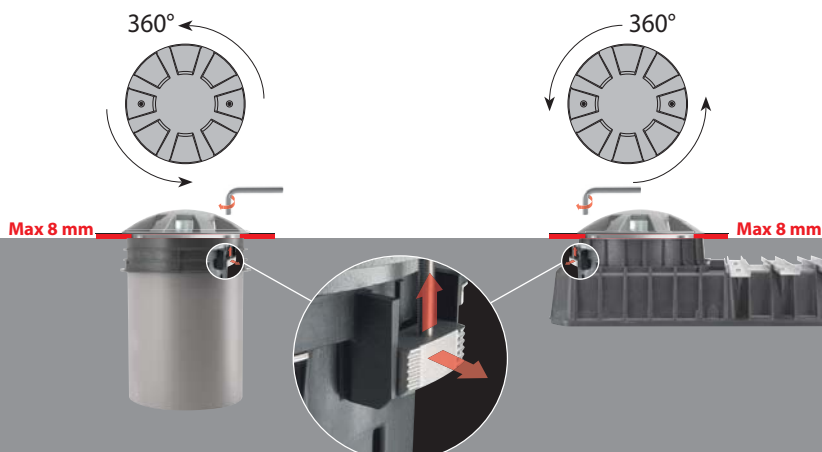
CRICKET 268+ compact RAD



The glass lens cover has a surface protrusion in accordance with EN 60598-2-13, ensuring minimum obstruction to public and motor vehicles.

INSTALLATION SYSTEM

All fittings of the CRICKET 268+ RAD and 268+ compact RAD luminaires are equipped with an "easy-adjust" device. They can, therefore, be rotated freely, even after installation, regardless of the position of the pit.



All the outer casings of the compact models are supplied complete with shaped steel bars designed to ensure that they can be driven over.

				1m		IK 7 2,6 J		 max 8kg				
CLASS II		96		IP 67								MT 35W HCl-T CDM-T
 354 52	 Ø 300					 Ø6÷Ø10 H07RN-F 2x2,5 H07RN-F 2x1,5 2x2,5mm²				 Max 2.000Kg 5 kN 50 Nm		



Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEL	$\cos\phi$ $\geq 0,9$	Code	Notes	Tmax °C
G12	35W	MT	3.000	RAD 360°	96	I	CR			07037296	Q	65°
G12	35W	MT	3.000	RAD 360°	96	I	ETRC			07037596	Q	65°



Lampholder	W	Icos	°K	Optic	Colour	Class	Wiring	EEL = $\frac{\text{Cos}\phi}{\geq 0.9}$	Code	Notes	Tmax °C
G12	35W	MT	3.000	RAD 210°	96	I	CR		07037196	Q	65°
G12	35W	MT	3.000	RAD 210°	96	I	ETRC		07037496	E Q	65°



Lampholder	W	Icos	°K	Optic	Colour	Class	Wiring	EEI = $\frac{\cos\phi}{\geq 0,9}$	Code	Notes	Tmax °C
G12	35W	MT	3.000	RAD 110°+30°	96	I	CR		07037096	Q	65°
G12	35W	MT	3.000	RAD 110°+30°	96	I	ETRC		07037396	E Q	65°

A0235

118

CRICKET 268+ compact RAD

								IK 07 2,6 J										CE	
CLASS I		96		IP 67														MT-UB 35W HCL-T-C CDM-T-C	LED max 8x1,6W



CRICKET 268+ / compact/ RAD 360°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Tmax °C
G8,5	35W	MT-UB	3000	RAD 360°	96	I	CRL			• 07040596		
G8,5	35W	MT-UB	3.000	RAD 360°	96	I	ETRCL			• 07040896		
n°8 led 500mA	12,8W		○ 6.000	RAD 360°	96	I	ETRC			• 06033996		
n°8 led 500mA	12,8W		○ 3.000	RAD 360°	96	I	ETRC			• 06034096		

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Supplied with a light source that is already installed and the water-stop device.



CRICKET 268+ / compact/ RAD 210°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Tmax °C
G8,5	35W	MT-UB	3000	RAD 210°	96	I	CRL			• 07040696		
G8,5	35W	MT-UB	3.000	RAD 210°	96	I	ETRCL			• 07040996		
n°5 led 500mA	8W		○ 6.000	RAD 210°	96	I	ETRC			• 06034196		
n°5 led 500mA	8W		○ 3.000	RAD 210°	96	I	ETRC			• 06034296		

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Supplied with a light source that is already installed and the water-stop device.



CRICKET 268+ / compact/ RAD 110° + 30°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Tmax °C
G8,5	35W	MT-UB	3000	RAD 110°+30°	96	I	CRL			• 07040796		
G8,5	35W	MT-UB	3.000	RAD 110°+30°	96	I	ETRCL			• 07041096		
n°4 led 500mA	6,4W		○ 6.000	RAD 110°+30°	96	I	ETRC			• 06034396		
n°4 led 500mA	6,4W		○ 3.000	RAD 110°+30°	96	I	ETRC			• 06034496		

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Supplied with a light source that is already installed and the water-stop device.

ACCESSORIES



Code	Denomination	Description
14150420	A0593	H07RN-F 3G1.5 mm² rubber cable supplied and sold in 1 metre units. For Cricket 168+ compact only.

CRICKET 26

design Silvia Paola Pennacchio



CRICKET 26 circular IP67 recessed in-ground fittings designed to take the load and impact from pedestrians and motor vehicles. Suitable for highlighting buildings / houses, architectural features and details, historical buildings, façades, columns, and public areas etc.

CRICKET 26 has a choice of cover rings:
CRICKET 26 / Inox (04) - Stainless steel ring.
CRICKET 26 / AL (96) - Aluminium ring painted aluminium grey.

With a range of light sources, accessories and adjustable lamp positioning CRICKET 26 is suitable for a variety of design applications.

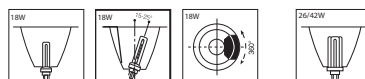
- PVC sump with polyamide cover flange.
- Extruded aluminium corrosion resistant and heat dissipating body with polyamide (PA 66 F.V.) ends.
- Glass bezel frame available in aluminium (AL) or stainless steel (Inox).
- Toughened "safety" glass.
- Silicone anti-ageing gaskets.
- A2 stainless steel external screws.

Options for through wiring connection using accessory A0154.



CRICKET 26 18/42 FLUO

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
GX24d-2	18W	FSQ		C A	04	II	CR	B2	•	05086904		50°
GX24d-2	18W	FSQ		C A	94	II	CR	B2	•	05013898		50°
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		C	04	II	ETRC	A2	•	05086804		50°/75°
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		C	94	II	ETRC	A2	•	05014198		50°/75°



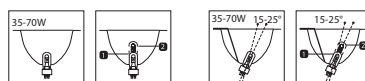
Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Self adjustable from symmetric to asymmetric.



CRICKET 26 35/70

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	T max °C
E27	70W	ST		C A	04	II	CR	•	05087304			130°
E27	70W	ST		C A	94	II	CR	•	05015098			130°
G12	35W	MT		C A	04	II	CR	•	05087404			78°
G12	35W	MT		C A	94	II	CR	•	05052194			78°
G12	70W	MT		C A	04	II	CR	•	05087504			105°
G12	70W	MT		C A	94	II	CR	•	05015998			105°



Self adjustable from symmetric to asymmetric.

Adjustable lamp positions: 2 symmetric + 2 asymmetric.



								IK 08 6J		 max 10,3kg						
CLASS II		94	04	IP 67								ST  70W NAV-T/SON-T	MT  35÷70W CDM-T HCL-T HQI-T	FSQ  18W DULUX D-E PL-C 2Pin	FSQ  26W DULUX D-E PL-C 4Pin	FSMH  32-42W DULUX T-E PL-T 4Pin
• H •</																

INSTALLATION

CRICKET 26 circular IP67 recessed in-ground fittings may be subjected to heavy load and impact from pedestrians and motor vehicles during use. For optimum performance and safety it is important that they are correctly installed by a suitable qualified person, in strict accordance with the manufacturer installation instructions

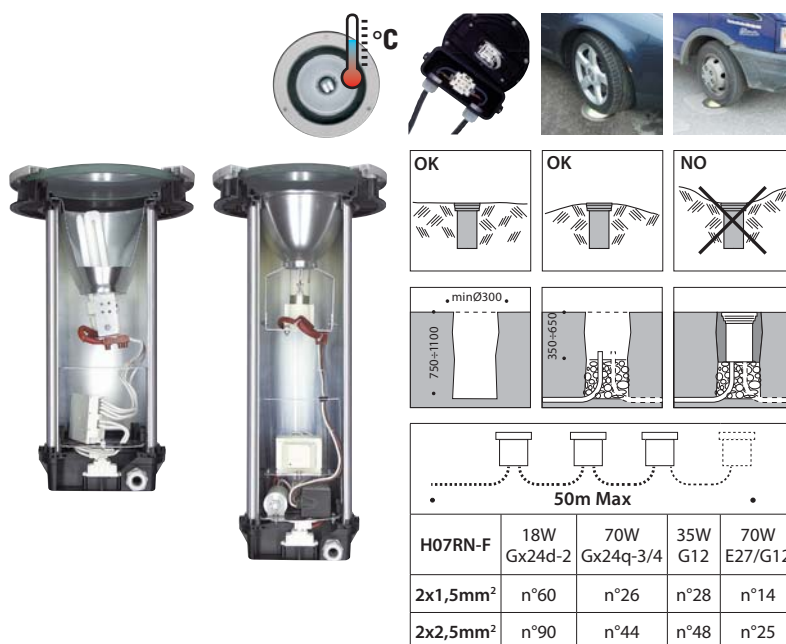
CRICKET 26 are designed to withstand a maximum static load of 5000Kg or a maximum travelling load, by motor vehicles with pneumatic tyres, of 12000Kg gross weight at a maximum speed of 30Km/h.

The fittings must not be located in a hollow or submerged underwater.

The fittings should be seated on a gravel sump, of approximately 450 mm depth from base of fitting, to allow for water drainage.

When installing fittings within public access it is advisable to be aware of the glass temperatures indicated (T max °C) and confirm measurements at rated voltage are in accordance with national and local standards.

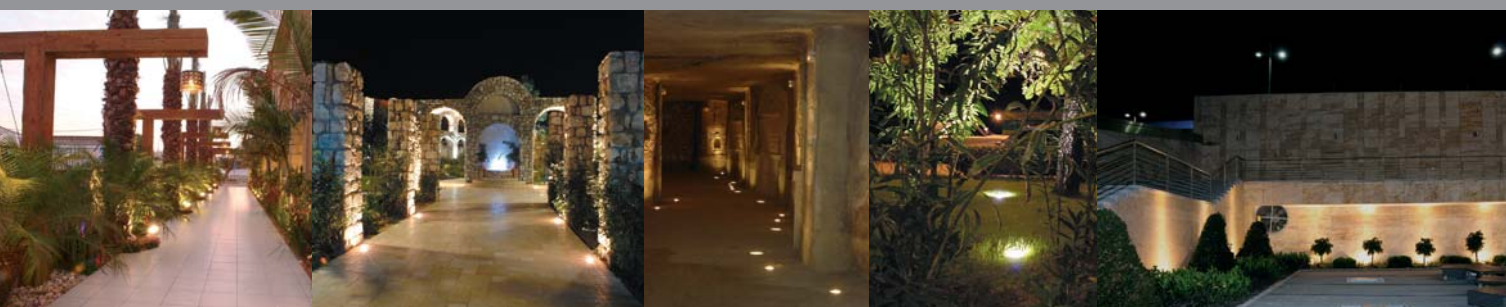
A0157 wire guards accessory (not suitable for vehicles to be driven over). To maintain IP67 integrity, use H07RN-F 2x2,5 mm² Ø10-14 mm cables only.



ACCESSORIES



Code	Denomination	Description
14000801	A0157	Stainless steel wire guard finished black. Protects against direct human contact with the glass (not suitable for vehicles to be driven over).
14449996	A0123 AL-I	Frosted glass suitable.
14027720	A0253 AL-I	CRICKET26 supplement for frosted glass factory fitted. To be ordered as a separate item along with fitting.
14020120	A0237	Low-emission filter glass fits behind standard glass cover to reduce external glass temperature.
14448996	A0122	Internal anti-glare steel mesh.
14000599	A0154	Anti-tearing PG 16 cable gland kit for through wiring connection.
14053720	A0337	Rubber cable H07RN-F 2x2,5mm ² supplied and sold in 1 metre units.
14076820	A0383	1 metre unit cable H07RN-F 2x2,5 mm ² supplied inside the luminarie package.





CRICKET 25 contemporary square IP67 recessed in-ground fittings designed to take the load and impact from pedestrians and motor vehicles. A range designed and based upon more than ten years experience, and over 100,000 in-ground fittings installed, by SBP world wide. Cricket 25 is suitable for lamp options from 26W compact fluorescent to 150W HID, offering versions with low glass surface temperatures. With a wide range of optics and accessories they are a flexible high performance fitting suitable for creating dramatic effects on historical and modern buildings, highlighting architectural features, illuminating walls / façades, and public area lighting. Glass retaining options available as Cricket 25 frameless with stainless steel corner fixings, Cricket 25/I with stainless steel frame, and Cricket 25/AL (94) aluminium frame.

- Technopolymer body and outer recessing enclosure resistant to temperature variances.
- Toughened "safety" glass, IK10 - 24J.
- Anti-ageing silicone gasket.
- Glass cover retaining options:
Cricket 25: Frameless with AISI 316 stainless steel corner fixing clamps;
Cricket 25/AL (94): Aluminium frame finished
Cricket 25/I: AISI 316 stainless steel frame suitable for installation in marine environment.
- Reflector options; Circular adjustable 0° to -10° and asymmetrical reflectors adjustable -5° to -15°.
- M20x1.5 cable gland for Ø7 12mm cables. 2x2.5mm² automatic isolating switch, automatically interrupts supply on opening fitting to provide extra safety.
- Stainless steel external screws.



CRICKET 25 A With stainless steel clamps - asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		A	04	II	ETRC	A2	•	05161490		55°
E27	70W	ST-MT		A	04	II	CR		•	05160990		80°
RX7s	70W	SD-MD		A	04	II	CR		•	05158490		90°
E27	150W	ME		A	04	II	CR		•	05161090		125°
RX7s	150W	SD-MD		A	04	II	CR		•	05161190		140°

CRICKET 25 C With stainless steel clamps - circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
G12	35W	MT		C	04	II	CR		•	05165390		74°
G12	70W	MT		C	04	II	CR		•	05161290		122°
G12	150W	MT		C	04	II	CR		•	05161390		160°



CRICKET 25 AL /A With frame - asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		A	94	II	ETRC	A2	•	05161990		55°
E27	70W	ST-MT		A	94	II	CR		•	05161590		80°
RX7s	70W	SD-MD		A	94	II	CR		•	05158890		90°
E27	150W	ME		A	94	II	CR		•	05161690		125°
RX7s	150W	SD-MD		A	94	II	CR		•	05161790		140°

CRICKET 25 I /A With frame - asymmetrical reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		A	04	II	ETRC	A2	•	05162604		55°
E27	70W	ST-MT		A	04	II	CR		•	05162004		80°
RX7s	70W	SD-MD		A	04	II	CR		•	05162104		90°
E27	150W	ME		A	04	II	CR		•	05162204		125°
RX7s	150W	SD-MD		A	04	II	CR		•	05162304		140°



CRICKET 25 AL/C With frame - circular reflector

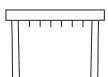
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
G12	35W	MT		C	94	II	CR		•	05165490		74°
G12	70W	MT		C	94	II	CR		•	05158590		122°
G12	150W	MT		C	94	II	CR		•	05161890		160°

CRICKET 25 I/C With frame - circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
G12	35W	MT		C	04	II	CR		•	05165504		74°
G12	70W	MT		C	04	II	CR		•	05162404		122°
G12	150W	MT		C	04	II	CR		•	05162504		160°

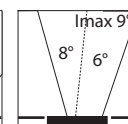
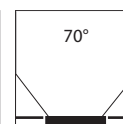
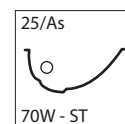
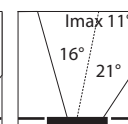
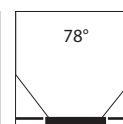
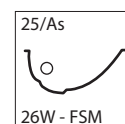
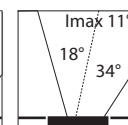
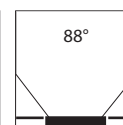
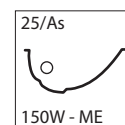
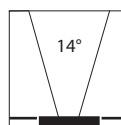
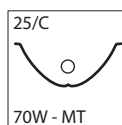
Complete with electronic ballast 220÷240V 50/60Hz.

Version with adjustable lamp position or reflector position.

								IK 10 24J			max 8kg						
CLASS II		94 04		IP 67						 ST Max 70W NAV-T SON-T	 SD Max150W NAV-TS	 MD Max150W HQI-TS/MH-TD CDM-TD/HCI-TS	 ME Max150W HQI-E	 MT Max150W HQI-T/HCI-T CDM-T	 MT Max70W CDO-TT	 FSQ 26-42W DULUX D-E PLC-4P	 FSMH 26-42W DULUX T-E PLT-4P
265 max 265 max 305 	265 max 305 							 M20x1,5 Ø7-Ø12 H07RN-F 2x2,5 2x2,5mm²				 Max 30Km/h Max 12.000Kg	 Max 3.000Kg				



Maximum external glass working temperature, measured at an ambient temperature of 25°C and with 230V/50Hz main supply.
Glass surface temperature can be reduced by up to 10°C by using A0349 filter glass accessory, or up to 5°C using A0350 frosted glass accessory.



INSTALLATION

Cricket 25 IP67 recessed in-ground fittings may be subjected to heavy load and impact from pedestrians and motor vehicles during use. For optimum performance and safety it is important that they are correctly installed by a suitable qualified person, in strict accordance with the manufacturer's installation instructions.
Cricket 25, when correctly installed into concrete they are designed to withstand a maximum static load of 3000Kg or a maximum travelling load, by motor vehicles with pneumatic tyres, of 12000Kg gross weight at a maximum speed of 30Km/h. If installed into soil they are suitable for impact from passing light vehicles (max 300Kg).

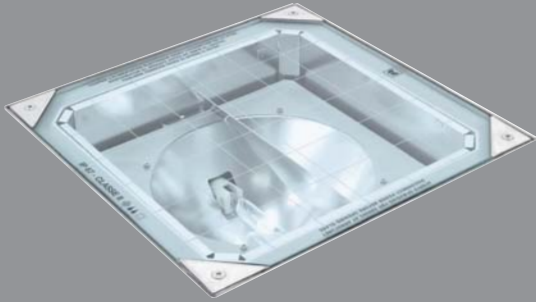
- Allow for good water drainage
- Use H07RN-F 2x1.5 mm² Ø7-12mm cables only (see accessory A0235).
- The fittings must not be located in a hollow or submerged underwater.
- When installing fittings within public access it is advisable to be aware of the glass temperatures indicated (T max °C) and confirm measurements at rated voltage are in accordance with national and local standards.

100m Max		
H07RN-F	26W	35W
2x1,5mm²	n°54	n°36
2x2,5mm²	n°90	n°59
	42W	70W
	n°33	n°18
	n°55	n°31
		150W
		n°15

ACCESSORIES

A0348	A0349	A0350	A0323	A0235	A0382

Code	Denomination	Description
14058412	A0348	Internal aluminium circular baffle for CRICKET 25/C only.
14058520	A0349	Internal low emission filter glass fits behind standard glass cover to reduce the outer glass surface temperature by 10°C. (Not suitable for C/70-150W - A/150W and not to be combined with A0350).
14058820	A0350	Internal frosted glass fits behind standard glass cover to reduce glare and the outer glass surface temperature by 5°C. Not to be combined with A0349.
14051720	A0323	M20 x 1.5 anti-tearing cable gland kit for through wiring connection.
14018320	A0235	H07RN8-F 2x1.5mm² rubber cable supplied and sold in 1 metre units.
14076720	A0382	1 metre H07RN8-F 2x1.5 mm² cable supplied complete with fitting.

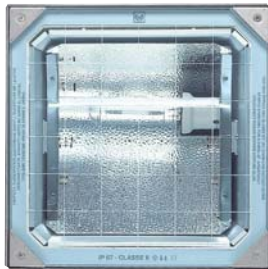


CRICKET 40 are high performance contemporary square IP67 recessed in-ground fittings for up to 250W HID lamps, designed to take the load and impact from pedestrians and motor vehicles.

Cricket 40 are made from high quality corrosion resistant materials with precision finishing and attention to design, which makes them suitable for a variety of both indoor and outdoor installations. With a wide range of reflectors allowing flexibility with optics and design the Cricket 40 is a high performance fitting suitable for creating dramatic effects on historical and modern buildings, highlighting architectural features, illuminating walls / façades, and public area lighting.

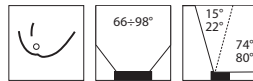
Cricket 40 LT versions for 150W lamps complete with low emission filter glass to reduce external glass temperatures for use in sensitive areas with public access.

- Strong AISI 304 (A2) stainless steel external frame and outer recessing enclosure.
- Glass reinforced fibre (GRP) polyamide body in grey.
- Two PG16 cable glands for Ø10-14mm cables complete with bung for single or through wiring connection.
- Reflectors in high purity aluminium, adjustable $\pm 10^\circ$.
- Anti-ageing one piece silicone gasket.
- 2mm toughened "safety" glass etched in light grey. Non-slip (NS) glass available on request.
- Stainless steel corner fixing clips (AISI 304).
- Stainless steel internal and external screws.

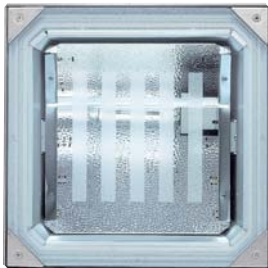


CRICKET 40/A Asymmetrical reflector adjustable $\pm 10^\circ$ - models with clear glass.

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\frac{\text{Cos}\phi}{\geq 0,9}$	Code	Notes	T max °C
RX7s	70W	SD-MD		A	04	II	CR		• 05072790		67°
E40	100W	ST		A	04	II	CR		• 05065990		69°
RX7s	150W	SD-MD		A	04	II	CR		• 05066090		88°
RX7s	150W	SD-MD		A	04	II	CR		• 05068590	👉	72°
E40	150W	ST-MT		A	04	II	CR		• 05066390		89°
E40	150W	ST-MT		A	04	II	CR		• 05068690	👉	76°
E40	250W	ST-MT		A	04	II	CR		• 05066290		122°

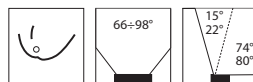


👉 Models LT. with low-emission filter reducing external temperature on glass.

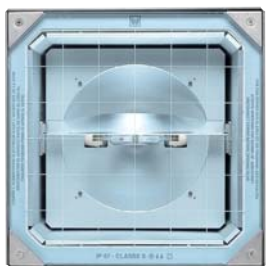


CRICKET 40/A NS Asymmetrical reflector adjustable $\pm 10^\circ$ - models with non-slip glass.

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\frac{\text{Cos}\phi}{\geq 0,9}$	Code	Notes	T max °C
RX7s	70W	SD-MD		A	04	II	CR		• 05072890		67°
E40	100W	ST		A	04	II	CR		• 05063490		69°
RX7s	150W	SD-MD		A	04	II	CR		• 05063590		88°
RX7s	150W	SD-MD		A	04	II	CR		• 05068890	👉	72°
E40	150W	ST-MT		A	04	II	CR		• 05063690		89°
E40	150W	ST-MT		A	04	II	CR		• 05068990	👉	76°
E40	250W	ST-MT		A	04	II	CR		• 05063790		122°

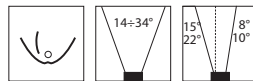


👉 Models LT. with low-emission filter reducing external temperature on glass.

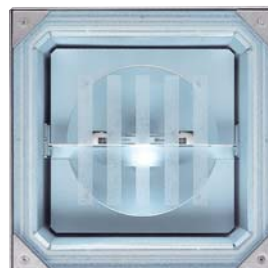


CRICKET 40/C Circular reflector adjustable $\pm 10^\circ$ - models with clear glass.

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\frac{\text{Cos}\phi}{\geq 0,9}$	Code	Notes	T max °C
RX7s	70W	SD-MD		C	04	II	CR		• 05095790		75°
RX7s	150W	SD-MD		C	04	II	CR		• 05066490		101°
RX7s	150W	SD-MD		C	04	II	CR		• 05068790	👉	93°
Fc2	250W	MD		C	04	II	CR		• 05066590		140°
Fc2	250W	SD		C	04	II	CR		• 05066890		147°

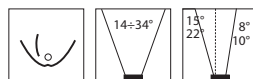


👉 Models LT. with low-emission filter reducing external temperature on glass.



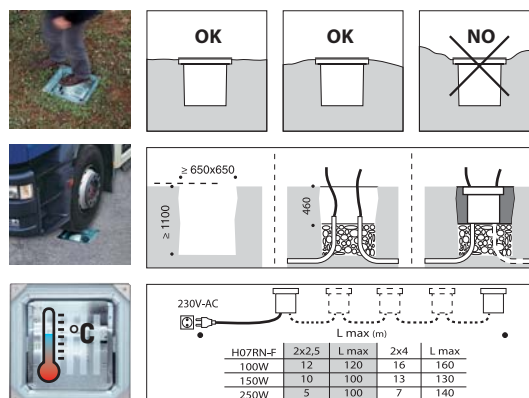
CRICKET 40/C NS Circular reflector adjustable $\pm 10^\circ$ - models with non-slip glass.

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL = $\frac{\text{Cos}\phi}{\geq 0,9}$	Code	Notes	T max °C
RX7s	70W	SD-MD		C	04	II	CR		• 05095890		75°
RX7s	150W	SD-MD		C	04	II	CR		• 05063890		101°
RX7s	150W	SD-MD		C	04	II	CR		• 05069090	👉	93°
Fc2	250W	MD		C	04	II	CR		• 05066190		140°
Fc2	250W	SD		C	04	II	CR		• 05066990		147°



👉 Models LT. with low-emission filter reducing external temperature on glass.

When installing fittings within public access it is advisable to be aware of the glass temperatures indicated (**T max °C**) and confirm measurements at rated voltage are in accordance with national and local standards.



A0205	A0251 - A0252	A0337	A0382
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Code	Denomination	Description
14011320	A0205	Anti-vandal locking set comprising 20 stainless steel screws DIN 7991 TP4 (sufficient for no.5 fittings) plus 1 key.
14027420	A0252	CRICKET 40 frosted glass.
14027320	A0251	Supplement for Cricket 40 frosted glass factory fitted to be ordered as a separate item along with fitting.
14053720	A0337	H07RN-F 2x2.5mm ² rubber cable supplied and sold in 1 metre units.
14076820	A0383	1 metre H07RN-F 2x2.5 mm ² cable supplied complete with fitting.





CRICKET 61 contemporary linear IP67 recessed fittings suitable for indoor and outdoor applications with extremely low glass surface temperatures (47°C max.), designed to take the load and impact from pedestrians and motor vehicles. Cricket 61 is suitable for in-ground, wall, ceiling and under-canopy installations providing energy efficient lighting for public areas, advertising signage, façades / walls, and highlighting architectural features. Cricket 61 has a distinctive contemporary linear design manufactured in high quality corrosion resistant materials and finishing, with cover frames in stainless steel or die-cast aluminium finished polyester aluminium grey.

Cricket 61 lamp options:

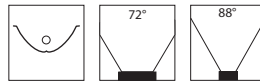
- High Efficiency 14W T5 (HE) and High Output 24W T5 (HO), with excellent colour rendering and longevity.
- High efficiency LED's and RGB colour changing.

- Technopolymer body and outer recessing enclosure provides good corrosion resistance.
- Cover frames in die-cast aluminium finished (Cricket 61/AL) or AISI 316 stainless steel (Cricket 61/Inox).
- Reflectors in high purity 99.85% aluminium anodised and polished.
- Silicone rubber anti-ageing gaskets.
- Toughened "safety" glass.
- Electronic ballasts 220-240V, 50/60Hz.
- Two PG M20x1.5 cable glands complete with bung, for single or through wiring connection (no LED RGB).
- Two 2x2.5 mm² push fit terminals pre-wired for through wiring connection with 2x1.5 mm² cable.
- Stainless steel screws. Special options for voltage / frequency, colours and V0-850° self extinguishing materials are available on request.



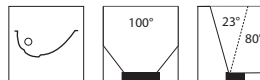
CRICKET 61/S AL-I

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL = Cosφ ≥ 0,9	Code	Notes	⚡	T max °C
G5	14-24W	FDH		S	94	II	ETRC A2	•	05096894	E I	•	47°
G5	14-24W	FDH		S	04	II	ETRC A2	•	05097204	E I	•	47°



CRICKET 61/A AL-I

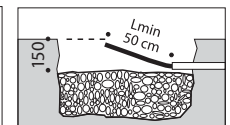
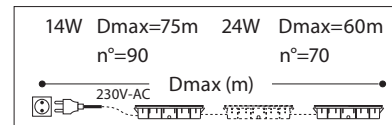
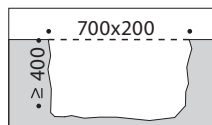
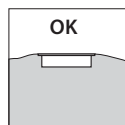
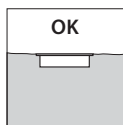
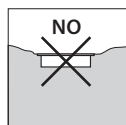
Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL = Cosφ ≥ 0,9	Code	Notes	⚡	T max °C
G5	14-24W	FDH		A	94	II	ETRC A2	•	05096694	E I	•	45°
G5	14-24W	FDH		A	04	II	ETRC A2	•	05097004	E I	•	45°



E I Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

INSTALLATION

CRICKET 61 IP67 recessed in-ground fittings may be subjected to heavy load and impact from pedestrians and motor vehicles during use. For optimum performance and safety it is important that they are correctly installed by a suitable qualified person, in strict accordance with the manufacturer's installation instructions. Cricket 61 are designed to withstand a maximum static load of 3200Kg when correctly installed into concrete and maximum travelling load, by motor vehicles with pneumatic tyres, of 15000Kg gross weight at a maximum speed of 30Km/h. If installed into earth then a maximum weight of 300Kg is advised due to less support. To maintain IP67 integrity use toughened rubber cable H07RN-F2.5 mm² Ø9-12mm (see range of accessories) or H07RN-F 2x2.5 mm² max Ø12mm cables only. Cricket 61 is suitable for through wiring connection subject to recommendations detailed in data shown (see table). The fittings must not be located in a hollow and should be seated on a gravel sump, of approximately 250 mm depth from base of fitting, to allow for water drainage.



ACCESSORIES



Code	Denomination	Description
14018320	A0235	Rubber cable H07RN-F 2x1.5mm ² supplied and sold in 1 metre units.
14076720	A0382	1 metre H07RN-F 2x1.5 mm ² cable supplied complete with fitting.
14026620	A0250/AL	Mechanical joining kit accessory for continuous line connection of two fittings. A0250/AL - Aluminium plate finished aluminium grey
14026720	A0250/Inox	A0250/I - AISI 316 stainless steel plate. In outdoor applications we recommend a maximum of five units /AL and ten units /Inox.



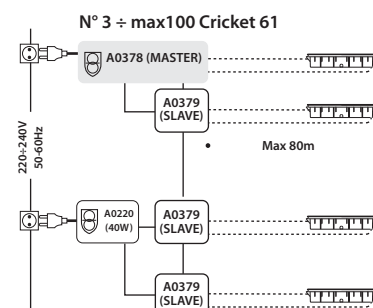
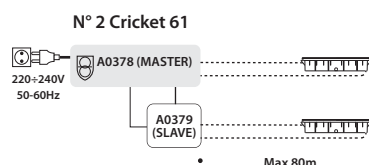
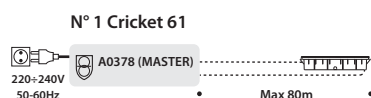
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Ⓢ	T max °C
n° 8 led 350 mA DC	11,2W		○ 6.000°	C 15°	94	II	ETRC			06013594			32°
n° 8 led 350 mA DC	11,2W		○ 6.000°	C 15°	04	II	ETRC			06013804			32°
n° 8 led 350 mA DC	11,2W		Blue	C 15°	94	II	ETRC			06013694			32°
n° 8 led 350 mA DC	11,2W		Blue	C 15°	04	II	ETRC			06013904			32°

LED versions must be fed from a 220÷240V 50/60Hz mains supply. They are supplied complete with two cable glands with internal wiring suitable for single or through wiring connection (Maximum 35 fittings on a maximum 100M length).



Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	T max °C
n.5 led RGB 350mA DC 18 W			RGB	C 45°	94	III				06013794	!	32°
n.5 led RGB 350mA DC 18 W			RGB	C 45°	04	III				06014004	!	32°

- Operating 1 fitting: one MASTER unit A0378
- Operating 2 fittings: one MASTER unit A0378 + one SLAVE unit A0379.
- Operating 3 up to a max 100 fittings: one MASTER unit A0378 + A0379 "qty" SLAVE units + A0220/40 "qty" Transformer.
- A0379 "qty" = (Total no. fittings - 1)
- A0220/40 "qty" = (rounding up total no. fittings to nearest multiple 2) ÷ 2.



A0378	A0379	A0220/40	A0381	A0380
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TYCO 10

design Silvia Paola Pennacchio



TYCO die cast aluminium IP66 spot lights for halogen, dichroic and LED lamps suitable for indoor and outdoor applications. A compact and contemporary designed fitting manufactured from high quality materials and precision finishing. Ideal for highlighting and architectural feature / effect lighting, museums, sculptures, galleries, retail, showrooms, gardens and parks etc. TYCO are available in two sizes:

- Tyco 10, suitable for lamp types (maximum); 50W halogen, 50W dichroic and 3x1W LED.
- Tyco 20, suitable for lamp types (maximum); 150W metal halide and 75W halogen.

- Body, frame and control gear box in chromate pre treated corrosion resistant die cast painted aluminium grey or matt black.
- Toughened safety glass.
- Reflector in high purity 99.85% aluminium anodized and polished.
- Gasket locating ring in technopolymer, resistant to very high temperatures.
- Silicone gaskets
- Internal Teflon / silicone sheathed cables.
- Cable entry Ø7-10mm-2x1-1.5mm²
- Stainless steel external screws.

TYCO 10



TYCO 12



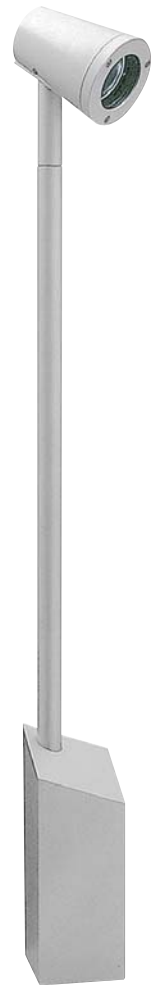
TYCO 14



TYCO 15



TYCO 13

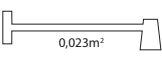
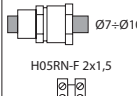


Tyco offers a solution to a variety of applications with the following versions:

- Tyco 10
- Tyco 12
- Tyco 13
- Tyco 14
- Tyco 15

Tyco LED versions are non-UV transmitting and minimum heat radiated fittings making them particularly useful for areas sensitive to UV and heat e.g. galleries, paintings, artwork, museums, ancient artefacts etc.

Tyco 10/51 - 12/51 - 14/51 - 13/51 models are complete with self adjustable lamp positioning for wide to narrow beam light distributions.

						Tyco 10 IK 07 2J 0,014m ²		Tyco 12 IK 06 1J 0,023m ²						
CLASS II		CLASS III		81 94	IP 66						 Max 50W GZ10	 Max 50W GU5,3	 Max 50W GY6,35	 Max 3x1W
 • 133 • • Ø115 •	 • Ø87 • • 194 •	 350° Kg = 0,8max	 • 200 •	 135°	 Max 650 Kg = 1,2max	 Ø7÷Ø10 H05RN-F 2x1,5 2x2,5mm ²		 Min 100 mm	 Min 300 mm					

TYCO 10

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GU5,3	max 50W/12V	HRGS			94	III				• 01019294	!¹
GY6,35	max 50W/12V	HSGS		C	94	III				• 01019394	!¹
GZ10	max 50W	HRGS			94	II				• 01020494	!²
GU5,3	max 50W/12V	HRGS			94	II	ETRC			• 04010094	T
GY6,35	max 50W/12V	HSGS		C	94	II	ETRC			• 04012094	T
N.3 led 350mA	4,2W		○ 6.000°	C 45°	94	II	ETRC			• 06009994	E
GU5,3	max 50W/12V	HRGS			81	III				• 01028681	!¹
GY6,35	max 50W/12V	HSGS		C	81	III				• 01028781	!¹
GZ10	max 50W	HRGS			81	II				• 01028881	!²
GU5,3	max 50W/12V	HRGS			81	II	ETRC			• 04017481	T
GY6,35	max 50W/12V	HSGS		C	81	II	ETRC			• 04017581	T
N.3 led 350mA	4,2W		○ 6.000°	C 45°	81	II	ETRC			• 06010081	E

E Complete with electronic ballast non dimmable 95÷240V 50/60Hz.

T Complete with electronic transformer non dimmable 230V 50/60Hz.

!¹ Models less transformer require 12V supply.

!² Models for mains voltage lamp versions.

TYCO 12

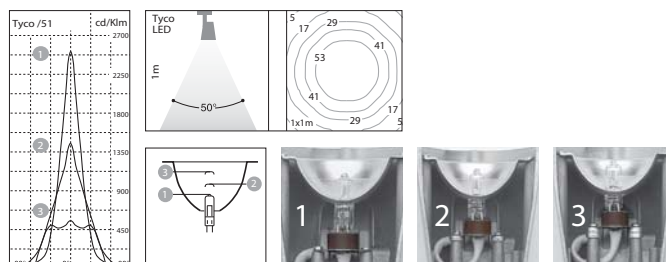
Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GU5,3	max 50W/12V	HRGS			94	III				• 01020894	!¹
GY6,35	max 50W/12V	HSGS		C	94	III				• 01020994	!¹
GZ10	max 50W	HRGS			94	II				• 01021094	!²
GU5,3	max 50W/12V	HRGS			94	II	ETRC			• 04012194	T
GY6,35	max 50W/12V	HSGS		C	94	II	ETRC			• 04012294	T
GU5,3	max 50W/12V	HRGS			81	III				• 01028981	!¹
GY6,35	max 50W/12V	HSGS		C	81	III				• 01029081	!¹
GZ10	max 50W	HRGS			81	II				• 01029181	!²
GU5,3	max 50W/12V	HRGS			81	II	ETRC			• 04017681	T
GY6,35	max 50W/12V	HSGS		C	81	II	ETRC			• 04017781	T

T Complete with electronic transformer non dimmable 230v 50/60hz.

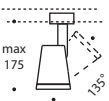
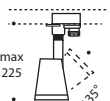
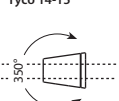
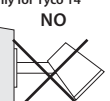
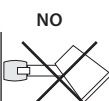
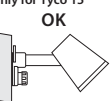
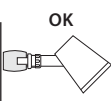
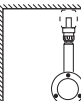
!¹ Models less transformer require 12V supply.

!² Models for mains voltage lamp versions.

Models complete with self adjustable lamp, in three positions, for wide to narrow beam light distributions.



TYCO 14-15

					Tyco 14 IK 05 2J		Tyco 15 IK 05 0,7J		 max0,55kg					
CLASS II		CLASS III		81 94	IP 20						 Max 50W GZ10	 Max 50W GU5,3	 Max 50W GY6,35	 Max 3x1,4W
 Tyco 14 kg = 0,45 max	 Tyco 15 kg = 0,55 max		 OK	 NO	 NO	 OK	 OK	 Min 80 mm						

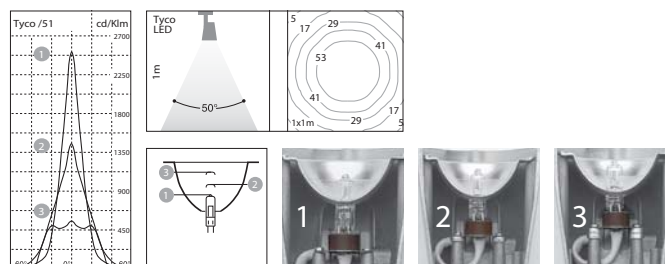


TYCO 14 Low voltage track fixing 12V

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
GU5,3	max 50W/12V	HRGS			81	III				01029581	!
GU5,3	max 50W/12V	HRGS			94	III				01020594	!
GY6,35	max 50W/12V	HSGS		C	81	III				01029681	!
GY6,35	max 50W/12V	HSGS		C	94	III				01020694	!

! Models less transformer require 12V supply.

🔧 Models complete with self adjustable lamp, in three positions, for wide to narrow beam light distributions.



TYCO 15 Low voltage track fixing 230V

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
GZ10	max 50W	HRGS			81	II				01029781	!
GZ10	max 50W	HRGS			94	II				01020794	!
N.3 led 350mA	4,2W		○ 6.000°	C 45°	81	II	ETRC			06010181	E I
N.3 led 350mA	4,2W		○ 6.000°	C 45°	94	II	ETRC			06009894	E I

E I Complete with electronic ballast non dimmable 95÷240V 50/60Hz.

! Models for mains voltage supply 220-240V



					IK 07 2J															
CLASS II		CLASS III			81 94	IP 66												HRGS Max 50W GZ10	HRGS Max 50W GU5,3	HSGS Max 50W GY6,35



TYCO 13 Complete with steel spike

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GU5,3	max 50W/12V	HRGS			81	III				• 01029281	!¹
GU5,3	max 50W/12V	HRGS			94	III				• 01021194	!¹
GY6,35	max 50W/12V	HSGS		C	81	III				• 01029381	!¹
GY6,35	max 50W/12V	HSGS		C	94	III				• 01021294	!¹
GZ10	max 50W	HRGS			81	II				• 01029481	!²
GZ10	max 50W	HRGS			94	II				• 01021394	!²
GU5,3	max 50W/12V	HRGS			81	II	ETRC			• 04017881	T
GU5,3	max 50W/12V	HRGS			94	II	ETRC			• 04012394	T
GY6,35	max 50W/12V	HSGS		C	81	II	ETRC			• 04017981	T
GY6,35	max 50W/12V	HSGS		C	94	II	ETRC			• 04012494	T

T Complete with electronic transformer non dimmable 230V 50/60Hz.

!¹ Models less transformer require 12V supply.

!² Models for mains voltage lamp versions.

Models complete with self adjustable lamp, in three positions, for wide to narrow beam light distributions.

Tyco 13 ground mounted spot light suitable for small architectural detail and feature lighting, gardens, and pathways etc.

Tyco 13 painted aluminium grey

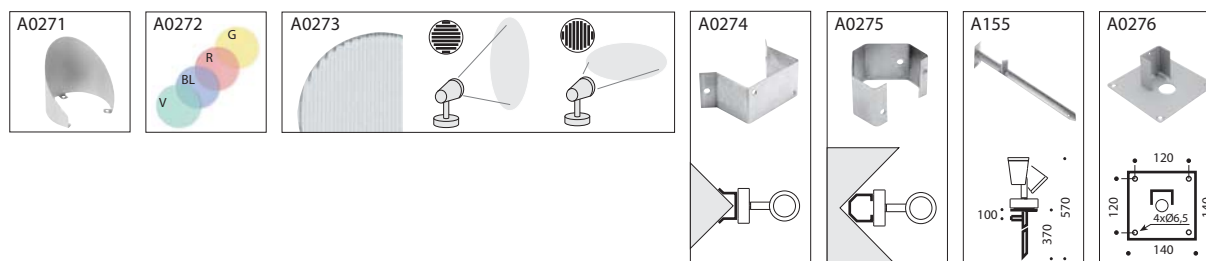
- Wiring box / ground mounting base unit suitable for through wiring connection.

- Tubular aluminium arm and die cast aluminium body.

- Supplied complete with hot dipped galvanised stainless steel spike for ground or concrete installation.

- A0276 ground mounting plate accessory.

ACCESSORIES



Code	Denomination	Colour	Description
14048381	A0271	81	External aluminium cowl finished polyester painted matt black.
14037894	A0271	94	External aluminium cowl finished polyester painted aluminium grey.
14037920	A0272	R	Internal dichroic colour filters (not suitable for TYCO GZ10 lamp or use with A0273 accessory).
14038020	A0272	G	Internal dichroic colour filters (not suitable for TYCO GZ10 lamp or use with A0273 accessory).
14038120	A0272	V	Internal dichroic colour filters (not suitable for TYCO GZ10 lamp or use with A0273 accessory).
14038220	A0272	BL	Internal dichroic colour filters (not suitable for TYCO GZ10 lamp or use with A0273 accessory).
14038320	A0273		Internal prismatic glass rotates through 180° to give oval light distribution (not suitable for TYCO GZ10 lamp or use with A0273 accessory).
14038404	A0274	04	AISI 304 stainless steel bracket for external 90° corner mounting (not suitable for TYCO 13, 14 and 15).
14038504	A0275	04	AISI 304 stainless steel bracket for internal 90° corner mounting (not suitable for TYCO 13, 14 and 15).
14040936	A155		TYCO 10/12 galvanised steel spike for ground installation.
14048481	A0276	81	TYCO 13 stainless steel ground mounting plate finished polyester painted matt black.
14038694	A0276	94	TYCO 13 stainless steel ground mounting plate finished polyester painted aluminium grey.



TYCO 11 die cast aluminium spotlight fittings suitable for indoor and outdoor applications, designed for use with new generation compact metal halide lamps; CDM-TM 20W/CMH MR16 20W. A contemporary designed fitting manufactured from high quality materials, suitable for a variety of applications as accent and feature lighting; for buildings façades, highlighting architectural features in museums, churches, galleries or effect lighting in retail and showrooms etc.

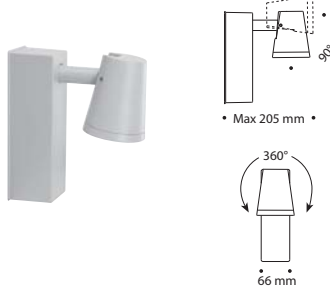
TYCO 11 is available in the following versions:

- TYCO 11 MT for floor or wall mounted
- TYCO 11 SLIM FL (floor) floor mounted only.
- TYCO 11 SLIM WL (wall) wall mounted only.
- TYCO 11 RM + BOX TYCO 11 RM MT with remote gear box.

Ideal for applications that require gear box to be hidden discreetly, gear box to be ordered as a separate item in addition to spotlight fitting.

- Fitting constructed from corrosion resistant die-cast and extruded aluminium finished polyester powder coated or MATT BLACK.
- 5mm toughened safety glass.
- High performance reflectors, where utilised, in high purity (99.85%) aluminium anodised and polished.
- Anti-ageing silicon gaskets
- Teflon insulated cables with silicon sleeving.
- Automatic isolating terminal.
- Rubber grommet for cables diam.7-10mm - 2x1,5 mm²
- Stainless steel external fixings.

Accessories to meet the most varied installation requirements.



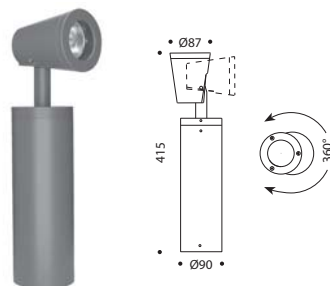
TYCO 11/20 MT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
PGJ5	20	MC		C	81	I	ETRC			04023881	
PGJ5	20	MC		C	94	I	ETRC			04023994	
PGJ5	20	MC		C	96	I	ETRC			04024096	



TYCO 11/21 MT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GX10	20	MR16			81	I	ETRC			04025181	
GX10	20	MR16			94	I	ETRC			04025294	
GX10	20	MR16			96	I	ETRC			04025396	



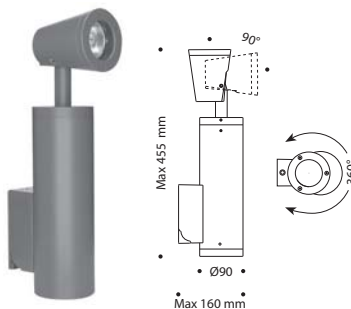
TYCO 11/20 SLIM / FL (Floor)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
PGJ5	20	MC		C	81	II	ETRC			04024181	
PGJ5	20	MC		C	94	II	ETRC			04024294	
PGJ5	20	MC		C	96	II	ETRC			04024396	



TYCO 11/21 SLIM / FL (Floor)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GX10	20	MR16			81	II	ETRC			04025481	
GX10	20	MR16			94	II	ETRC			04025594	
GX10	20	MR16			96	II	ETRC			04025696	



TYCO 11/20 SLIM / WL (Wall)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
PGJ5	20	MC		C	81	II	ETRC			04025781	
PGJ5	20	MC		C	94	II	ETRC			04025894	
PGJ5	20	MC		C	96	II	ETRC			04025996	



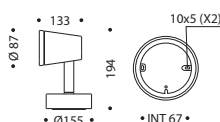
TYCO 11/21 SLIM / WL (Wall)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GX10	20	MR16			81	II	ETRC			04026081	
GX10	20	MR16			94	II	ETRC			04026194	
GX10	20	MR16			96	II	ETRC			04026296	

						11 MT IK 07 2J max 1,2 kg	11 SLIM FL/WL IK 08 6J max 2,1 kg	11 RM IK 07 2J max 0,83 kg	BOX 11 RM IK 09 18J max 1,83 kg		
only for 11/MT	CLASS I 	CLASS II 	81	94	96				IP 66 	MC 20W CDM-TM	MR16 20W CMH-MR16
11 MT Min 0,3 m H05RN-F 3 x 1,5mm ² 		11 SLIM FLOOR - WALL OK OK NO Min 0,3 m H05RN-F 4x2,5mm ² M18x1,5 Ø5÷Ø10 						11 RM Min 0,3 m H07RN-F 2 x 1,5mm ² 			

TYCO 11/20 RM

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
PGJ5	20	MC		C	81	II				01043581	¹
PGJ5	20	MC		C	94	II				01043694	¹
PGJ5	20	MC		C	96	II				01043796	¹



TYCO 11/21 RM

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GX10	20	MR16			81	II				01044781	²
GX10	20	MR16			94	II				01044894	²
GX10	20	MR16			96	II				01044996	²

¹ Control gear available in remote box TYCO11/20 RM

² Control gear available in remote box TYCO11/21 RM

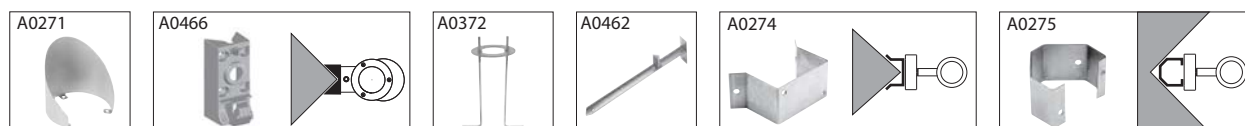
BOX TYCO 11/20 RM Complete with 2m of cable H07RN8-F

W	Ilcos	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code
20	MC	81	II	ETRC			14092581
20	MC	94	II	ETRC			14094194
20	MC	96	II	ETRC			14094296

BOX TYCO 11/21 RM Complete with 2m of cable H07RN8-F

W	Ilcos	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code
20	MR16	81	II	ETRC			14094381
20	MR16	94	II	ETRC			14094494
20	MR16	96	II	ETRC			14094596

ACCESSORIES



Code	Denomination	Colour	Description
14048381	A0271	81	External aluminium cowl finished powder coated black
14037894	A0271	94	External aluminium cowl finished powder painted aluminium grey.
14096296	A0271	96	External aluminium cowl finished powder coated.
14038404	A0274	04	AISI 304 stainless steel bracket for external 90° corner mounting (only for TYCO 11 RM).
14038504	A0275	04	AISI 304 stainless steel bracket for internal 90° corner mounting (only for rTYCO 11 RM).
14094681	A0466	81	90° Angle wall bracket TYCO 11 SLIM/FL black.
14094794	A0466	94	90° Angle wall bracket TYCO 11 SLIM painted aluminium grey.
14094896	A0466	96	90° Angle wall bracket TYCO 11 SLIM grey.
14071320	A0372		Anchor rods for in-ground concrete mounting stainless steel plate with galvanised steel rods (TYCO11 SLIM/FL only).
14092202	A0462		Galvanised steel ground mounting spike (TYCO11 SLIM/FL only)
14093920	A0464		20W CDM-TM electronic ballast mounted on galvanised steel gear tray supplied with 2M cable. - IP20 class I -
14094020	A0465		20W CMH-MR16 electronic ballast mounted on galvanised steel gear tray supplied with 2M cable. - IP20 class I -



TYCO 20 higher wattage spot lights are the larger versions within the TYCO range suitable for lamps up to 150W metal halide and Halospot 111 max 75W. Providing dramatic effect lighting for modern and historical buildings, walls, façades, parks and gardens. Available in three versions:
 TYCO 20: with integral control gear box.
 TYCO 21 + Box Tyco 21: fitting with remote control gear box. Ideal for installations that require hidden gear boxes, appropriate gear box should be ordered as a separate item in addition to fitting.
 TYCO 22: fitting complete with transformer.
 TYCO 23: fitting and box are parts of a single body developed on column, to fix directly to the floor or to the ceiling (according to the models).

- Body, frame and control gear box in sand-blasted chromate pre-treated corrosion resistant die cast aluminium finished polyester or matt black
- Toughened safety glass.
- Silicone anti-ageing gaskets.
- Reflector in high purity aluminium anodized and polished, available as INT (narrow beam), M (medium) and W (wide).
- M16x1.5 cable gland for Ø5-10mm cables (Tyco 21 and 22; M18x1.5 for Ø8-10mm cables).
- 3x2.5 mm² automatic isolating terminal switch, automatically interrupts supply on opening fitting to provide extra safety. Tyco 22 standard terminal; 2x2.5mm².
- Stainless steel external screws.

TYCO 20



Tyco 20 INT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C INT	94	II	CR		•	05162794	
G12	70W	MT		C INT	94	II	CR		•	05162894	
G12	150W	MT		C INT	94	II	CR		•	05162994	
G12	35W	MT		C INT	94	I	ETRC		•	05168694	EI
G12	70W	MT		C INT	94	I	ETRC		•	05168794	EI
G12	35W	MT		C INT	81	II	CR		•	05163781	
G12	70W	MT		C INT	81	II	CR		•	05163881	
G12	150W	MT		C INT	81	II	CR		•	05163981	
G12	35W	MT		C INT	81	I	ETRC		•	05169281	EI
G12	70W	MT		C INT	81	I	ETRC		•	05169381	EI



Tyco 20 M

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C M	94	II	CR		•	05163094	
G12	70W	MT		C M	94	II	CR		•	05163194	
G12	150W	MT		C M	94	II	CR		•	05163294	
G12	35W	MT		C M	94	I	ETRC		•	05168894	EI
G12	70W	MT		C M	94	I	ETRC		•	05168994	EI
G12	35W	MT		C M	81	II	CR		•	05164081	
G12	70W	MT		C M	81	II	CR		•	05164181	
G12	150W	MT		C M	81	II	CR		•	05164281	
G12	35W	MT		C M	81	I	ETRC		•	05169481	EI
G12	70W	MT		C M	81	I	ETRC		•	05169581	EI

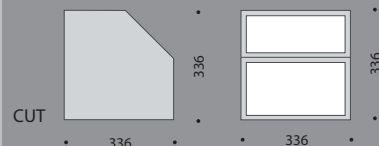
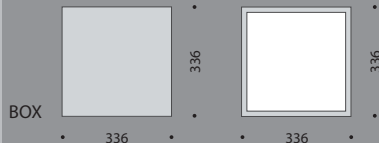


Tyco 20 W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C W	94	II	CR		•	05163394	
G12	70W	MT		C W	94	II	CR		•	05163494	
G12	150W	MT		C W	94	II	CR		•	05163594	
G12	35W	MT		C W	94	I	ETRC		•	05169094	EI
G12	70W	MT		C W	94	I	ETRC		•	05169194	EI
G12	35W	MT		C W	81	II	CR		•	05164381	
G12	70W	MT		C W	81	II	CR		•	05164481	
G12	150W	MT		C W	81	II	CR		•	05164581	
G12	35W	MT		C W	81	I	ETRC		•	05169681	EI
G12	70W	MT		C W	81	I	ETRC		•	05169781	EI

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

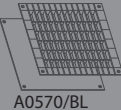
ACCESSORIES



A0570/BOX



A0570/GR



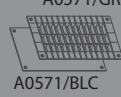
A0570/BL

Code	Colour	Denomination	Description
14140175	75	A0570/BOX	BOX structure with 2 open sides.
14140275	75	A0570/BL	Blind plug for BOX structure.
14140375	75	A0570/GR	Grid for BOX structure.

A0570/CUT



A0571/GRC



A0571/BLC

Code	Colour	Denomination	Description
14140475	75	A0571/CUT	BOX structure with 3 open sides.
14140575	75	A0571/BLC	Blind plug for BOX structure.
14140675	75	A0571/GRC	Grid for BOX structure.

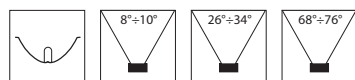
				TYCO 20 IK 08 6J max 5,5 kg	TYCO 21 IK 08 6J max 1,5 kg	BOX TYCO 21 IK 09 10J max 4 kg	TYCO 22/T IK 08 6J max 3,3 kg				
Electronic ballast version CLASS I 	Magnetic ballast version CLASS II 	81	94	IP 66 						HMGS max 75W	MT max 150W

TYCO 20 • Ø165 • 310 • 480 • 255 • Ø125 • 90° ETRC VERSIONS CLASS I H05RN-F 3x2,5mm² CR VERSIONS CLASS II H05RN-F 2x2,5mm² M16x1,5 Ø5-Ø10	TYCO 21 • Ø165 • 310 • 255 • 90° CR VERSIONS CLASS II H05RN-F 2x2,5mm² M18x1,5 Ø8-Ø10	BOX TYCO 21 • 255 • 155 • Ø125 CR VERSIONS CLASS II H05RN-F 2x2,5mm² M16x1,5 Ø5-Ø10	TYCO 22/T • Ø165 • 310 • 255 • 90° CR VERSIONS CLASS II H05RN-F 2x2,5mm² M18x1,5 Ø8-Ø10
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TYCO 21

Tyco 21

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp	Code	Notes
G12	35/70/150W	MT		C INT	94	II		≥ 0,9		01032794	
G12	35/70/150W	MT		C M	94	II		≥ 0,9		01032894	
G12	35/70/150W	MT		C W	94	II		≥ 0,9		01032994	
G12	35/70/150W	MT		C INT	81	II		≥ 0,9		01033081	
G12	35/70/150W	MT		C M	81	II		≥ 0,9		01033181	
G12	35/70/150W	MT		C W	81	II		≥ 0,9		01033281	



To combine with respective Box Tyco 21

TYCO 22

Tyco 22 / T With integral transformer

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp	Code	Notes
G53	75W	HMGS			94	II	T	≥ 0,9		04018994	T
G53	75W	HMGS			81	II	T	≥ 0,9		04019081	T



T Tyco 22 / T suitable for Halospot 111 low voltage halogen lamps (not included). Fitting complete with adjustable base and low voltage transformer 230-240V, 50/60Hz supply for 35/50 and 75W lamps.

- Tyco 22 / T fittings are designed for highlighting / feature lighting offering high uniformity and flexibility with a range light distributions; 4°, 24° or 45° and 3000°K colour temperature.
- Body, frame and wiring / gear box in chromate pre-treated corrosion resistant die-cast aluminium finished polyester or matt black.
 - Toughened safety glass.
 - Anti-ageing silicone gasket.
 - M18x1.5 cable gland for Ø8-10mm cables.
 - 2x2,5 mm² automatic isolating terminal, automatically interrupts supply on opening fitting to provide extra safety.
 - Stainless steel external screws.

ACCESSORIES

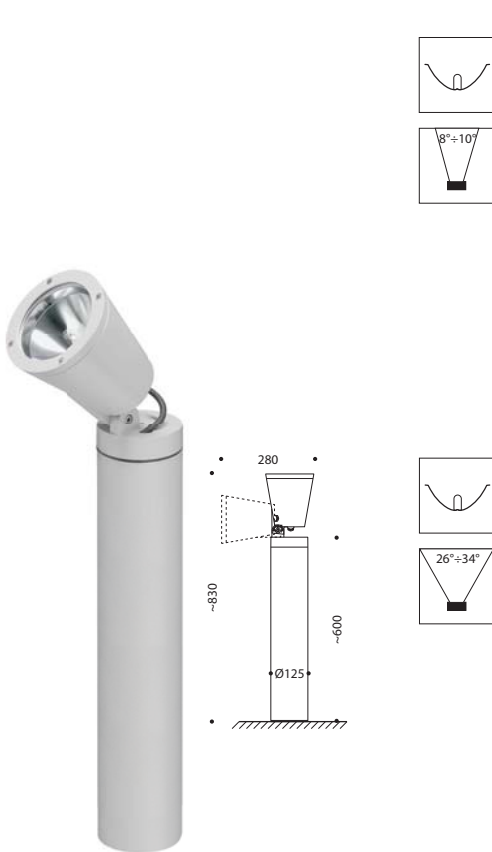


Code	Denomination	Colour	Description
14064994	A0351	94	External aluminium cowl finished polyester aluminium grey.
14065081	A0351	81	External aluminium cowl finished polyester painted matt black.
14065112	A0352		Internal aluminium circular baffle, suitable for INT versions only.
14065220	A0353		Frosted glass.
14065320	A0354		Supplement for frosted glass.
14065420	A0355		Prismatic glass suitable for Tyco 20-21 70W max only.
14065502	A0356		Ground/ceiling angle bracket. (TYCO 20)
14065602	A0357		Galvanised steel ground mounting spike, for TYCO 20 or Box TYCO 21.
14065702	A0358		Galvanised steel ground mounting spike, suitable for TYCO 21 and TYCO 22.
14065894	A0359	94	Pole mounting clamp finished aluminium grey suitable for TYCO 20 or Box TYCO 21 only.
14065981	A0359	81	Pole mounting clamp finished black suitable for TYCO 20 or Box TYCO 21 only.
14066020	A0360		M16x1.5 anti-tearing cable gland kit.

TYCO 23

Electronic ballast version CLASS I 	Magnetic ballast version CLASS II 		IP 66 				MT 35÷150W CDM-T HCI-T
TYCO 23/6 	TYCO 23/9 	Electronic ballast version H05RN-F 3G1,5mm²	Magnetic ballast version H05RN-F 2x1,5mm²				

- Fitting head, glass cover frame, and base manufactured from die-cast aluminium sandblasted and phosphor-chromate pre-treatment, finished painted; anthracite-grey, silver-grey, or black.
- Cylindrical control gear body manufactured from extruded aluminium, with robust fixing base in zinc coated steel, finished painted; anthracite-grey, silver-grey, or black.
- 5mm toughened safety glass.
- High purity aluminium reflector anodised and polished.
- Ceramic G12 lampholder with high temperature resistant cables.
- Wiring box in fibreglass reinforced technopolymer.
- M16x1.5 tear resistant IP68 cable gland suitable for Ø5-10mm type H05RN-F.
- Anti-ageing single piece (no joints) silicone gasket.
- Stainless steel external fixings.
- CLASS I fittings, supply 220-240V, 50/60Hz for 35W and 70W fittings, electronic control gear.
- CLASS II fittings, supply 230V 50/60Hz for 35W, 70W and 150W fittings, conventional magnetic control gear versions, other voltages available on request.



Tyco 23/6 INT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C INT	94	II	CR			05296994	
G12	70W	MT		C INT	94	II	CR			05297294	
G12	150W	MT		C INT	94	II	CR			05297594	
G12	35W	MT		C INT	94	I	ETRC			05297894	E I
G12	70W	MT		C INT	94	I	ETRC			05298194	E I
G12	35W	MT		C INT	96	II	CR			05297096	
G12	70W	MT		C INT	96	II	CR			05297396	
G12	150W	MT		C INT	96	II	CR			05297696	
G12	35W	MT		C INT	96	I	ETRC			05297996	E I
G12	70W	MT		C INT	96	I	ETRC			05298296	E I
G12	35W	MT		C INT	81	II	CR			05296881	
G12	70W	MT		C INT	81	II	CR			05297181	
G12	150W	MT		C INT	81	II	CR			05297481	
G12	35W	MT		C INT	81	I	ETRC			05297781	E I
G12	70W	MT		C INT	81	I	ETRC			05298081	E I

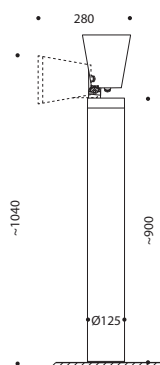
Tyco 23/6 M

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C M	94	II	CR			05298494	
G12	70W	MT		C M	94	II	CR			05298794	
G12	150W	MT		C M	94	II	CR			05299094	
G12	35W	MT		C M	94	I	ETRC			05299394	E I
G12	70W	MT		C M	94	I	ETRC			05299694	E I
G12	35W	MT		C M	96	II	CR			05298596	
G12	70W	MT		C M	96	II	CR			05298896	
G12	150W	MT		C M	96	II	CR			05299196	
G12	35W	MT		C M	96	I	ETRC			05299496	E I
G12	70W	MT		C M	96	I	ETRC			05299796	E I
G12	35W	MT		C M	81	II	CR			05298381	
G12	70W	MT		C M	81	II	CR			05298681	
G12	150W	MT		C M	81	II	CR			05298981	
G12	35W	MT		C M	81	I	ETRC			05299281	E I
G12	70W	MT		C M	81	I	ETRC			05299581	E I

Tyco 23/6 W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C W	94	II	CR			05299994	
G12	70W	MT		C W	94	II	CR			05300294	
G12	150W	MT		C W	94	II	CR			05300594	
G12	35W	MT		C W	94	I	ETRC			05300894	E I
G12	70W	MT		C W	94	I	ETRC			05301194	E I
G12	35W	MT		C W	96	II	CR			05300096	
G12	70W	MT		C W	96	II	CR			05300396	
G12	150W	MT		C W	96	II	CR			05300696	
G12	35W	MT		C W	96	I	ETRC			05300996	E I
G12	70W	MT		C W	96	I	ETRC			05301296	E I
G12	35W	MT		C W	81	II	CR			05299881	
G12	70W	MT		C W	81	II	CR			05300181	
G12	150W	MT		C W	81	II	CR			05300481	
G12	35W	MT		C W	81	I	ETRC			05300781	E I
G12	70W	MT		C W	81	I	ETRC			05301081	E I

E I Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



Tyco 23/9 INT

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C INT	94	II	CR		•	05301494	
G12	70W	MT		C INT	94	II	CR		•	05301794	
G12	150W	MT		C INT	94	II	CR		•	05302094	
G12	35W	MT		C INT	94	I	ETRC		•	05302394	E I
G12	70W	MT		C INT	94	I	ETRC		•	05302694	E I
G12	35W	MT		C INT	96	II	CR		•	05301596	
G12	70W	MT		C INT	96	II	CR		•	05301896	
G12	150W	MT		C INT	96	II	CR		•	05302196	
G12	35W	MT		C INT	96	I	ETRC		•	05302496	E I
G12	70W	MT		C INT	96	I	ETRC		•	05302796	E I
G12	35W	MT		C INT	81	II	CR		•	05301381	
G12	70W	MT		C INT	81	II	CR		•	05301681	
G12	150W	MT		C INT	81	II	CR		•	05301981	
G12	35W	MT		C INT	81	I	ETRC		•	05302281	E I
G12	70W	MT		C INT	81	I	ETRC		•	05302581	E I

Tyco 23/9 M

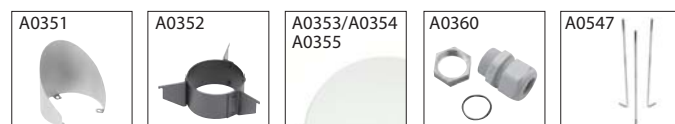
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C M	94	II	CR		•	05302994	
G12	70W	MT		C M	94	II	CR		•	05303294	
G12	150W	MT		C M	94	II	CR		•	05303594	
G12	35W	MT		C M	94	I	ETRC		•	05303894	E I
G12	70W	MT		C M	94	I	ETRC		•	05304194	E I
G12	35W	MT		C M	96	II	CR		•	05303096	
G12	70W	MT		C M	96	II	CR		•	05303396	
G12	150W	MT		C M	96	II	CR		•	05303696	
G12	35W	MT		C M	96	I	ETRC		•	05303996	E I
G12	70W	MT		C M	96	I	ETRC		•	05304296	E I
G12	35W	MT		C M	81	II	CR		•	05302881	
G12	70W	MT		C M	81	II	CR		•	05303181	
G12	150W	MT		C M	81	II	CR		•	05303481	
G12	35W	MT		C M	81	I	ETRC		•	05303781	E I
G12	70W	MT		C M	81	I	ETRC		•	05304081	E I

Tyco 23/9 W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C W	94	II	CR		•	05304494	
G12	70W	MT		C W	94	II	CR		•	05304794	
G12	150W	MT		C W	94	II	CR		•	05305094	
G12	35W	MT		C W	94	I	ETRC		•	05305394	E I
G12	70W	MT		C W	94	I	ETRC		•	05305694	E I
G12	35W	MT		C W	96	II	CR		•	05304596	
G12	70W	MT		C W	96	II	CR		•	05304896	
G12	150W	MT		C W	96	II	CR		•	05305196	
G12	35W	MT		C W	96	I	ETRC		•	05305496	E I
G12	70W	MT		C W	96	I	ETRC		•	05305796	E I
G12	35W	MT		C W	81	II	CR		•	05304381	
G12	70W	MT		C W	81	II	CR		•	05304681	
G12	150W	MT		C W	81	II	CR		•	05304981	
G12	35W	MT		C W	81	I	ETRC		•	05305281	E I
G12	70W	MT		C W	81	I	ETRC		•	05305581	E I

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

ACCESSORIES



Code	Denomination	Colour	Description
14064994	A0351	94	External aluminium cowl finished polyester aluminium grey.
14065081	A0351	81	External aluminium cowl finished polyester painted matt black.
14135396	A0351	96	External aluminium cowl finished polyester aluminium grey.
14065112	A0352		Internal aluminium circular baffle, suitable for INT versions only.
14065220	A0353		Frosted glass.
14065320	A0354		Supplement for frosted glass.
14065420	A0355		Prismatic glass suitable for Tyco 20-21 70W max only.
14066020	A0360		M16x1.5 anti-tearing cable gland kit.
14135220	A0547		Zinc-coated steel spikes to brick up in plinth of cement for the base fixing.

UWF 10

design Silvia Paola Pennacchio



UWF 10 extra low voltage (12V) small underwater floodlights for installation in fresh water only, to depths between 0.2 - 5.0 metres. UWF 10 fittings are designed for mounting underwater, but may also be used above ground with 20W lamps max. Ideal for small fountains and water displays. UWF 10 fittings are ideal for small fountains and water displays.

- Body and frame in technopolymer.
- Toughened safety glass.
- AISI 304 stainless steel bracket
- Nickel plated brass screws with PG11 cable gland for Ø6-10mm cables.

IP68 guaranteed only when using H07RN8-F 2x1,5 mm² toughened rubber cable supplied with fitting as accessory (A0235).



UWF 10/75-100

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GU5,3	max 50W/12V	HRGS			80	III				• 01961018	! ■
GY6,35	max 100W/12V	HSGS		C	80	III				• 01962018	! ■



! For 12V AC lamp supply.

■ Minimum order 12 pcs. or multiple quantities thereof.



UWF 10/75-100 + H07RN8-F

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
GU5,3	max 50W/12V	HRGS			80	III				• 01958018	! ■
GY6,35	max 100W/12V	HSGS		C	80	III				• 01959018	! ■



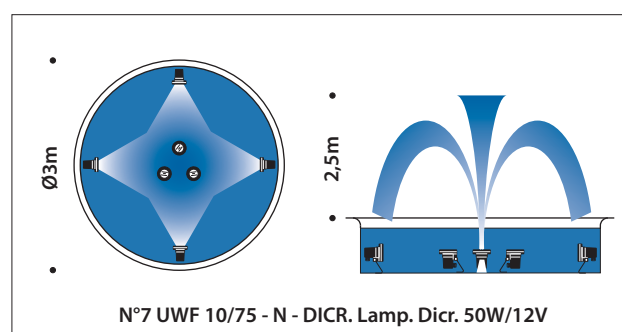
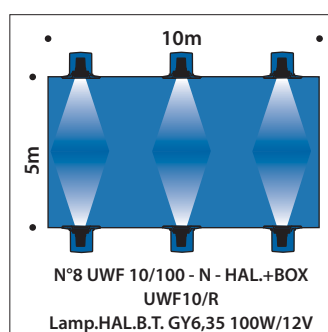
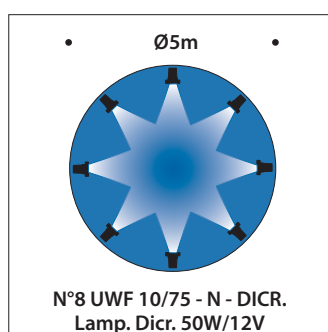
! For 12V AC lamp supply.

■ Fitting supplied complete with 4 metres of H07RN-F 2x1.5 mm² cable.



A0125	A0165	A0126/T	A0129	A0235	A0127	A0128/T
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Code	Denomination	Description
14421018	A0125	Floor / wall recessing accessory for UWF 10 fitting.
14002289	A0165	Accessory for recessed installations into plastic sheet wall.
14096120	A0126/T	CLASS II IP67 box complete with 1x100VA 220-240/12V transformer for ground and concrete recessed installation (non submersible above ground use only).
14422018	A0129	CLASS II IP67 wiring box for ground and wall recessed installation (non submersible above ground use only).
14018320	A0235	H07RN8-F 2x1.5mm ² rubber cable supplied and sold in 1 metre units.
14423998	A0127/T	1x100VA 220-240/12V safety transformer. Not suitable for installing within A0126 accessory.
14094920	A0128/T	1x350VA 240/12V safety transformer. Not suitable for installing within A0126 accessory.



UWF 22

design Silvia Paola Pennacchio



UWF 22 high power 300W PAR 56 extra low voltage (12V) underwater floodlights. Suitable for permanent submersible installation into depths between 0.3 - 5.0 metres. UWF 22 fittings are especially suited for swimming pools, water displays and fountains, creating dramatic and exciting effects.

UWF 22 is available in two versions: bronze (BR) and tecnopolymer (PPH). UWF 22 BR (Bronze) version is suitable for sea water installations.

UWF 22 PPH (Tecnopolymer) version is suitable for fresh water installations only.

UWF 22 BR:

- Body and frame in bronze alloy
- Anti-tearing IP68 nickel brass cable gland
- Stainless steel bracket
- Stainless steel external screws.

UWF 22 PPH:

- Body and frame in white or black tecnopolymer
- Anti-tearing IP68 nickel brass cable gland
- Stainless steel bracket
- Stainless steel external screws.



UWF 22/BR Suitable for sea water installations

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
screws	300	PAR 56		40	III					• 01979998	!1 !2 Q
screws	300	PAR 56		40	III					• 01941998	!1 !2 Q



!1 For 12V AC lamp supply.

!2 Bronze (BR) version is not suitable for recessing into walls or floors.

Supplied complete with 4m of H07RN8-F 2x4 mm² cable.

Fittings supplied complete with lamp.



UWF 22/PPH Suitable for installation in fresh water only

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
screws	300	PAR 56		80	III					• 01980998	!1 Q
screws	300	PAR 56		80	III					• 01981998	!1 Q
screws	300	PAR 56		85	III					• 01003102	!1 Q
screws	300	PAR 56		85	III					• 01003202	!1 Q



!1 For 12V AC lamp supply.

Supplied complete with 4m of H07RN8-F 2x4 mm² cable.

Fittings supplied complete with lamp.



UWF 22/PPH-Recessed Suitable for installation in fresh water only

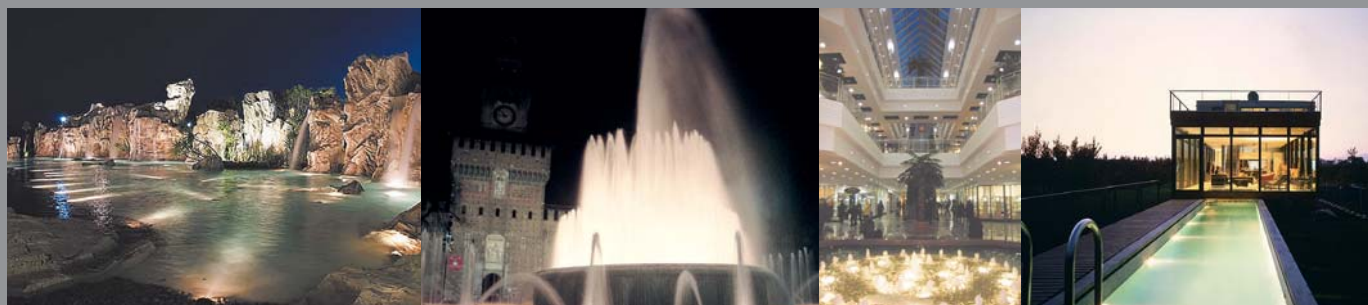
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
screws	300	PAR 56		80	III					• 03003585	!1 Q

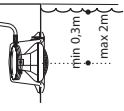


!1 For 12V AC lamp supply.

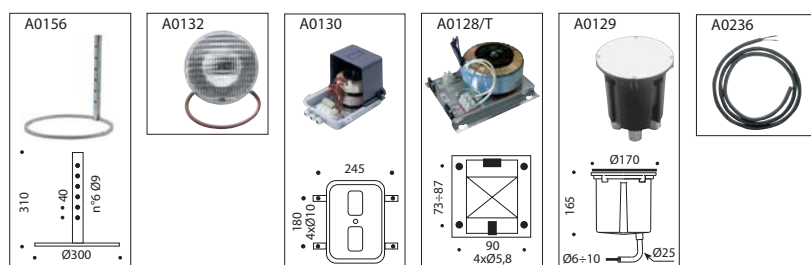
Fittings supplied complete with lamp.

UWF 22/PPH Recessed is made of the UWF 22/PPH fixture, 4 mt of H07RN8 -F 2x4 mm² cable and a tecnopolymer box for wall recessed installation.



							IK 04 0,5J		 max 5,5kg					
CLASS III		80 85	40	IP 68										 HDG 300W PAR56/WFL
UWF22/BR		125	220	UWF22/PPH		153	220	UWF22/PPH-R		180	Ø320	 OK rmin 0,3m rmax 2m	 NO	 PG16 Ø10-Ø14 H07RN8-F 2x4 mm ²

ACCESSORIES



Code	Denomination	Description
14000799	A0156	AISI 304 stainless steel support bracket, to mount UWF 22 fittings at different heights.
14417998	A0132/BR	Seal and lamp set. Replacement lamp and seal during re-lamping.
14451998	A0133/PPH	Seal and lamp set. Replacement lamp and seal during re-lamping.
14410998	A0130/T1	CLASS I IP65 box complete with one 330VA 220-240V/12V transformer for one UWF 22 fittings.
14411998	A0130/T2	CLASS I IP65 box complete with two 330VA 220-240V/12V transformers for two UWF 22 fittings.
14412998	A0130/T3	CLASS I IP65 box complete with three 330VA 220-240V/12V transformers for three UWF 22 fittings.
14094920	A0128/T	1 x 350VA 240/12V safety transformer.
14422018	A0129	CLASS II IP67 wiring box for ground and wall recessed installation (non submersible above ground use only).
14018420	A0236	H07RN8-F 2x4 mm ² rubber cable supplied and sold in 1 metre units.





ISTHAR slim linear high performance extruded aluminium IP66 fluorescent fitting suitable for indoor and outdoor applications. Available in T5 lamps; FH 14-35W / FQ 24-80W, compact fluorescent DULUX-DE / PL-C 4p 26W, DULUX-L / PL-L 55-80W and LED. Their slim contemporary design makes them ideal for a variety of applications from general area lighting to highlighting and architectural feature lighting. Istar 26 / 343 an extremely compact fitting with high light outputs ideal for mounting in discreet locations on columns, arches and alcoves etc. Special versions; voltages, 850° glow wire resistance etc. available on request.

- Pair of stainless steel wall brackets finished adjustable $\pm 12^\circ$.
- Extruded aluminium body.
- Die cast aluminium ends finished.
- Toughened safety glass, hinged to the body.
- Anti-ageing silicone rubber gasket.
- High purity 99.85% aluminium faceted reflector.
- Electronic ballast 220-240V, 50/60Hz class A2 (losses).
- Cable gland for $\varnothing 8-10$ mm cables
- ISTAR/C versions are complete with two cable glands and $2 \times 1,5 \text{mm}^2$ terminal blocks for through wiring connection.
- IP66 breather mounted in one end.
- Stainless steel external screws.

ISTHAR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes	
G5	14W	FDH		S	11	II	ETRC	A2	•	05097311		•
G5	21W	FDH		S	11	II	ETRC	A2	•	05097411		•
G5	28W	FDH		S	11	II	ETRC	A2	•	05097511		•
G5	35W	FDH		S	11	II	ETRC	A2	•	05097611		•
G5	24W	FDH		S	11	II	ETRC	A2	•	05097711		•
G5	39W	FDH		S	11	II	ETRC	A2	•	05097811		•
G5	49W	FDH		S	11	II	ETRC	A2	•	05098011		•
G5	54W	FDH		S	11	II	ETRC	A2	•	05097911		•
G5	80W	FDH		S	11	II	ETRC	A2	•	05098111		•



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

ISTHAR/C

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes	
G5	14W	FDH		S	11	II	ETRC	A2	•	05107311		•
G5	21W	FDH		S	11	II	ETRC	A2	•	05107411		•
G5	28W	FDH		S	11	II	ETRC	A2	•	05107511		•
G5	35W	FDH		S	11	II	ETRC	A2	•	05107611		•
G5	24W	FDH		S	11	II	ETRC	A2	•	05107711		•
G5	39W	FDH		S	11	II	ETRC	A2	•	05107811		•
G5	49W	FDH		S	11	II	ETRC	A2	•	05107911		•
G5	54W	FDH		S	11	II	ETRC	A2	•	05108011		•
G5	80W	FDH		S	11	II	ETRC	A2	•	05108111		•



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

ISTHAR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes	
2G11	1x55W	FSDH		S	11	II	ETRC	A2	•	05126911		•
2G11	2x55W	FSDH		S	11	II	ETRC	A2	•	05127011		•
2G11	2x80W	FSDH		S	11	II	ETRC	A2	•	05127111		•

ISTHAR/C

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes	
2G11	1x55W	FSDH		S	11	II	ETRC	A2	•	05127211		•
2G11	2x55W	FSDH		S	11	II	ETRC	A2	•	05127311		•
2G11	2x80W	FSDH		S	11	II	ETRC	A2	•	05127411		•

ISTHAR/343

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp $\geq 0,9$	Code	Notes	
GX24q-3	26W	FSQ		S	11	I	ETRC	A2	•	05212811		!



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.
! This version is supplied with a single mounting bracket, as opposed to standard two mounting brackets, and appropriate quantities should be considered when ordering accessories; A0265, A0277, A0264, A0263/100 and A0263/300.

Technical drawing of the H07RN-F cable showing dimensions and a table of specifications.

Dimensions:

- Overall height: 105 mm
- Base width: 90 mm
- Length: L (mm)

HE	HO	FSD-FSQ	L (mm)
14W	24W	1x55W	700
21W	39W		1000
28W	54W	2x55W	1300
35W	49-80W	2x80W	1600
		26W	343

Connections and Mounting:

- Terminal block: M18x1,5, Ø8=Ø10,5
- Terminal block: H05RN-F 2x1, H07RN-F 2x1,5
- Terminal block: 2x2,5 mm²
- Mounting: ±12°
- Mounting: ±12°
- Mounting: OK

Figure 1 illustrates the lamp position and beam angle. The figure is divided into two main sections, A and B, each showing a 3D view of the lamp, a top-down view of the beam, and a side view of the beam angle.

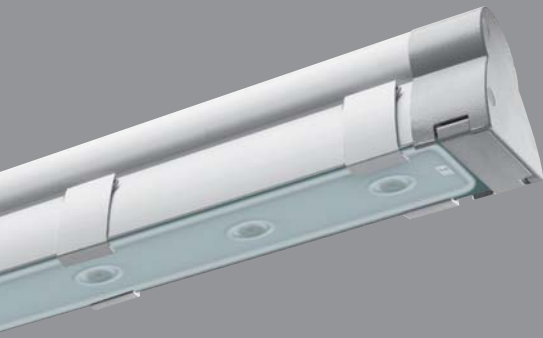
- Lamp position "A":** The 3D view shows the lamp with a red arrow pointing to the left. The top-down view shows a beam with a diameter of 70 mm. The side view shows a beam angle of 78°.
- Lamp position "B":** The 3D view shows the lamp with a red arrow pointing to the right. The top-down view shows a beam with a diameter of 62 mm. The side view shows a beam angle of 64°.

Watt	14	21	28	35	24	39	49	54	80	55	2x55	2x80
N°	80	62	50	40	70	45	35	32	22	30	15	11
Dmax (m)	75	75	75	72	63	56	63	53	45	45	40	38

A0265	A0277 Ø70 100	A0264 100 ±12°	A0263/100 100 240 max	A0263/300 300 260 max
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Code	Denomination	Description
14032420	A0265	Pair 2m wire suspension cables, suitable for indoor installation only.
14041320	A0277	Pair 2m wire suspension cables with ceiling roses finished, for indoor installation only.
14041220	A0264	Pair of stainless steel wall brackets.
14032294	A0263/100	Pair of sheet steel 100mm adjustable brackets finished, suitable for wall or ceiling installation.
14032394	A0263/300	Pair of sheet steel 300mm adjustable brackets finished, suitable for wall or ceiling installation.
14031820	A0262 / 14-24W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.
14031920	A0262 / 21-39W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.
14032020	A0262 / 28-54W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.
14032120	A0262 / 35-49-80W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.





ISTHAR fittings are available with LED's in the following two versions:

- IsthAR LED / HP supplied with 4 x 3.2W, or 8 x 1.4W white or blue LED's
- IsthAR LED / RGB providing colour changing or single colour fixed options.

ISTHAR LED fittings are ideal for creating dramatic colour lighting effects by highlighting façades and architectural features.

- Pair of stainless steel wall brackets finished adjustable $\pm 12^\circ$.
- Extruded aluminium body.
- Die cast aluminium ends finished aluminium grey.
- Toughened safety glass, hinged to the body.
- Anti-ageing silicone rubber gasket.
- Electronic ballast 220-240V, 50/60Hz.
- Cable gland for Ø8-10,5mm cables
- ISTHAR/LED versions (no RGB) are complete with two cable glands and 3G1,5mm² terminal blocks for through wiring connection.
- IP66 breather mounted in one end.
- Stainless steel external screws.



ISTHAR LED/HP

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°4 led 700mA DC	12,8W	○ 6.000°	C 6°	11	I	ETRC				06013011	
n°4 led 700mA DC	12,8W	●	C 6°	11	I	ETRC				06013111	
n°8 led 350mA DC	11,2W	○ 6.000°	C 15°	11	I	ETRC				06013211	
n°8 led 350mA DC	11,2W	●	C 15°	11	I	ETRC				06013311	

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

ISTHAR/LED - HP Class I fitting complete with integral electronic transformer and LED driver for 220-240V, 50/60Hz mains supply. Supplied with internal cable 3x1,5mm² and terminal blocks 3x2,5mm² for through wiring connection up to a maximum of 35 fittings over a maximum recommended distance of 100m. This version is supplied with a single mounting bracket, as opposed to standard two mounting brackets, and appropriate quantities should be considered when ordering accessories; A0277, A0264, A0263/100-300.



ISTHAR LED/HP-RGB

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n.5 led RGB 350mA DC	16,5 W		C 45°	11	III					06013411	

! ISTHAR/LED - HP are supplied complete with five colour changing RGB multi-chip LED's (5 x 3.6W - 45°). Fittings require an RGB supply and control unit (MASTER) for operation. Connections between MASTER unit and fittings should be made using the appropriate cable supplied as accessory A0380. The RGB system provides the choice of three colour changing programs: All colour rainbow (70 sec. cycle), warm colours (50 sec. cycle) and cold colours (50 sec. cycle). Single colour fixed options are also possible.

MASTER unit (A0378) comprising driver and colour change device, to be ordered together with fittings, which should be installed in a suitable enclosed location at a maximum distance of 80m from the fittings.

- Operating 1 fitting: one MASTER unit A0378
- Operating 2 fittings: one MASTER unit A0378 + one SLAVE unit A0379.
- Operating 3 up to a max 100 fittings: one MASTER unit A0378 + A0379 "qty" SLAVE units + A0220/40 "qty" transformer

Driver. A0379 "qty" = (total no. fittings -1)

Transformer A0220/40 "qty" = ((rounding up total no. fittings to nearest multiple 2 ÷2)-1).

		Ta HP Min -15° Max + 45°C RGB Min -30° Max + 50°C					IK 07 3J		 max 2,4kg				
/HP CLASS I		/HP-RGB CLASS III			11	IP 66							Led Max 3,3W

Led HP	Led RGB	L (mm)
4x3,2W	5x3,6W	343
8x1,4W	8x1,4W	700

HP

HP/RGB

M18x1,5
Ø8±0,5

M18x1,5
Ø8±0,5

H07RN-F 3G1,5

S05RN-F 3x1

3x2,5mm²

3x2,5mm²

±12°

OK

Diagram for 1 fitting.



Diagram for 2 fitting.

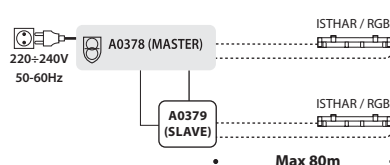
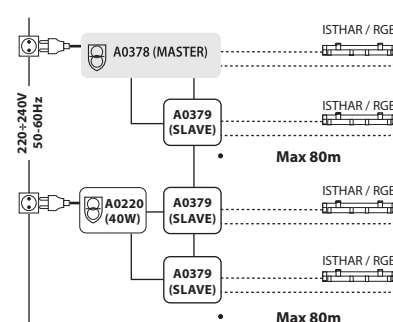


Diagram for 3-100 (max) fittings.

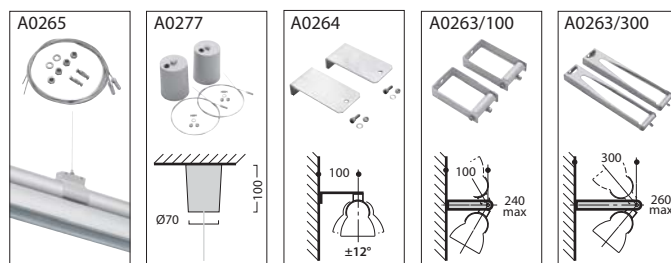


ACCESSORIES for operation and control of ISTHAR LED / RGB fittings.



Code	Denomination	Description
14071920	A0378	Driver and control unit including 40W transformer. 220-240V, 50/60Hz AC 24V CC. complete with MASTER colour changing unit (suitable to operate one ISTHAR/LED – HP/RGB).
14072020	A0379	A0379 Additional (SLAVE) colour changing unit (suitable to operate one Isthar/LED – HP/RGB). SLAVE units are controlled via MASTER unit.
14015520	A0220/40W	Electronic 40W transformer / LED driver; 220-240V, 50/60Hz AC supply – output max 24V CC stabilized supply, mounted on a galvanised steel support.
14072220	A0381	Infrared remote control for colour changing MASTER unit.
14072120	A0380	S05RN-F 3 x 1 mm ² x RGB cable sold and supplied in 1 metre units.

ACCESSORIES for all ISTHAR models.



Code	Denomination	Description
14032420	A0265	Pair 2m wire suspension cables, suitable for indoor installation only.
14041320	A0277	Pair 2m wire suspension cables with ceiling roses finished, for indoor installation only.
14041220	A0264	Pair of stainless steel wall brackets.
14032294	A0263/100	Pair of sheet steel 100mm adjustable brackets finished, suitable for wall or ceiling installation.
14032394	A0263/300	Pair of sheet steel 300mm adjustable brackets finished, suitable for wall or ceiling installation.
14031820	A0262 / 14-24W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.
14031920	A0262 / 21-39W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.
14032020	A0262 / 28-54W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.
14032120	A0262 / 35-49-80W	Frosted glass optional replacement for standard clear glass to be ordered together with fitting for factory fitted option.



HORO is a range of 1000 and 2000 w asymmetrical high performance floodlights designed for indoor and outdoor sports lighting applications, industrial and large open areas. The high efficiency of the luminaire is achieved by the use of high quality high purity aluminium reflectors and high transmission clear glass, providing a coefficient light transmission > 90%. Available with medium and narrow distribution reflectors, and a wide range of high performance lamp options providing the photometric flexibility to satisfy a variety of lighting applications, from general area lighting to professional sports lighting. The high efficiency and precise control of the lighting distribution ensures energy efficient high performance lighting, whilst controlling glare and upward light pollution, reducing the effects of sky glow.

- Body in die-cast aluminium finished polyester powder coated.
- Cover fixing clips in stainless steel with safety hook.
- Polyamide ignitor housing complete with ignitor mounted directly to body.
- Reflectors in high purity aluminium.
- Lamp supports in ceramic with stainless steel retaining spring and nickel-plated brass contacts.
- Internal cables in THT silicon.
- Hot dipped galvanised steel mounting bracket.
- Retaining gaskets in silicon.
- Automatic line switch in LCP.
- 5mm clear toughened safety glass.
- Glass fixing springs in stainless steel.
- Patented IP66 anti-vacuum in polyamide.
- Stainless steel external screw fixings.

ALL HORO FITTINGS SUPPLIED COMPLETE WITH IGNITOR.



HORO 1000 / M Asymmetrical medium beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
cable	1000W	MN		A45 M	94	I	C			04022694	*for lamp HQI-TS 1000 D/S	•
cable	1000W	MN		A45 M	94	I	C			04022794	*for lamp MHN-LA	•
cable	1000W	MN		A45 M	94	I	C			04022894	*for lamp MHN-FC	•

HORO 1000 / INT Asymmetrical narrow beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
cable	1000W	MN		A45 INT	94	I	C			04022394	*for lamp HQI-TS 1000 D/S	•
cable	1000W	MN		A45 INT	94	I	C			04022494	*for lamp MHN-LA	•
cable	1000W	MN		A45 INT	94	I	C			04022594	*for lamp MHN-FC	•



HORO 2000 / M Asymmetrical medium beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
cable	2000W	MN		A45 M	94	I	C			04021994	*for lamp HQI-TS 2000 D/S	•
cable	2000W	MN		A45 M	94	I	C			04022094	*for lamp HQI-TS 2000 D/L *for lamp HQI-TS 2000 N/L	•
cable	2000W	MN		A45 M	94	I	C			04022194	*for lamp MHN-LA	•
cable	2000W	MN		A45 M	94	I	C			04022294	*for lamp MHN-FC	•

HORO 2000 / INT Asymmetrical narrow beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
cable	2000W	MN		A45 INT	94	I	C			04021594	*for lamp HQI-TS 2000 D/S	•
cable	2000W	MN		A45 INT	94	I	C			04021694	*for lamp HQI-TS 2000 D/L *for lamp HQI-TS 2000 N/L	•
cable	2000W	MN		A45 INT	94	I	C			04021794	*for lamp MHN-LA	•
cable	2000W	MN		A45 INT	94	I	C			04021894	*for lamp MHN-FC	•



HORO 1000 - E40 E40 - High pressure sodium

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
E40	1000W	ST		A45 M	94	I	C			04023094		•
E40	1000W	ST		A45 INT	94	I	C			04022994		•



HORO 1000 HR HR (Hot Restrike)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
cable	1000W	MN		A45 M	94	I	C			04025094	*for lamp HQI-TS 1000 D/S	•

HORO 2000 HR HR (Hot Restrike)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	
cable	2000W	MN		A45 INT	94	I	C			04023194	*for lamp HQI-TS 2000 D/S	•
cable	2000W	MN		A45 M	94	I	C			04023294	*for lamp HQI-TS 2000 D/S	•

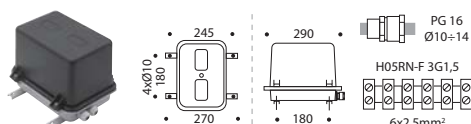
					IK 09 12J					 Max 18,7 kg	 Depending on the Models						
CLASS I		94	IP 65							MN 1000W MHN-FC	MN 2000W MHN-FC	MN 2000W HQI-TS/D/L HQI-TS/N/L	ST 1000W NAV-T SON-T	MN 1000W MHN-LA	MN 2000W MHN-LA	MN 1000W HQI-TS/D/S	MN 2000W HQI-TS/D/S

CONTROL GEAR

All floodlights require the appropriate control gear (ballast + capacitors) to be ordered separately in addition to the floodlight fitting.

Available as follows:

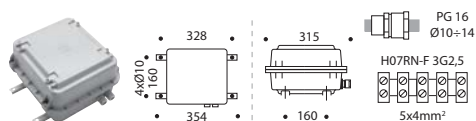
- BOX/AL control gear housing constructed from aluminium.
- BOX/PA control gear base constructed from aluminium with polyamide cover.
- Galvanised steel gear tray for installation into an electrical cabinet / lighting pole.



BOX/PA IP65

W	Ilcos	Colour	Class	Wiring	EEL	Code	Notes
1000W	ST-MN	94	I	CRF	•	14215003	*for lamp HQI-TS 1000 D/S MHN-LA MHN-FC

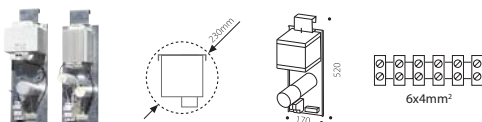
Aluminium base and polyamide cover.



BOX/AL IP65

1000W	ST-MN*	94	I	CRF	•	14013320	*for lamp HQI-TS 1000 D/S MHN-LA MHN-FC
2000W	MN	94	I	CR	•	14014394	*for lamp HQI-TS 2000 D/S
2000W	MT-MN	94	I	CR	•	14106003	*for lamp HQI-TS 2000 D/L HQI-TS 2000 N/L MHN-LA MHN-FC

Aluminium construction.



A0239

1000W	ST-MN	I	CRF	•	14020701	*for lamp HQI-TS 1000 D/S MHN-LA MHN-FC
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A0238

2000W	MN	I	CRF	•	14020601	*for lamp HQI-TS 2000 D/S HQI-TS 2000 D/L HQI-TS 2000 N/L MHN-LA MHN-FC
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Steel galvanized sheet tray.



Set 1000W

1000W	ST-MN	I	•	14260003	*for lamp HQI-TS 1000 D/S MHN-LA MHN-FC
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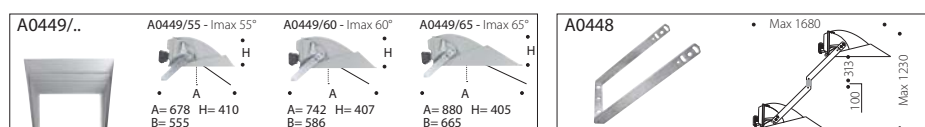
Set 2000W

2000W	MN	I	•	14014420	*for lamp HQI-TS 2000 D/S HQI-TS 2000 D/L HQI-TS 2000 N/L MHN-LA MHN-FC
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Control gear set (loose components) comprising; ballast and capacitors for 1000W (Set 1000W) or 2000W Ray (Set 2000W).

☞ With fuse.

ACCESSORIES



Code	Denomination	Colour	Description
14090394	A0449 / 55°	94	External cowl in sheet aluminium, provides full cut off with peak beam max 55° and reduces upward light pollution.
14090494	A0449 / 60°	94	External cowl in sheet aluminium, provides full cut off with peak beam max 60° and reduces upward light pollution.
14090594	A0449 / 65°	94	External cowl in sheet aluminium, provides full cut off with peak beam max 65° and reduces upward light pollution.
14090202	A0448	02	Long mounting bracket in hot dipped galvanised steel suitable for use when mounting one floodlight above another to avoid interference of light distribution.

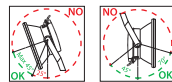


RAY are high performance powerful compact circular floodlights for short arc 1000 and 2000W HID lamps, suitable for outdoor and indoor installation. Their high performance makes them suitable for sports lighting, whilst their compact design makes them discreet and ideal for architectural lighting. RAY fittings have an extensive range of lamp optics giving them flexibility in design and application. Other options include instant hot re-strike facility and chemically treated (HU) toughened glass, allowing the fitting to be installed as an uplighter. Control gear is available as separate components (ballasts + capacitors) or remote gear boxes to be ordered separately in addition to the floodlight.

- Die cast aluminium body and cover frame finished aluminium grey.
- Stainless steel cover fixing clips.
- Polyamide wiring box including ignitor.
- Reflector in very high purity 99.98% aluminium anodised and polished, exposed weather proof surface dissipates heat.
- Ceramic lamp holder with stainless steel support spring.
- Nickel plated copper cables, THT silicone treated.
- Stainless steel mounting bracket with graduated goniometer positioning device painted aluminium grey.
- Anti-ageing silicone rubber gasket.
- Automatic isolating switch, on cover removal.
- Toughened glass or optional chemically (HU) toughened glass.
- Stainless steel retractable aiming device.
- IP66 patented anti-vacuum device.
- Stainless steel external screws.

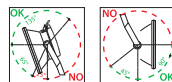
		NEW 7°	NEW 10°	NEW 15°	NEW 17°	NEW 25°	NEW 32°	NEW 34°	NEW 38°	NEW 40°	NEW 60°
RAY 1000 - 2000		•	•	•	•	•	•	•	•	•	•
RAY 1000 - 2000 HU / HU-HR-E		•		•		•	•	•	•		•

ALL RAY FITTINGS SUPPLIED COMPLETE WITH IGNITOR.



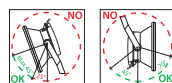
RAY / 1000

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	CCC
cabl	1000W	MN		C 7°	94	I	C			04002394	!	•
cabl	1000W	MN		C 10°	94	I	C			04032694	!	•
cabl	1000W	MN		C 15°	94	I	C			04002494	!	•
cabl	1000W	MN		C 17°	94	I	C			04034694	!	•
cabl	1000W	MN		C 25°	94	I	C			04032794	!	•
cabl	1000W	MN		C 32°	94	I	C			04032894	!	•
cabl	1000W	MN		C 34°	94	I	C			04002594	!	•
cabl	1000W	MN		C 40°	94	I	C			04032994	!	•
cabl	1000W	MN		C 60°	94	I	C			04003894	!	•



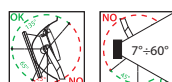
RAY / 1000 HU

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	CCC
cabl	1000W	MN		C 7°	94	I	C			04019694	!2	•
cabl	1000W	MN		C 15°	94	I	C			04019794	!2	•
cabl	1000W	MN		C 25°	94	I	C			04033094	!2	•
cabl	1000W	MN		C 32°	94	I	C			04033194	!2	•
cabl	1000W	MN		C 34°	94	I	C			04019894	!2	•
cabl	1000W	MN		C 38°	94	I	C			04033294	!2	•
cabl	1000W	MN		C 60°	94	I	C			04019994	!2	•



RAY / 2000

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	CCC
cabl	2000W	MN		C 7°	94	I	C			04002994	!	•
cabl	2000W	MN		C 10°	94	I	C			04033394	!	•
cabl	2000W	MN		C 15°	94	I	C			04003094	!	•
cabl	2000W	MN		C 17°	94	I	C			04032394	!	•
cabl	2000W	MN		C 25°	94	I	C			04033494	!	•
cabl	2000W	MN		C 32°	94	I	C			04033594	!	•
cabl	2000W	MN		C 34°	94	I	C			04003194	!	•
cabl	2000W	MN		C 40°	94	I	C			04033694	!	•
cabl	2000W	MN		C 60°	94	I	C			04004094	!	•



RAY / 2000 HU

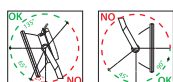
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	CCC
cabl	2000W	MN		C 7°	94	I	C			04002694	!2	•
cabl	2000W	MN		C 15°	94	I	C			04002794	!2	•
cabl	2000W	MN		C 25°	94	I	C			04033794	!2	•
cabl	2000W	MN		C 32°	94	I	C			04033894	!2	•
cabl	2000W	MN		C 34°	94	I	C			04002894	!2	•
cabl	2000W	MN		C 38°	94	I	C			04033994	!2	•
cabl	2000W	MN		C 60°	94	I	C			04011994	!2	•

! Complete with thermally toughened glass.

!2 Complete with chemically toughened glass and stainless steel wire guard.

				IK 07 2,6J	IK 09 18J					
CLASS I		94	IP 66							MN 1000W HQI-TS/D/S MN 2000W HQI-TS/D/S

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RAY / 1000 HU-HR-E (Hot Restrike)

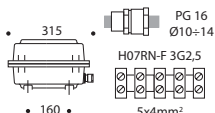
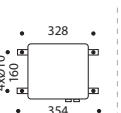
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
cable	1000W	MN		C 7°	94	I	C			04031894	I ² I ³
cable	1000W	MN		C 15°	94	I	C			04031994	I ² I ³
cable	1000W	MN		C 25°	94	I	C			04034094	I ² I ³
cable	1000W	MN		C 32°	94	I	C			04034194	I ² I ³
cable	1000W	MN		C 34°	94	I	C			04027194	I ² I ³
cable	1000W	MN		C 38°	94	I	C			04034294	I ² I ³
cable	1000W	MN		C 60°	94	I	C			04027294	I ² I ³

RAY / 2000 HU-HR-E (Hot Restrike)

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
cable	2000W	MN		C 7°	94	I	C			04026394	I ² I ³
cable	2000W	MN		C 15°	94	I	C			04026494	I ² I ³
cable	2000W	MN		C 25°	94	I	C			04034394	I ² I ³
cable	2000W	MN		C 32°	94	I	C			04034494	I ² I ³
cable	2000W	MN		C 34°	94	I	C			04026594	I ² I ³
cable	2000W	MN		C 38°	94	I	C			04034594	I ² I ³
cable	2000W	MN		C 60°	94	I	C			04026694	I ² I ³

I² Complete with chemically toughened glass and stainless steel wire guard.

I³ Complete with electronic device for instant hot re-strike.

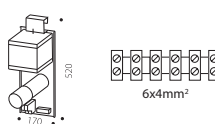
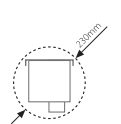


BOX/AL IP65

W	Ilcos	Colour	Class	Wiring	Cosp ≥ 0,9	Code	Notes
1000W	MN	94	I	CRF		14013320	*for lamp HQI-TS...D/S
2000W	MN	94	I	CR		14014394	*for lamp HQI-TS...D/S

Aluminium construction.

☞ With fuse.



A0239

1000W	MN		I	CRF		14020701	*for lamp HQI-TS...D/S
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A0238

2000W	MN		I	CRF		14020601	*for lamp HQI-TS...D/S
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Steel galvanized sheet tray.

☞ With fuse.



Set 1000W

1000W	MN		I	CR		14260003	*for lamp HQI-TS...D/S
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Set 2000W

2000W	MN		I	CR		14014420	*for lamp HQI-TS...D/S
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Control gear set (loose components) comprising; ballast and capacitors for 1000W (Set 1000W) or 2000W Ray (Set 2000W).

ACCESSORIES



Code	Denomination	Description
14013720	A0215	Stainless steel wire guard. Supplied as standard with RAY HU models.
14013620	A0214	Internal aluminium baffle to minimise light pollution. Must be ordered as an accessory together with the fitting. Not suitable for RAY 34° and 60°.
14013420	A0213/1000	Timed ignitor supplement, for 1000W only, must be ordered together with the fitting.



SKYS are high Performance floodlights suitable for indoor and outdoor installation. SKYS asymmetrical broad reflector makes them especially suitable for lighting large open areas; motorway intersections, large car parks, ports and airports. On typical mounting heights of 12-40M they offer comfortable high uniformity lighting levels whilst avoiding glare and light pollution. Lamp options are available as 1000W single and twin 250/400/600W HID. Twin version mixed lamps offer excellent chromatic mix or the option to have lamps independently switched. Available in medium and narrow beam reflectors options. Control gear is available as separate components (ballasts + capacitors) or remote gear boxes to be ordered separately in addition to the floodlight.

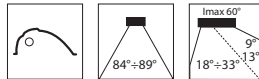
- Die cast aluminium body finished grey.
- Asymmetrical reflector (Imax 60°) in high purity aluminium anodised and polished.
- anti-vibration lampholder supports in stainless steel.
- Polyamide lamp holder and wiring box (twin lamp version 2x250-400W). Ignitor supplied and fitted within wiring box.
- IP66 patented anti-vacuum device.
- 5mm toughened safety glass hinged to body.
- Anti-ageing dual foam silicone gasket, factory injection direct to glass.
- Cover fixing clips in anodized aluminium with stainless steel spring.
- Steel bracket hot dipped galvanised. Suitable for horizontal or vertical installation with firm double screw fix on both sides and slotted hole for $\pm 10^\circ$ adjustment.

ALL SKYS FITTINGS SUPPLIED COMPLETE WITH IGNITOR.



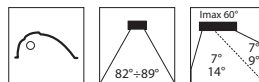
SKYS / M

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEI = $\frac{\text{Cos}\phi}{\geq 0,9}$	Code	Notes	
E40	2x250÷400W	MT*	A60	M	94	I	C		04008394	*for lamp HPI-T	•
E40	2x250÷400W	ST-MT	A60	M	94	I	C		04000994		•
E40	2x600W	ST	A60	M	94	I	C		04019494		•
E40	1000W	MT*	A60	M	94	I	C		04000594	*for lamp HPI-T	•
E40	1000W	ST-MT	A60	M	94	I	C		04000394		•

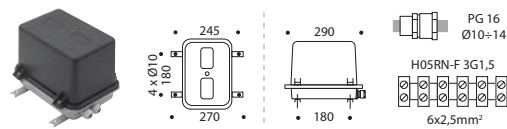


SKYS / INT

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEI = $\frac{\text{Cos}\phi}{\geq 0,9}$	Code	Notes	
E40	2x250÷400W	MT*	A60	INT	94	I	C		04008494	*for lamp HPI-T	•
E40	2x250÷400W	ST-MT	A60	INT	94	I	C		04001094		•
E40	2x600W	ST	A60	INT	94	I	C		04019594		•
E40	1000W	MT*	A60	INT	94	I	C		04000694	*for lamp HPI-T	•
E40	1000W	ST-MT	A60	INT	94	I	C		04000494		•



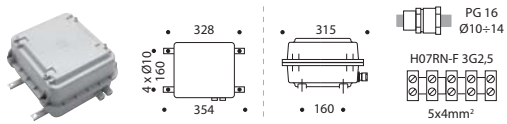
					IK 08 5J						Depending on the Models								
CLASS I		94	IP 65							MT 1000W HPI-T	ST - MT 250÷400W NAV-T /SON-T HQI-BT/D	ST 600W NAV-T /SON-T	MT* 250÷400W HPI-T Plus	ST - MT 1000W NAV-T /SON-T HQI-T/D					



BOX/PA IP65

W	Ilcos	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
1000W	MT*	94	I	CRF			14216003	*for lamp HPI-T
1000W	ST-MT	94	I	CRF			14215003	

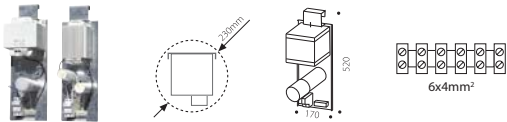
Aluminium base and polyamide cover.



BOX/AL IP65

250W+400W	ST-MT	94	I	CR			14361993	
2x250W	ST-MT	94	I	CR			14359993	
2x400W	ST-MT	94	I	CR			14360993	
2x400W	MT*	94	I	CR			14018594	*for lamp HPI-T
2x600W	ST	94	I	CR			14059294	
1000W	MT*	94	I	CRF			14013220	*for lamp HPI-T
1000W	ST-MT	94	I	CRF			14013320	

Aluminium construction.



A0239

1000W	MT*	I	CRF				14025701	*for lamp HPI-T
1000W	ST-MT	I	CRF				14020701	
400W	MT*	I	CRF				14058601	*for lamp HPI-T Plus
400W	ST-MT	I	CRF				14058701	

Steel galvanized sheet tray.

With fuse.





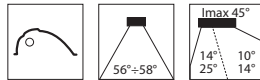
LASER's are powerful asymmetrical floodlight fittings for 1000/2000W HID lamps. A rear access to lamp compartment provides quick and easy re-lamping in difficult locations. Suitable for medium to large area installations such as sports grounds. On typical mounting heights of 12-30M these powerful floodlights economically achieve the desired design levels with good glare control and minimising light pollution. Control gear is available as separate components (ballasts + capacitors) or remote gear boxes to be ordered separately in addition to the floodlight.

- Die cast aluminium body and cover finished aluminium grey.
- Aluminium wiring box with hinged technopolymer cover.
- IP66 patented anti-vacuum device.
- Reflectors in high purity aluminium anodised and polished. Medium beam (M) and narrow beam (INT).
- Stainless steel lamp steady support.
- Toughened safety glass hinged to the body by stainless steel clips.
- Anti-ageing silicone rubber gasket.
- Mounting bracket in steel hot dipped galvanised, with 5° graduated goniometer aiming device for fitting adjustment.
- Stainless steel external screws.

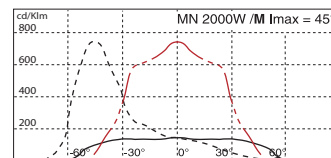
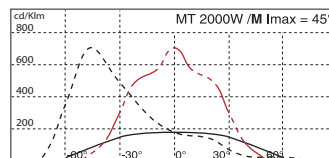
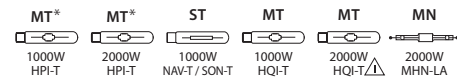


LASER / M Asymmetrical medium beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Ⓢ
E40	1000÷2000W	ST-MT-MT*	A45	M	94	I				01150013	.	
cable	2000W	MN	A45	M	94	I	C			01986013	!	



! Fittings complete with ignitor housing and triple pole ignitor (5000V).

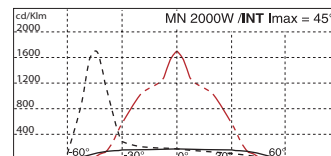
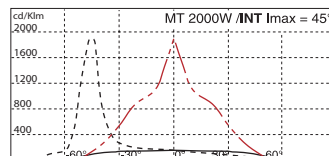
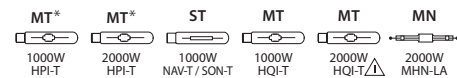


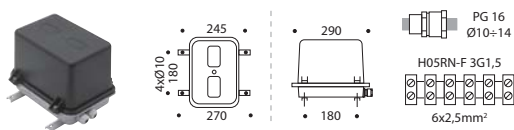
LASER / INT Asymmetrical narrow beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	Ⓢ
E40	1000÷2000W	ST-MT-MT*	A45	INT	94	I				01208013	.	
cable	2000W	MN	A45	INT	94	I	C			01987013	!	



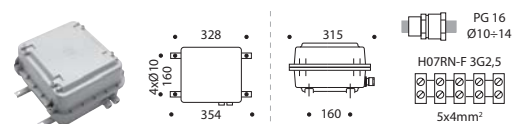
! Fittings complete with ignitor housing and triple pole ignitor (5000V).





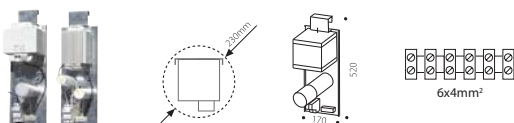
W	Icos	Colour Class	Wiring	EEL ≥ 0.9	Code	Notes
1000W	MT*	94	I	CRF	• 14261013	! *for lamp HPI-T
1000W	ST-MT	94	I	CRF	• 14104003	!
1000W	ST-MT	94	I	CRF	• 14105003	

Aluminium base and polyamide cover.



1000W	MT*	94	I	CRF	-	14017694	⇐ !	*for lamp HPI-T
1000W	ST-MT	94	I	CRF	-	14017794	⇐ !	
1000W	ST-MT	94	I	CRF	-	14013320	⇐	
2000W	MT-MN	94	I	CR	-	14106003	for lamp HQI-T Δ	MHN-LA
2000W	MT*	94	I	CR	-	14274013	!	*for lamp HPI-T (230V)
2000W	MT*	94	I	CR	-	14045020		*for lamp HPI-T (230V)

Aluminium construction.



1000W	MT*	I	CRF	•	14025701	⇒ *for lamp HPI-T
1000W	ST-MT	I	CRF	•	14020701	⇒

2000W MT-MN I CRF • **14020601** *for lamp HQI-T MHN-LA

Steel galvanized sheet tray.

! Complete with ignitor.

A0054	A0075	A0293	A0291 - A0292
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Code	Denomination	Description
14224013	A0054 - 94	External steel cowl painted aluminium grey.
14172003	A0075 - 94	IP65 ignitor housing mounted to fitting.
14044720	A0291/1000 - 9,5÷10,3A	Ignitor for lamps: E40 1000 W NAV-T / SON-T / HQI-T/D
14044820	A0292/2000 - 10,3A	Ignitor for lamps: E40 2000 W HQI-T / D
14044920	A0293/1000/2000	Ignitor for lamps: E40 1000 / 2000 W HPI-T





KHA are high performance IP66 bollards suitable for indoor and outdoor ground installation providing functional and dramatic effect lighting for residential and urban applications, commercial and corporate complexes, parks and gardens. KHA bollards are available in stainless steel or extruded aluminium finished polyester painted matt grey or matt black, supplied in two height options 900mm (KHA 9) or 550mm (KHA 5). KHA bollards are suitable for a variety of light sources and optics providing high performance with zero upward light pollution, combining functional lighting and engineering with contemporary aesthetics making KHA suitable for the most prestigious projects.

- Die cast aluminium ground fixing base.
- Body and top cover available in aluminium or AISI 316 stainless steel for marine applications
- Tecnopolymer wiring connection box, complete with automatic isolating switch, which interrupts supply on opening fitting to provide extra safety.
- High purity aluminium reflector
- Impact resistant UV stabilised clear polycarbonate lamp cover.
- IP68 breather mounted in gear compartment.
- Anti-ageing silicone gaskets.
- Stainless steel external screws.



KHA 5 H 55 cm

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C	81	I		CR	•	05150281	
G12	35W	MT		C	96	I		CR	•	05210896	
G12	70W	MT		C	81	I		CR	•	05150381	
G12	70W	MT		C	96	I		CR	•	05210996	
GX24q-3-4	26÷32W÷42W	FSMH-FSQ		C	81	I	A2	ETRC	•	05150681	EI
GX24q-3-4	26÷32W÷42W	FSMH-FSQ		C	96	I	A2	ETRC	•	05211296	EI
G12	35W	MT		C	04	I		CR	•	05151404	
G12	70W	MT		C	04	I		CR	•	05151504	
GX24q-3-4	26÷32W÷42W	FSMH-FSQ		C	04	I	A2	ETRC	•	05151804	EI

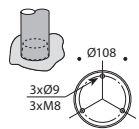
EI Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



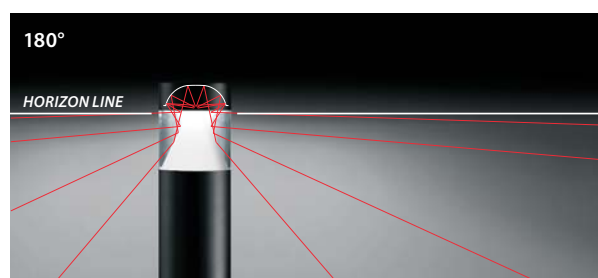
KHA 9 H 90 cm

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	35W	MT		C	81	I		CR	•	05152081	
G12	35W	MT		C	96	I		CR	•	05211396	
G12	70W	MT		C	81	I		CR	•	05152181	
G12	70W	MT		C	96	I		CR	•	05211496	
GX24q-3-4	26÷32W÷42W	FSMH-FSQ		C	81	I	A2	ETRC	•	05152481	EI
GX24q-3-4	26÷32W÷42W	FSMH-FSQ		C	96	I	A2	ETRC	•	05211796	EI
G12	35W	MT		C	04	I		CR	•	05153204	
G12	70W	MT		C	04	I		CR	•	05153304	
GX24q-3	26÷32W	FSM		C	04	I	A2	ETRC	•	05153604	EI

EI Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

					IK 10 24J				 max 8,3kg						
CLASS I		81 96	04	IP 66									MT  max 70W CDM-T HCl-T	FSQ  26W DULUX D/E PLC-4P	FSMH  32-42W DULUX T/E PLT-4P
KHA 9	KHA 5	 900 Ø155	 550 Ø155	 Ø108 3xØ9 3xM8				 PGx13,5 Ø6÷Ø12 H05RN-F 3G2,5  3x2,5mm²							

KHA 36 and KHA 71, for 35 and 70W Metal Halide lamps, with indirect light distribution, entirely kept under the horizon line, providing for a pleasant and charming visual effect, very comfortable and not glaring no light pollution towards the sky.



KHA 42 for compact fluorescent lamps, KHA 52 and KHA 72 for high pressure sodium vapours lamps, have direct light distribution, spread at 360°. They are therefore mostly suitable for indoor use or outdoor use in protected areas. Accessory A0312 (antidazzle barrier) is available for installation in open external areas where it is necessary to get downward light emission.



ACCESSORIES



Code	Denomination	Description
14049820	A0312	Internal anti-glare louvre provides controlled light distribution below horizontal, suitable for KHA 42. Not possible for use in combination with A0313 accessory.
14049720	A0311	Internal aluminium cowl limits horizontal light output to 200°.
14049920	A0313	Internal frosted glass sleeve fits inside the clear polycarbonate lamp cover to give a diffused light distribution, suitable for KHA 42. Not possible for use in combination with A0312 accessory.
14049320	A0309	Concrete mounting adaptor with stainless steel plate and galvanised steel rods.
14002384	A0166	PG 13.5 anti-tearing cable gland for through wiring connection.





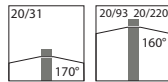
KHAslim lean profile bollards available in stainless steel or extruded aluminium as follows:
 Khaslim MT; suitable for 20W CDM-TM metal halide lamps, full cut-off zero upward light pollution, ground mounted. Available range: 20W CDM-TM (310mm, 950mm or 2200mm height)
 KHA-Slim FLUO; suitable for compact fluorescent lamps, 360° light emission, ground mounted. Available range: 10W TC-D (350mm height), 55/80W TC-L (2500mm height).
 KHAwall; wall mounted version, 360° wall washing radiated light. Available range: 25/40W G9 base mains voltage tungsten halogen.

- Body and top cover in AISI 316 stainless steel or aluminium polyester powder coated, black or grey sanded finished.
- UV stabilised high-tech techno polymer impact resistant lamp cover (PC-HT).
- High purity aluminium reflectors provide comfortable low glare light control and avoid reflection back onto lamp to improve its longevity.
- Techno polymer gear housing.
- Models with 220cm and 250cm height are complete with fast and simple PA66 IP68 plug for electrical connection, suitable to take up to 3x1,5/2,5 mm² cables Ø9-14mm.
- Models with 31/35cm and 93cm height have a polyamide connection box provided with M16x1.5 anti tearing IP68 cable gland, for Ø5-10mm cables.
- 220-240V, 50/60Hz supply electronic control gear.
- Anti-ageing silicone rubber gaskets.
- Stainless steel external screw fixings.



KHAslim MT 20W - CDM-Tm

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
PGJ5	20W	MC	C	81	II	ETRC			•	05192681	H 31cm
PGJ5	20W	MC	C	96	II	ETRC			•	05192596	H 31cm
PGJ5	20W	MC	C	81	II	ETRC			•	05192981	H 93cm
PGJ5	20W	MC	C	96	II	ETRC			•	05192896	H 93cm
PGJ5	20W	MC	C	81	II	ETRC			•	05193281	H 220cm
PGJ5	20W	MC	C	96	II	ETRC			•	05193196	H 220cm
PGJ5	20W	MC	C	04	II	ETRC			•	05192704	H 31cm
PGJ5	20W	MC	C	04	II	ETRC			•	05193004	H 93cm
PGJ5	20W	MC	C	04	II	ETRC			•	05193304	H 220cm

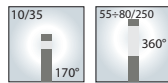


Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

! Versions for 2200 mm heights are supplied without fixing base. Ground mounting accessories A0373 and A0370 are available to order.

KHAslim FLUO 10W DULUX-D-E / 55-80W DULUX-L

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G24q-1	10W	FSQ	C	81	II	ETRC	A3			05192081	H 35cm
G24q-1	10W	FSQ	C	96	II	ETRC	A3			05191996	H 35cm
2G11	55-80W	FSD	C	81	II	ETRC			•	05194181	H 250cm
2G11	55-80W	FSD	C	96	II	ETRC			•	05194096	H 250cm
G24q-1	10W	FSQ	C	04	II	ETRC	A3			05192104	H 35cm
2G11	55-80W	FSD	C	04	II	ETRC			•	05194204	H 250cm



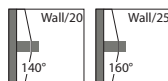
Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

! Versions for 2500 mm heights are supplied without fixing base. Ground mounting accessories A0373 and A0370 are available to order.



KHAslim 20W CDM-Tm / 25W Halopin

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G9	25W	HSGST	C	04	II					01036127	! ¹
G9	25W	HSGST	C	81	II					01036081	! ¹
G9	25W	HSGST	C	96	II					01035996	! ¹
PGJ5	20W	MC	C	04	II	ETRC				03003827	! ²
PGJ5	20W	MC	C	81	II	ETRC				03003781	! ²
PGJ5	20W	MC	C	96	II	ETRC				03003696	! ²



!² Class I remote gear versions are supplied with electronic control gear box and 3m cable for connection to fitting. The remote gear box should be installed in a suitable location at a maximum distance of 3m from the fitting.

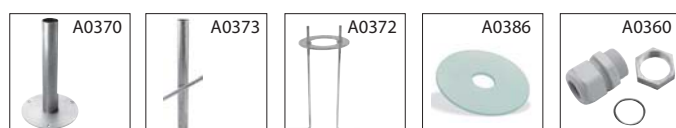
!¹ Mains voltage tungsten halogen version for max. 250V, 50/60Hz supply (Class II).

		IK 09 10J		
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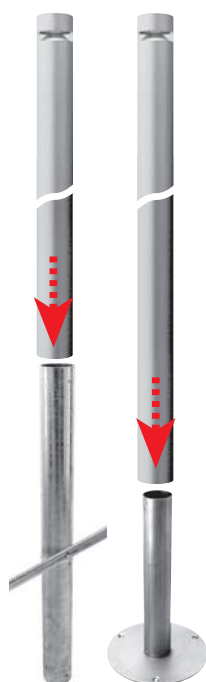
CLASS II		81 96	04	IP 66		MC 20W CDM-TM	HSGST 25W HALOPIN CLICKLINE	FSQ 10W DULUX D/E PL-C	FSD 55-80W DULUX-L PL-L
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	Models	L (cm)	Kg		slim = H 31-35	slim = H 93÷250	wall = H 150			
	20/31	31	1,8							
	20/93	93	4,1							
	20/220	220	8,6							
	10/35	35	2,0							
	55/250	250	9,4							
	80/250	250	9,4							
	Wall 20W	15	1,14							
	Wall 25W	15	0,75							

ACCESSORIES



Code	Denomination	Description
14071120	A0370	AISI 316 stainless steel floor installation base (suitable only for models 220/250 cm height).
14071220	A0373	Hot dipped galvanised fixing base for recessing into concrete (suitable only for models 220/250 cm height).
14071320	A0372	Galvanized steel rods with AISI 304 plate. Floor recessed anchorage unit (only for models 93cm height).
14073220	A0386	"Soft" glass for mounting inside the PC lamp cover provides a more diffused light emission.
14066020	A0360	M16x1.5 anti-tearing cable gland for through-wiring.



KHASlim H = 220 - 250cm

Codes for models with 220cm to 250cm height do not include the fixing base, which must be ordered separately and is available in two versions:

- 14071220 – A0373: Hot dipped galvanised fixing base (requires a 400mm recess into concrete) remains hidden within the fitting.
- 14071120 – A0370: Stainless steel floor installation base, complete with fixing accessories.



KHASlim H = 31 - 35 - 93cm

Codes for models with 31cm to 93cm height are inclusive of a die cast aluminium floor fixing base which remains hidden within the fitting.



HEDO pole top luminaires suitable for gardens, parks, residential, public area, path / walkways and car parking lighting. Die cast aluminium housing available in quartz grey or stainless steel.

Main features:

- Energy efficient luminaire providing high performance and efficacy with good uniformity and zero upward light pollution.
- Aesthetic design luminaire with fast retrofit, onto existing pole installations, replacing old inefficient light polluting fittings.

- Die cast aluminium pole head with galvanised steel expandable / retractable anchoring device.
- Die cast aluminium housing finished quartz grey (96), matt black (81) or AISI 316 stainless steel sheet bonded for Inox versions (04).
- U.V. stabilised clear polycarbonate diffuser
- High purity aluminium polished and anodised reflector
- Electronic ballasts class A2, 220-240V, 50/60Hz
- Automatic isolating terminal interrupts supply when cover is opened to provide added safety.
- Anti-ageing silicone rubber gaskets.
- Stainless steel external screw fixings.

ENERGY SAVING / FLEXIBILITY

HEDO utilise high efficiency light sources up to 83 Lm/W and energy efficient class A2 electronic control gear.

Hedo is suitable for use with a combination of one, two or three T5 circular fluorescent lamps; 22W for inner circle, 40W or 55W for middle circle, and 60W for outer circle. The combination of lamps provides a power consumption of between 22W to 137W and a light flux of 1800 to 11000 lumens. The possibility of circuit switching combinations of lamps at different times provides options for further energy savings.



LIGHTING POLLUTION

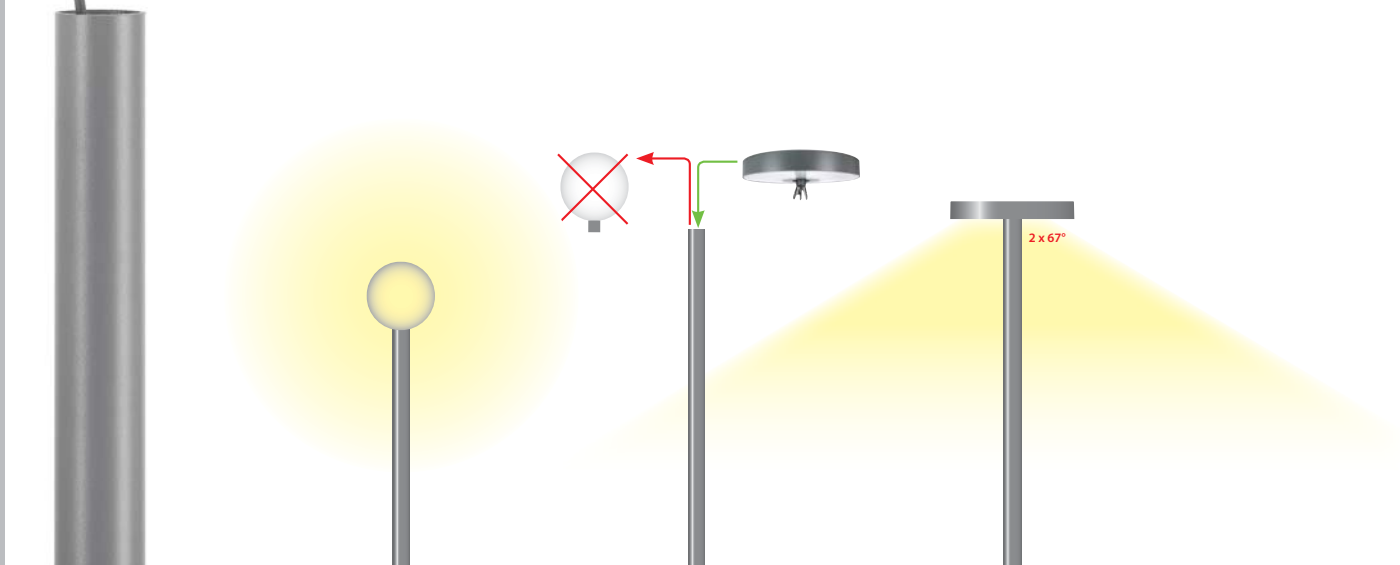
HEDO full cut-off optic is designed to comply with regulations in areas sensitive to upward light pollution.

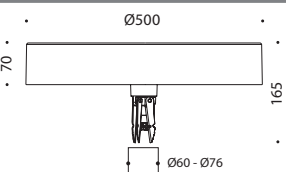
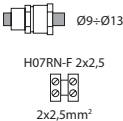
Broad distribution ($\text{Imax}/2 = 2 \times 67^\circ$) with good uniformity provides an efficient spacing for area lighting.

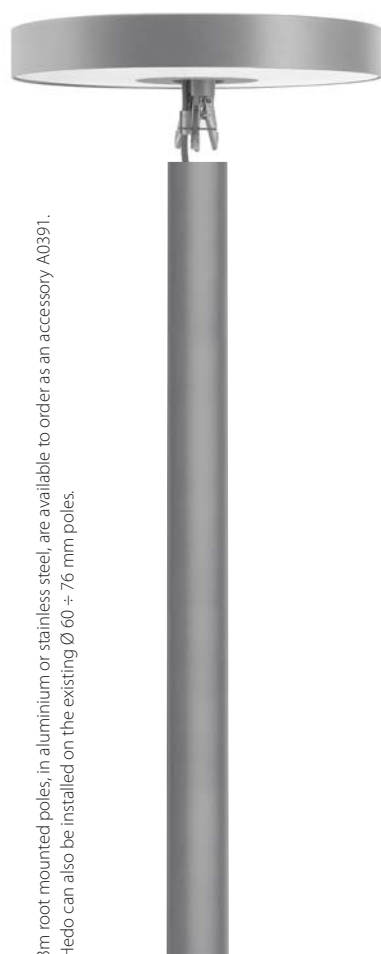
The clear polycarbonate diffuser with internal prisms obscures the lamp from direct view whilst providing high light transmission and visual comfort.

RETROFIT

HEDO can quickly and easily be installed as a convenient retrofit replacement, to old inefficient upward light polluting luminaires (e.g. spheres), for use on existing poles.



								IK 09 17J										
CLASS II		81 96	04	IP 65												LUMILUX TS FC TLS-C	LUMILUX TS FC TLS-C	LUMILUX TS FC TLS-C
																		



3m root mounted poles, in aluminium or stainless steel, are available to order as an accessory A0391. Hedo can also be installed on the existing Ø 60 ÷ 76 mm poles.

HEDO - 55W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
2Gx13	55W	FC		C	81	II	ETRC	A2	•	05194681		•
2Gx13	55W	FC		C	96	II	ETRC	A2	•	05194996		•
2Gx13	55W	FC		C	04	II	ETRC	A2	•	05195204		•



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

HEDO - 55-60 W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
2Gx13	55-60W	FC		C	81	II	ETRC	A2	•	05194781		•
2Gx13	55-60W	FC		C	96	II	ETRC	A2	•	05195096		•
2Gx13	55-60W	FC		C	04	II	ETRC	A2	•	05195304		•



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

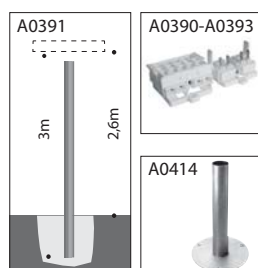
HEDO - 22-55-60 W

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
2Gx13	22-55-60W	FC		C	81	II	ETRC	A2	•	05194881		•
2Gx13	22-55-60W	FC		C	96	II	ETRC	A2	•	05195196		•
2Gx13	22-55-60W	FC		C	04	II	ETRC	A2	•	05195404		•



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

ACCESSORIES



Code	Denomination	Colour	Description
14074981	A0391	81	Ø76mm x H 3000mm (2700mm above ground) root mounting poles in aluminium finished black (81).
14075096	A0391	96	Ø76mm x H 3000mm (2700mm above ground) root mounting poles in aluminium finished quartz grey (96).
14075104	A0391	04	Ø76mm x H 3000mm (2700mm above ground) root mounting poles in stainless steel (04).
14083120	A0414	04	AISI 316 stainless steel floor installation base.
14074820	A0390		5 poles 2,5 mm² automatic isolating terminal suitable for separate lamp circuit switching.
14076320	A0393		Supplement for factory fitted 4 pole automatic isolating terminal.

HEDO LED pole top luminaires suitable for gardens, parks, residential, public area, path / walkways and car parking lighting. Die cast aluminium housing available in quartz grey or stainless steel.

Main features:

- Energy efficient luminaire providing high performance and efficacy with good uniformity and zero upward light pollution.
- Aesthetic design luminaire with fast retrofit, onto existing pole installations, replacing old inefficient light polluting fittings.

- Die cast aluminium pole head with galvanised steel expandable / retractable anchoring device.
- Die cast aluminium housing finished quartz grey (96), matt black (81) or AISI 316 stainless steel sheet bonded for Inox versions (04).
- U.V. stabilised clear polycarbonate diffuser
- High purity aluminium polished and anodised reflector
- Electronic ballasts class A2, 220-240V, 50/60Hz
- Automatic isolating terminal interrupts supply when cover is opened to provide added safety.
- Anti-ageing silicone rubber gaskets.
- Stainless steel external screw fixings.

ENERGY SAVING / FLEXIBILITY

HEDO uses the most advanced, high efficiency LED sources, up to 125 Lm/W rated, powered with electronic ballasts suitable for rated voltages of 220-240 V 50/60Hz.

The availability of:

- two power ratings: 18 LEDs at 22W and 36 LEDs at 42W,
- three colour tones of white light: 3000°K, 4200°K, 6000°K,
- three different external aesthetic finishes: painted anthracite grey (96), painted sanded black (81), stainless steel (04),
- the aesthetic simplicity of its lines

enable HEDO LED to be used in all installation contexts, from the most modern to the most rustic.

Can also be equipped with dimmable electronic ballasts (e.g. 1-10V), making it possible to reduce the LED flow during the night, for example, when less light

LIGHTING POLLUTION

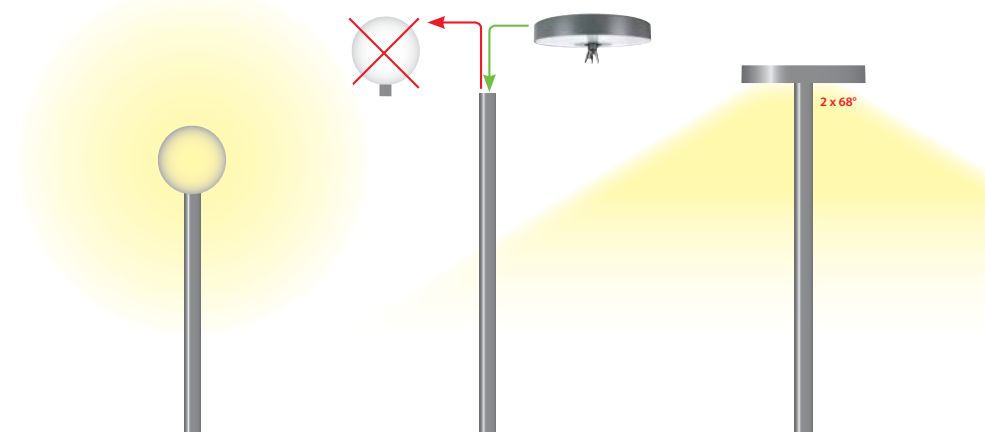
HEDO full cut-off optic is designed to comply with regulations in areas sensitive to upward light pollution.

Broad distribution ($I_{max}/2 = 2 \times 67^\circ$) with good uniformity provides an efficient spacing for area lighting.

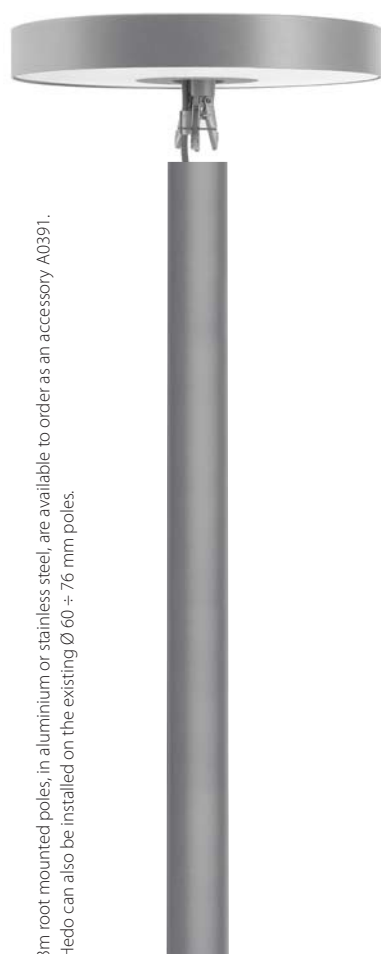
The clear polycarbonate diffuser with internal prisms obscures the lamp from direct view whilst providing high light transmission and visual comfort.

RETROFIT

HEDO can quickly and easily be installed as a convenient retrofit replacement, to old inefficient upward light polluting luminaires (e.g. spheres), for use on existing poles.



								IK 09 17J							
CLASS II		81 96	04	IP 65											Led Max 36W



3m root mounted poles, in aluminium or stainless steel, are available to order as an accessory A0391. Hedo can also be installed on the existing Ø 60 ÷ 76 mm poles.

HEDO LED / 18W - 3000°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°18 led	18W		3000°	AL	81	II	ETRC		•	06032781	
n°18 led	18W		3000°	AL	96	II	ETRC		•	06032996	
n°18 led	18W		3000°	I	04	II	ETRC		•	06033104	

HEDO LED / 18W - 4200°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°18 led	18W		4200°	AL	81	II	ETRC		•	06038881	
n°18 led	18W		4200°	AL	96	II	ETRC		•	06039096	
n°18 led	18W		4200°	I	04	II	ETRC		•	06039204	

HEDO LED / 18W - 6000°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°18 led	18W		6000°	AL	81	II	ETRC		•	06028681	
n°18 led	18W		6000°	AL	96	II	ETRC		•	06028796	
n°18 led	18W		6000°	I	04	II	ETRC		•	06028804	

HEDO LED / 36W - 3000°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°36 led	36W		3000°	AL	81	II	ETRC			06032881	
n°36 led	36W		3000°	AL	96	II	ETRC			06033096	
n°36 led	36W		3000°	I	04	II	ETRC			06033204	

HEDO LED / 36W - 4200°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°36 led	36W		4200°	AL	81	II	ETRC			06038981	
n°36 led	36W		4200°	AL	96	II	ETRC			06039196	
n°36 led	36W		4200°	I	04	II	ETRC			06039304	

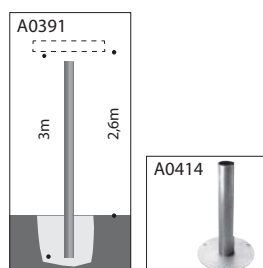
HEDO LED / 36W - 6000°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
n°36 led	36W		6000°	AL	81	II	ETRC			06028381	
n°36 led	36W		6000°	AL	96	II	ETRC			06028496	
n°36 led	36W		6000°	I	04	II	ETRC			06028504	

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Fittings supplied complete with lamp.

ACCESSORIES



Code	Denomination	Colour	Description
14074981	A0391	81	Ø76mm x H 3000mm (2700mm above ground) root mounting poles in aluminium finished black (81).
14075096	A0391	96	Ø76mm x H 3000mm (2700mm above ground) root mounting poles in aluminium finished quartz grey (96).
14075104	A0391	04	Ø76mm x H 3000mm (2700mm above ground) root mounting poles in stainless steel (04).
14083120	A0414	04	AISI 316 stainless steel floor installation base.



OIKOS are aesthetically designed post top fittings for public walkway and urban area lighting. They provide the following features and benefits:

- High performance lighting and high uniformity with good glare control and upward light pollution designed to reduce the effects of sky glow.
- A variety of lamp options up to a maximum 150W HID, offering high lumen and chromatic output.
- An aesthetic contemporary design fitting delivering a highly efficient and functional light.
- Removable lamp and control gear assembly for a fast and safe installation and maintenance.

OIKOS is a contemporary post top fitting which is highly efficient for the illumination of pedestrian walkways, public spaces and car parks etc.

- Body and cover in die cast aluminium, anticorrosive, sandblasted, phosphochromated and polyester powder coated in anthracite grey sablé.
- Reflectors in high purity aluminium, polished and oxidized, designed for optimizing the luminous distribution.
- Body and cover anti-ageing in notageing silicone of high compensation and elasticity.
- Opening of the cover by a quarter rotation fasteners in zinc coated steel, with supplemental anti-corrosive treatment. It allows the quick opening of the cover without the need for tools, and remains completely integrated to the features of the fitting.
- Isolating terminal connector block interrupts supply on opening of housing top for safety during maintenance.
- Removable control gear / lamp holder assembly without need for tools by "easy pulling out" handle system.
- External power connection by means of a plugsocket connector for quick plugging in, IP66, in technopolymer with integrated tear resistant cable gland for H07RNF 2x1.5 / 2x2.5 mm² Ø10-14 mm cables.
- Stainless steel external fixings.

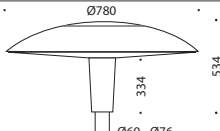
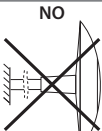
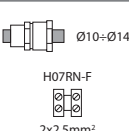


OIKOS

Lampholder	W	Icos	"K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	35	MT		C	96	II	CR		•	05283896	
G12	70	MT		C	96	II	CR		•	05283996	
G12	150	MT		C	96	II	CR		•	05284096	
Gx12-1	50	STH		C	96	II	ETRC		•	05284996	
Gx12-1	100	STH		C	96	II	ETRC		•	05285096	
PGZ12	90	MT		C	96	II	ETRC		•	05284196	
PGZ12	140	MT		C	96	II	ETRC		•	05284296	
E27	70	ME		C	96	II	CR		•	05284396	
E27	100	ME		C	96	II	CR		•	05284496	
E27	150	ME		C	96	II	CR		•	05284596	
E27	50	ST		C	96	II	CR		•	05285196	
E27	70	ST		C	96	II	CR		•	05285296	
E40	100	ST		C	96	II	CR		•	05285396	
PG12-1	35	STH		C	96	II	CR		•	05284696	
PG12-1	50	STH		C	96	II	CR		•	05284796	
PG12-1	100	STH		C	96	II	CR		•	05284896	

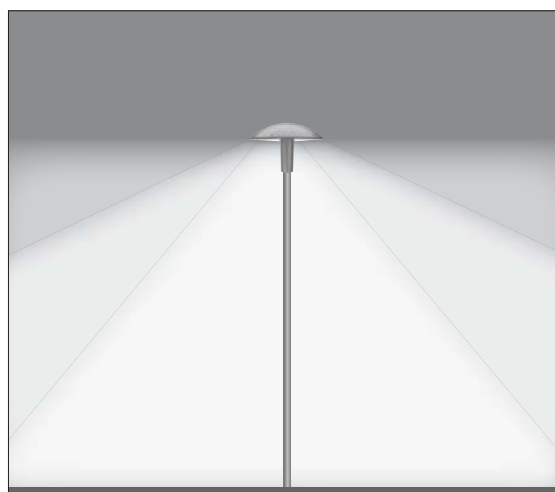
Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



						IK 09 10J			 max 16kg					
CLASS II		96		IP 66					 MT 35-70-150W CDM-T HQI-T/HCI-T	 MT 90-140W COSMOWHITE CPO-TW	 ME 70-100-150W HQI-E CDO-ET	 STH 35-50-100W SDW-T	 STH 50-100W SDW-TG MINI	 ST 50-100W NAV-T/SON-T NAV-T SUPER SON-T Plus
														

SPECIFICATION:

SPECIFICATION:
 OIKOS post top fitting suitable for Ø60-76mm poles. Secures to pole with three stainless steel grub screws. Quick release grey tray / lamp holder assembly. A0511/96 is a reducing sleeve for Ø60mm pole painted to match the fitting and provide an aesthetic finish. Electrical connection by plug and socket, for a quick and safe installation. On opening housing top an isolating terminal connector block interrupts supply for safety during maintenance. With a wide area circular light optic the OIKOS provides an efficient uniform light distribution. The light source is seated hidden from direct viewing within the body providing a glare free illumination. A variety of lamp options offering high lumen and chromatic output, with options for power reduction systems and control devices, makes OIKOS an ideal choice for energy saving applications.



ACCESSORIES



Code	Denomination	Description
14116196	A0511	Reducing sleeve for Ø60mm dia poles.
14116220	A0512/2A (35÷90W)	Supplement for factory fitted fuse holder and fuse. To be ordered as a separate item along with the fitting , according to specific lamp version.
14116320	A0512/4A (100÷150W)	Supplement for factory fitted fuse holder and fuse. To be ordered as a separate item along with the fitting , according to specific lamp version.
14116496	A0513/AL	Supplement for aluminium cowl.

An aluminium shade (A0513/AL) designed to give OIKOS units a varied aesthetic quality is available to be ordered as a separate item with the unit and delivered pre-mounted. The shade can be customised on request with different colours to best integrate OIKOS in all urban environments.



Aesthetically designed exterior pole top and wall mounted fittings for urban lighting, manufactured in anti-corrosive die-cast aluminium with pressed toughened glass cover.

OLA is designed to comply with the recommendations UNI 10819 for glare control and upward light pollution to reduce the effect of sky glow.

The OLA fittings are available with symmetrical, asymmetrical and road lighting optics.

Suitable for HID lamps; metal halide and high pressure sodium.

A range of stainless steel or painted aluminium poles are available from 3.5m to 6.0m heights. A variety of mounting accessories are offered for back to back pole top mounting, mid-pole fixing, and wall mounting. Isolating terminal connector disconnects supply on opening of fitting for safety during maintenance.

The gear tray / front cover assembly hinges down from fitting and can easily be detached for maintenance.

OLA is suitable for lighting pedestrian walkways, parking areas and commercial / retail complexes.

- Outdoor pole top and wall mounted luminaire.
- Aluminium die-cast anti-corrosive body and cover frame. Pressed toughened glass cover.
- Die-cast anti-corrosive pole and wall mounting bracket accessories, to suit poles Ø60mm and Ø90mm. Anodised aluminium reflector.
- Self-extinguishing V0 class, 960° glow wire tested, control gear tray. Isolating terminal connector disconnects supply on opening of fitting for safety during maintenance.
- Easy quick access one piece gear tray / cover assembly.
- Class II.
- A variety of mounting accessories are offered for back to back pole top mounting, mid-pole fixing to desired height, and wall mounting (mounting accessories to be ordered separately). Conventional magnetic ballast gear for fluorescent versions are complete with thermal cut-out device to EN 60598-1:2000.
- Designed to comply with the recommendations for glare control and upward light pollution to reduce the effect of sky glow.
- Rx7s lamp version complete with high purity 99.85% aluminium asymmetrical reflector.



OLA

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	⚡
E27	150W	ME	S	81	II	CR			•	05259281	□	•
E27	150W	ME	S	96	II	CR			•	05259396	□	•
E40	150W	SE	S	81	II	CR			•	05259581	□	•
E40	150W	SE	S	96	II	CR			•	05259696	□	•
E40	250W	ME	S	81	II	CR			•	05259881	□	•
E40	250W	ME	S	96	II	CR			•	05259996	□	•
E40	250W	SE	S	81	II	CR			•	05260481	□	•
E40	250W	SE	S	96	II	CR			•	05260596	□	•

OLA / A

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	⚡
RX7s	150W	MD	A	81	II	CR			•	05260781	□	•
RX7s	150W	MD	A	96	II	CR			•	05260896	□	•

OLA / SR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes	⚡
E40	150W	ST	SR	81	II	CR			•	05290081	□ !	•
E40	150W	ST	SR	96	II	CR			•	05290196	□ !	•

- Magnetic ballast.
- ! Models with new street optics. Contact our offices for availability.



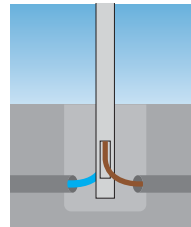
The quick opening of optical compartment is obtained by one quarter turn loosening of a single fastener. When optical compartment is opened, the electrical compartment is automatically disconnected from mains, allowing a safe maintenance.



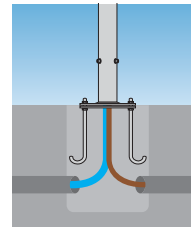
One piece gear tray / cover assembly hinges to main body of fitting.



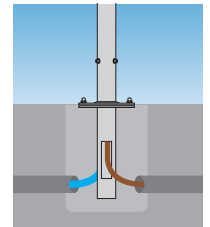
The gear tray / front cover assembly can easily be detached for maintenance.



Root mounted (INT) secured by concrete.

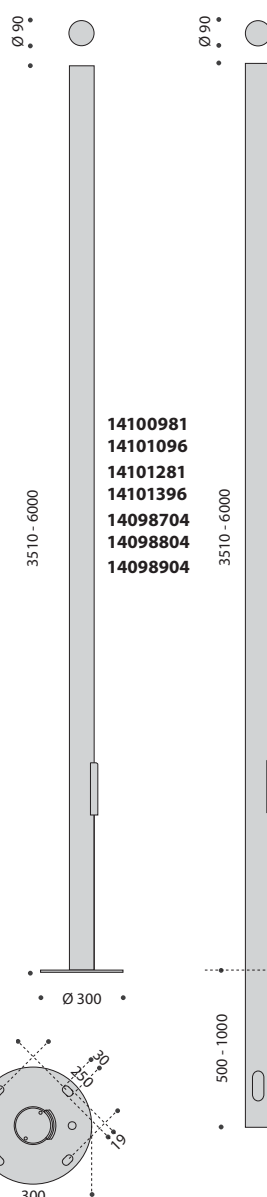
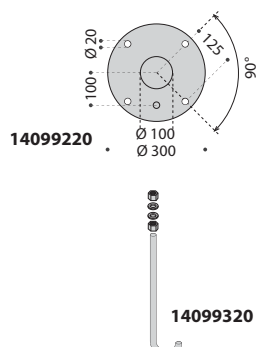
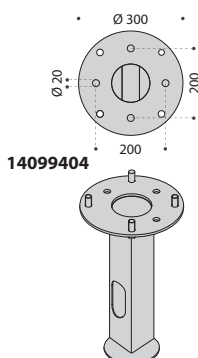


Flange mounting (FT) with fixing rods secured by concrete. The baseplate, which also acts as a template, ensures a level fixing

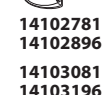
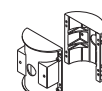
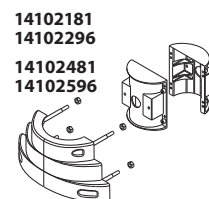
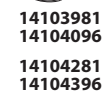
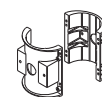
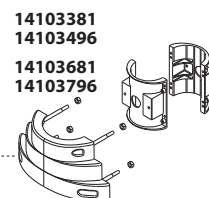
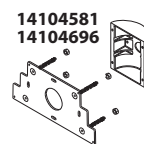
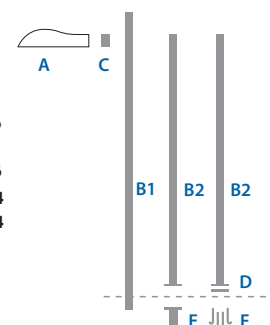


Flange plate fixing with root (FT) secured by concrete. For correct concrete base dimensions refer to information pages on poles

Code	Denomination	Colour	Description
14100981	A0485/3,5	81	Pole Ø 90 mm F.T. 3,5 m c/w flange
14101096	A0485/3,5	96	
14101281	A0485/4	81	Pole Ø 90 mm F.T. 4 m c/w flange
14101396	A0485/4	96	
14101581	A0486/3,5+0,5	81	Pole Ø 90 mm INT. (buried) 3,5+0,5 m
14101696	A0486/3,5+0,5	96	
14101881	A0486/4+0,5	81	Pole Ø 90 mm INT. (buried) 4+0,5 m
14101996	A0486/4+0,5	96	
14102181	A0487-D60	81	Top mount kit-single Ø 60
14102296	A0487-D60	96	
14102481	A0487-D90	81	Top mount kit-single Ø 90
14102596	A0487-D90	96	
14098704	A0474/3,5	04	Pole Ø 90 F.T. 3,5 m c/w flange
14098804	A0474/5	04	Pole Ø 90 F.T. 5 m c/w flange
14098904	A0474/6	04	Pole Ø 90 F.T. 6 m c/w flange
14099004	A0475/5+1	04	Pole Ø 90 mm INT. (buried) 5+1 m
14099104	A0475/6+1	04	Pole Ø 90 mm INT. (buried) 6+1 m
14102781	A0488-D60	81	Top mount kit-double Ø 60
14102896	A0488-D60	96	
14103081	A0488-D90	81	Top mount kit-double Ø 90
14103196	A0488-D90	96	
14103381	A0489-D60	81	Side mounting kit-single Ø 60 mm
14103496	A0489-D60	96	
14103681	A0489-D90	81	Side mounting kit-single Ø 90 mm
14103796	A0489-D90	96	
14103981	A0490-D60	81	Side mount kit-double Ø 60
14104096	A0490-D60	96	
14104281	A0490-D90	81	Side mount kit-double Ø 90
14104396	A0490-D90	96	
14104581	A0491	81	Wall mount kit
14104696	A0491	96	
14099220	A0476		Flange plate/1 F.T. post
14099320	A0477		Fixing rod Ø 18 X 400
14099404	A0478	04	Flange plate fixing with root



	COMPONENTS
A	luminaire
B1	pole INT
B2	pole FT
C	mounting kits
D	flange plate fixing with root
E	flange plate
F	fixing rod





Aesthetically designed exterior post top and wall mounted fittings for urban lighting, manufactured in anti-corrosive die-cast aluminium, with outreach arm support bracket in extruded aluminium, and toughened glass cover.

HORIZON is available in two sizes each of which is designed to accept the outreach arm support brackets which are available in two different lengths, which offer two different angles of orientation providing flexible mounting combinations. When mounted on pole top with glass parallel to the ground they are suitable for use in areas sensitive to sky glow where regulations require strict control of upward light pollution. HORIZON 2/A version is suitable for metal halide lamps and has an asymmetrical distribution.

HORIZON fittings are suitable for HID and compact fluorescent lamps. A range of square extruded aluminium posts are available from 3.5m to 6.0m.

The front cover and frame assembly hinges down from body for easy maintenance. HORIZON is suitable for lighting pedestrian walkways, parking areas and commercial / retail complexes.



HORIZON 1

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
E27	70	ME	4000	S	87	II	CRL		•	07025287	☹	•
E27	70	ME	4000	S	81	II	CRL		•	07025381	☹	•
E27	70	ME	4000	S	96	II	CRL		•	07025496	☹	•
E27	70	SE		S	87	II	CR		•	05270487	⚠	•
E27	70	SE		S	81	II	CR		•	05270581	⚠	•
E27	70	SE		S	96	II	CR		•	05270696	⚠	•

⚠ For lamps with integral ignitor.



HORIZON 1/C

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
E27	max 150W	IAA		S	87	II			•	01046287	•	•
E27	max 150W	IAA		S	81	II			•	01046381	•	•
E27	max 150W	IAA		S	96	II			•	01046496	•	•
G24d-2	2x18	FSQ	2700	S	87	I	CRL <=B2		•	07025587	☹	•
G24d-2	2x18	FSQ	2700	S	81	I	CRL <=B2		•	07025681	☹	•
G24d-2	2x18	FSQ	2700	S	96	I	CRL <=B2		•	07025796	☹	•
G24q-2	2x18	FSQ	2700	S	87	I	ETRCL A2		•	07025887	☹ E	•
G24q-2	2x18	FSQ	2700	S	81	I	ETRCL A2		•	07025981	☹ E	•
G24q-2	2x18	FSQ	2700	S	96	I	ETRCL A2		•	07026096	☹ E	•



HORIZON 1/R

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
E27	70	ME	4000	S	87	II	CRL		•	07026187	☹	•
E27	70	ME	4000	S	81	II	CRL		•	07026281	☹	•
E27	70	ME	4000	S	96	II	CRL		•	07026396	☹	•
E27	70	SE		S	87	II	CR		•	05271387	⚠	•
E27	70	SE		S	81	II	CR		•	05271481	⚠	•
E27	70	SE		S	96	II	CR		•	05271596	⚠	•

⚠ For lamps with integral ignitor.



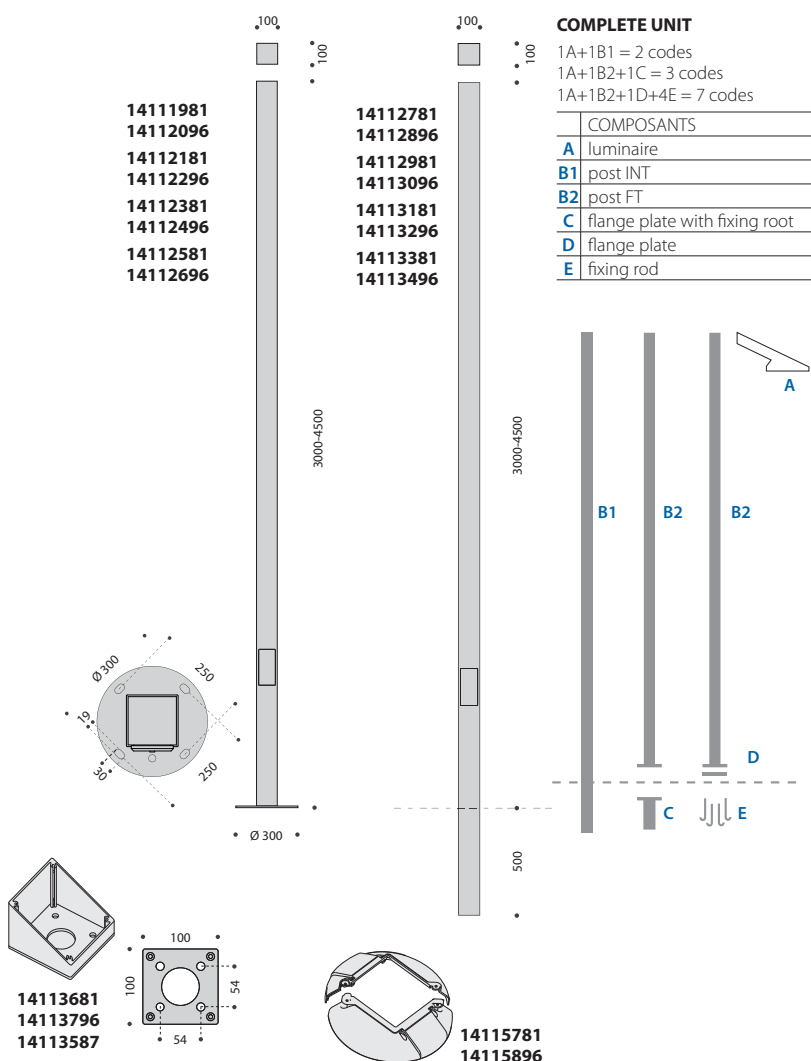
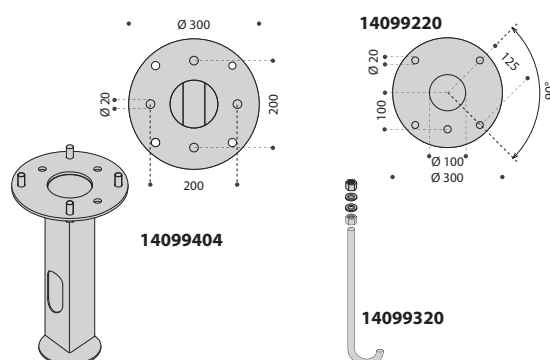
HORIZON 1/CR

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
E27	max 150W	IAA		S	87	II			•	01046587	•	•
E27	max 150W	IAA		S	81	II			•	01046681	•	•
E27	max 150W	IAA		S	96	II			•	01046796	•	•
G24d-2	2x18	FSQ	2700	S	87	I	CRL <=B2		•	07026487	☹	•
G24d-2	2x18	FSQ	2700	S	81	I	CRL <=B2		•	07026581	☹	•
G24d-2	2x18	FSQ	2700	S	96	I	CRL <=B2		•	07026696	☹	•
G24q-2	2x18	FSQ	2700	S	87	I	ETRCL A2		•	07026787	☹ E	•
G24q-2	2x18	FSQ	2700	S	81	I	ETRCL A2		•	07026881	☹ E	•
G24q-2	2x18	FSQ	2700	S	96	I	ETRCL A2		•	07026996	☹ E	•

E Complete with electronic ballast non dimmable 230÷240V 50/60Hz.

☹ Fittings supplied complete with lamp.

Code	Denomination	Colour	Description
14111981	A0505/3	81	Pole Q100 F.T. 3 m c/w flange
14112096	A0505/3	96	
14112181	A0505/3,5	81	Pole Q100 F.T. 3,5 m c/w flange
14112296	A0505/3,5	96	
14112381	A0505/4	81	Pole Q100 F.T. 4 m c/w flange
14112496	A0505/4	96	
14112581	A0505/4,5	81	Pole Q100 F.T. 4,5 m c/w flange
14112696	A0505/4,5	96	
14112781	A0505/3+0,5	81	Pole Q100 INT. (buried) 3+0,5 m
14112896	A0505/3+0,5	96	
14112981	A0505/3,5+0,5	81	Pole Q100 INT. (buried) 3,5+0,5 m
14113096	A0505/3,5+0,5	96	
14113181	A0505/4+0,5	81	Pole Q100 INT. (buried) 4+0,5 m
14113296	A0505/4+0,5	96	
14113381	A0505/4,5+0,5	81	Pole Q100 INT. (buried) 4,5+0,5 m
14113496	A0505/4,5+0,5	96	
14113681	A0506	81	Base "V" Horizon 1
14113796	A0506	96	
14113587	A0506	87	
14115781	A0509	81	Base plate cover
14115896	A0509	96	
14099404	A0478		Flange plate with fixing root
14099220	A0476		Flange plate F.T. post
14099320	A0477		Fixing rod Ø 18 X 400



Aesthetically designed exterior post top and wall mounted fittings for urban lighting, manufactured in anti-corrosive die-cast aluminium, with outreach arm support bracket in extruded aluminium, and toughened glass cover.

HORIZON is available in two sizes each of which is designed to accept the outreach arm support brackets which are available in two different lengths, which offer two different angles of orientation providing flexible mounting combinations. When mounted on pole top with glass parallel to the ground they are suitable for use in areas sensitive to sky glow where regulations require strict control of upward light pollution. HORIZON 2/A version is suitable for metal halide lamps and has an asymmetrical distribution.

HORIZON fittings are suitable for HID and compact fluorescent lamps. A range of square extruded aluminium posts are available from 3.5m to 6.0m.

The front cover and frame assembly hinges down from body for easy maintenance. HORIZON is suitable for lighting pedestrian walkways, parking areas and commercial / retail complexes.

HORIZON 2

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
E27	100	ME		S	87	II	CR		•	05272387	☞	•
E27	100	ME		S	81	II	CR		•	05272481	☞	•
E27	100	ME		S	96	II	CR		•	05272596	☞	•
E27	150	ME		S	87	II	CR		•	05272987	☞	•
E27	150	ME		S	81	II	CR		•	05273081	☞	•
E27	150	ME		S	96	II	CR		•	05273196	☞	•
E40	100	ST		S	87	II	CR		•	05273287	☞	•
E40	100	ST		S	81	II	CR		•	05273381	☞	•
E40	100	ST		S	96	II	CR		•	05273496	☞	•

HORIZON 2/A

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
G12	150	MT		A	87	II	CR		•	05273887	☞	
G12	150	MT		A	81	II	CR		•	05273981	☞	
G12	150	MT		A	96	II	CR		•	05274096	☞	

HORIZON 2 C

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
2G10	2x36	FSS	2700	S	87	I	CRL <=B2		•	07027087	☞	•
2G10	2x36	FSS	2700	S	81	I	CRL <=B2		•	07027381	☞	•
2G10	2x36	FSS	2700	S	96	I	CRL <=B2		•	07027596	☞	•
2G10	2x36	FSS	2700	S	87	I	ETRCL A2		•	07027187	☞	•
2G10	2x36	FSS	2700	S	81	I	ETRCL A2		•	07027281	☞	•
2G10	2x36	FSS	2700	S	96	I	ETRCL A2		•	07027496	☞	•

HORIZON 2 R

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
E27	100	ME		S	87	II	CR		•	05274187	☞	•
E27	100	ME		S	81	II	CR		•	05274281	☞	•
E27	100	ME		S	96	II	CR		•	05274396	☞	•
E27	150	ME		S	87	II	CR		•	05274787	☞	•
E27	150	ME		S	81	II	CR		•	05274881	☞	•
E27	150	ME		S	96	II	CR		•	05274996	☞	•
E40	100	ST		S	87	II	CR		•	05275087	☞	•
E40	100	ST		S	81	II	CR		•	05275181	☞	•
E40	100	ST		S	96	II	CR		•	05275296	☞	•

HORIZON 2 CR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
2G10	2x36	FSS	2700	S	87	I	CRL <=B2		•	07027687	☞	•
2G10	2x36	FSS	2700	S	81	I	CRL <=B2		•	07027981	☞	•
2G10	2x36	FSS	2700	S	96	I	CRL <=B2		•	07028196	☞	•
2G10	2x36	FSS	2700	S	87	I	ETRCL A2		•	07027787	☞	•
2G10	2x36	FSS	2700	S	81	I	ETRCL A2		•	07027881	☞	•
2G10	2x36	FSS	2700	S	96	I	ETRCL A2		•	07028096	☞	•

HORIZON 2/SR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes	
E40	150	ST		SR	87	II	CR		•	05290287	☞	
E40	150	ST		SR	81	II	CR		•	05290381	☞	
E40	150	ST		SR	96	II	CR		•	05290496	☞	

☞ Fittings for outdoor installation.

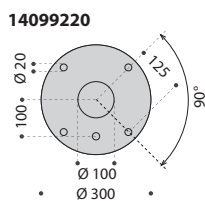
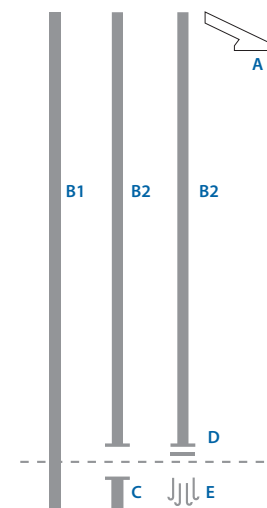
☞ Fittings supplied complete with lamp.



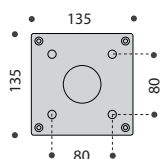
Variant	Number of Cases (approx.)
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14113996	110
14114081	145
14114196	120
14114281	110
14114396	100
14114481	90
14114596	30

1A+1B1 = 2 codes
1A+1B2+1C = 3 codes
1A+1B2+1D+4E = 7 codes

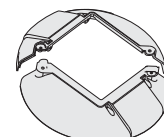
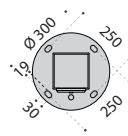
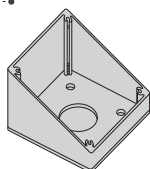
	COMPOSANTS
A	luminaire
B1	post INT
B2	post FT
C	ground piece
D	base plate
E	fixing rod



14099320



14115581
14115696
14115487



14115781
14115896



A range of luminaires manufactured from die-cast aluminium with a semi-spherical or cone shaped diffuser in frosted glass. The luminaires are designed for mounting on extruded aluminium post or wall mounted. A variety of mounting arms and accessories are offered for different mounting positions and angles, single or twin mounting on posts up to 4m height maximum. Both KONOS PARK and GLOBUS PARK are offered in two different sizes and are suitable for HID lamp sources. They are ideal for pedestrian walkways and residential areas.

- Body and frame made of die-cast aluminium with chromium phosphate pretreatment and polyester powder coating, complying with the IEC 68-2-52 and ASTM B117/90 Standards, ensuring UV stabilisation combined with highest resistance to heat and atmospherical condition.
- Ice etched glass diffuser, conical shape.
- Aluminium reflector.
- Polymer gasket.
- Pole or wall mount.
- Including capacitor for power factor correction.
- 1x70W SE version is supplied for lamp with built-in ignitor.



KONOS PARK 38

Lampholder	W	Ikcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	70	SE/I		C	96	I	CR			• 05261096	⚠
E27	100	ME		C	96	I	CR			• 05261296	

KONOS PARK 50

Lampholder	W	Ikcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	150	ME		C	96	I	CRL			• 07024896	⚡
E40	150	SE		C	96	I	CR			• 05261596	

- ⚠ For lamps with integral ignitor.
⚡ Fittings supplied complete with lamp.

					IK 06 1J	KONOS PARK 38 max 7 kg	KONOS PARK 50 max 11,8 kg						
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CLASS I				96	IP 65								 ME 100-150W HQL-E CDO-ET	 SE 150W NAV-E/SON	 SE/I 70W NAV-E/SON
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KONOS PARK 38		KONOS PARK 50				
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A range of luminaires manufactured from die-cast aluminium with a semi-spherical or cone shaped diffuser in frosted glass. The luminaires are designed for mounting on extruded aluminium post or wall mounted. A variety of mounting arms and accessories are offered for different mounting positions and angles, single or twin mounting on posts up to 4m height maximum. Both KONOS PARK and GLOBUS PARK are offered in two different sizes and are suitable for HID lamp sources. They are ideal for pedestrian walkways and residential areas.

- Body and frame made of die-cast aluminium with chromium phosphate pretreatment and polyester powder coating, complying with the IEC 68-2-52 and ASTM B117/90 Standards, ensuring UV stabilisation combined with highest resistance to heat and atmospherical condition.
- Ice etched glass diffuser, conical shape.
- Aluminium reflector.
- Polymer gasket.
- Pole or wall mount.
- Including capacitor for power factor correction.
- 1x70W SE version is supplied for lamp with built-in ignitor.

GLOBUS PARK

design Roberto Fiorato



GLOBUS PARK 38

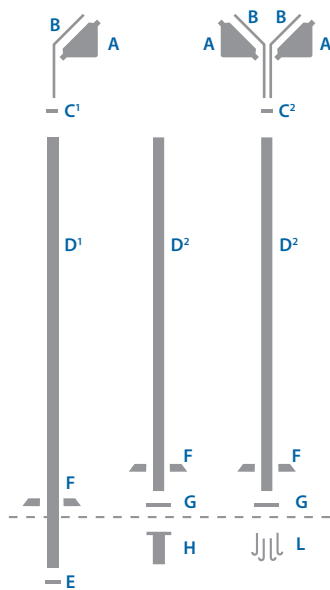
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	70	SE/I		C	96	I	CR			• 05261796	⚠
E27	100	ME		C	96	I	CR			• 05261996	

GLOBUS PARK 50

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	150	ME		C	96	I	CRL			• 07024996	💡
E40	150	SE		C	96	I	CR			• 05262296	

- ⚠ For lamps with integral ignitor.
💡 Fittings supplied complete with lamp.

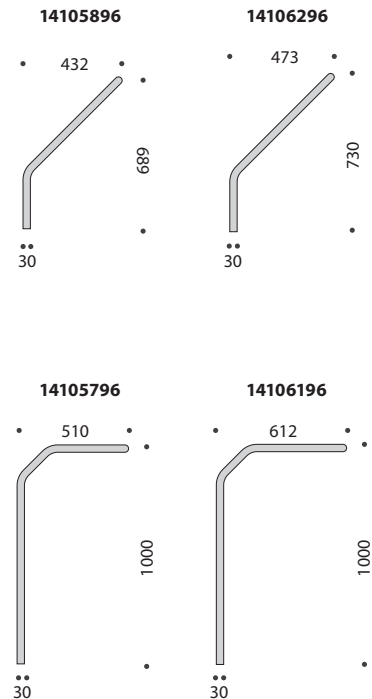
			GLOBUS PARK 38		IK 07 2J	 max 7,5 kg	GLOBUS PARK 50		IK 08 5J	 max 13,6 kg					
CLASS I			96	IP 65							 100-150W HQI-E CDO-ET	 150W NAV-E/SON	 70W NAV-E/SON		
GLOBUS PARK 38				 Ø 380 Ø 313 240 45				GLOBUS PARK 50				 Ø 500 Ø 420 45 275			



COMPLETE UNIT

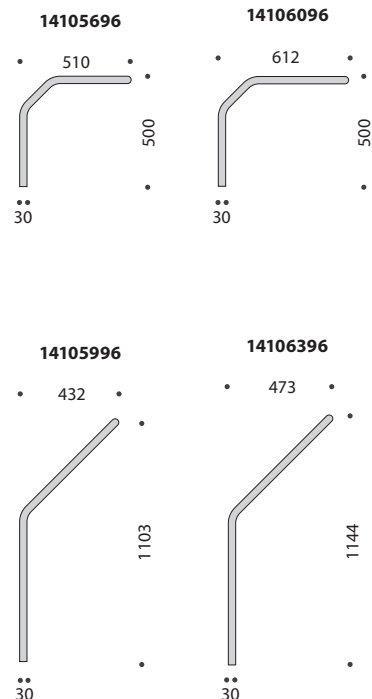
1A+1B+1C¹+1D¹+1E+1F = 6 codes
 2A+2B+1C²+1D¹+1E+1F = 8 codes
 1A+1B+1C¹+1D²+1F+1G+1H = 7 codes
 2A+2B+1C²+1D²+1F+1G+1H = 9 codes
 1A+1B+1C¹+1D²+1F+1G+4L = 10 codes
 2A+2B+1C²+1D²+1F+1G+4L = 12 codes

ELEMENTEN	
A	luminaire
B	arm
C ¹	fixing arm plate (single)
C ²	fixing arm plate (double)
D ¹	post INT
D ²	post FT
E	anti sink plate
F	base plate cover
G	flange plate
H	flange plate with fixing root
L	fixing rod



ACCESSORIES

Code	Denomination	Colour	Description
14104896	D ² A0492/2	96	Oval pole 200 FT.
14104996	D ² A0492/2,5	96	Oval pole 250 FT.
14105096	D ² A0492/3	96	Oval pole 300 FT.
14105196	D ¹ A0492/2+0,5	96	Oval pole 200+50 INT.
14105296	D ¹ A0492/2,5+0,5	96	Oval pole 250+50 INT.
14105396	D ¹ A0492/3+0,5	96	Oval pole 300+50 INT.
14105496	C ¹ A0493	96	Fixing arm plate (single)
14105596	C ² A0493/BI	96	Fixing arm plate (double)
14105696	B A0494/38-1	96	Short horizontal fixing arm 38
14105796	B A0494/38-2	96	Long horizontal fixing arm 38
14105896	B A0494/38-3	96	Short angled arm 38
14105996	B A0494/38-4	96	Long angled arm 38
14106096	B A0495/50-1	96	Short horizontal fixing arm 50
14106196	B A0495/50-2	96	Long horizontal fixing arm 50
14106296	B A0495/50-3	96	Short angled arm 50
14106396	B A0495/50-4	96	Long angled arm K50-G50
14106496	A0496	96	Bracket
14106596	A0497	96	Corner bracket
14106696	G A0498	96	Flange plate oval pole F.T.
14106720	E A0499		Anti sink plate oval INT. Pole
14106896	F A0500	96	Base plate cover ov. Pole
14099404	H A0478		Flange plate with fixing root
14099320	L A0477		Fixing rod Ø 18 X 400



14105496



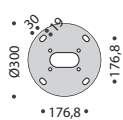
14105596



14106896



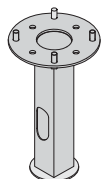
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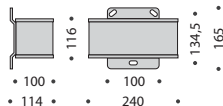
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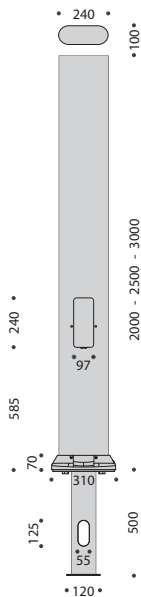
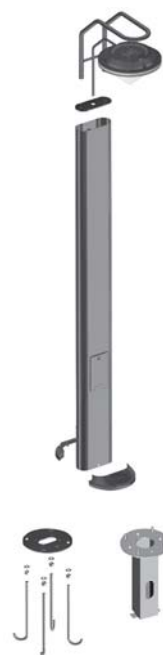
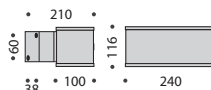
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14106496



14106596



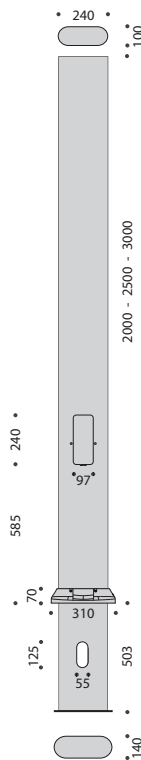
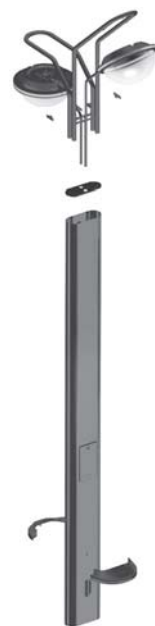
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14104996

14105096

14106896

14099404

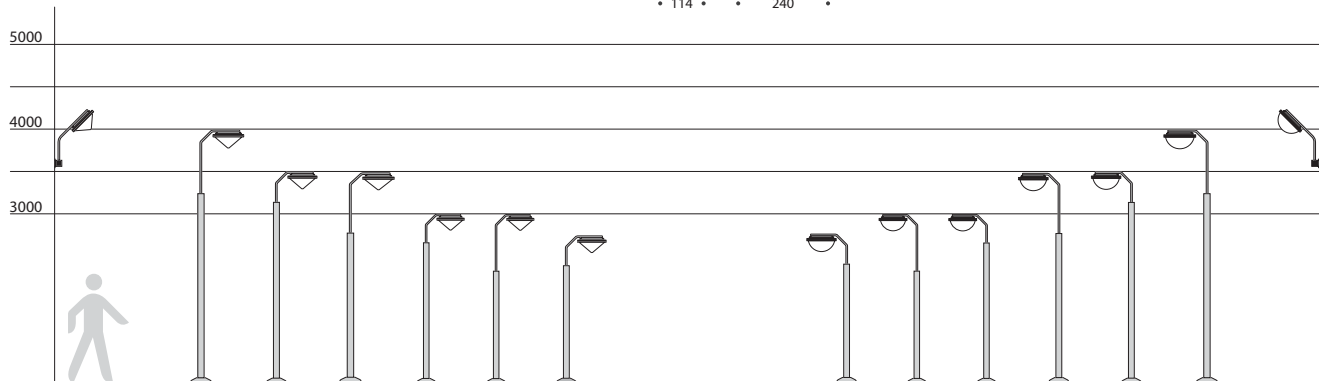


14105196

14105296

14105396

14106896



A range of luminaires with body and frame manufactured from die-cast aluminium with a semi-spherical or cone shaped diffuser in frosted glass. Designed for mounting onto a cylindrical post by two symmetrical arms which cradle the fitting.

Post are available in 3.0m or 3.5m.

The MONOKONOS and MONOGLOBUS fittings are available in two different sizes and are suitable for HID lamps.

They are ideal for pedestrian walkways and residential areas.

- Body, frame and arm connector manufactured from die-cast aluminium UNI 5076, phospho-chromate primed and polyester powder coated, complying with IEC 68-2-52 and ASTM B117/90 standards to ensure UV stabilisation combined with good resistance to heat and atmospheric condition.
- Ice etched glass diffuser, conical shape.
- Aluminium reflector UNI 9001/5.
- Polymer gasket.
- Including capacitor for power factor correction.



MONOKONOS 38

Lampholder	W	Ikcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	70	SE/I		C	96	I	CR			• 05264696	△
E27	100	ME		C	96	I	CR			• 05264896	

MONOKONOS 50

Lampholder	W	Ikcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E27	150	ME		C	96	I	CRL			• 07025096	💡
E40	150	SE		C	96	I	CR			• 05265196	

- △ For lamps with integral ignitor.
- 💡 Fittings supplied complete with lamp.

						IK 06 1J		MONOKONOS 38 max 7 kg		MONOKONOS 50 max 11,8 kg				
CLASS I				96	IP 65							 ME 100-150W HQL-E CDO-ET	 SE 150W NAV-E/SON	 SE/I 70W NAV-E/SON
MONOKONOS 38		 Ø 380 240		 Ø 380 Ø 313 45		MONOKONOS 50		 Ø 500 260		 Ø 500 Ø 420 45				

A range of luminaires with body and frame manufactured from die-cast aluminium with a semi-spherical or cone shaped diffuser in frosted glass. Designed for mounting onto a cylindrical post by two symmetrical arms which cradle the fitting.

Post are available in 3.0m or 3.5m.

The MONOKONOS and MONOGLOBUS fittings are available in two different sizes and are suitable for HID lamps.

They are ideal for pedestrian walkways and residential areas.

- Body, frame and arm connector manufactured from die-cast aluminium UNI 5076, phospho-chromate primed and polyester powder coated, complying with IEC 68-2-52 and ASTM B117/90 standards to ensure UV stabilisation combined with good resistance to heat and atmospheric condition.
- Ice etched glass diffuser, semispherical shape.
- Aluminium reflector UNI 9001/5.
- Polymer gasket.
- Including capacitor for power factor correction.

MONOGLOBUS

design Roberto Fiorato



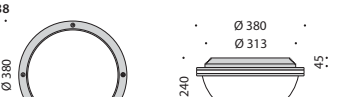
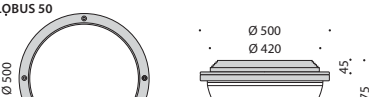
MONOGLOBUS 38

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	70	SE/I		C	96	I	CR			• 05265396	⚠
E27	100	ME		C	96	I	CR			• 05265596	

MONOGLOBUS 50

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	150	ME		C	96	I	CRL			• 07025196	💡
E40	150	SE		C	96	I	CR			• 05265896	

- ⚠ For lamps with integral ignitor.
- 💡 Fittings supplied complete with lamp.

			MONOGLOBUS 38 IK 07 2J	 max 7,5 kg	MONOGLOBUS 50 IK 08 5J	 max 13,6 kg					
CLASS I			96	IP 65					 100-150W HQI-E CDO-ET	 150W NAV-E/SON	 70W NAV-E/SON
MONOGLOBUS 38					MONOGLOBUS 50						

ACCESSORIES

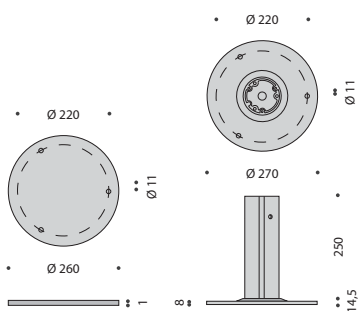
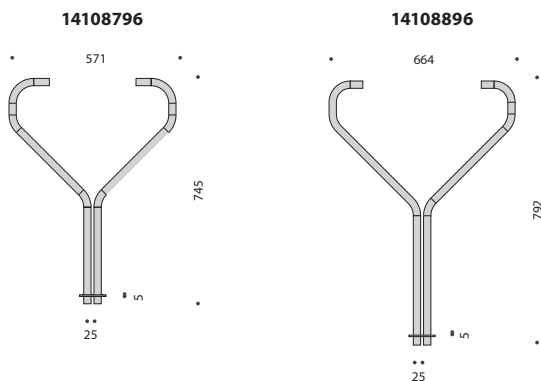
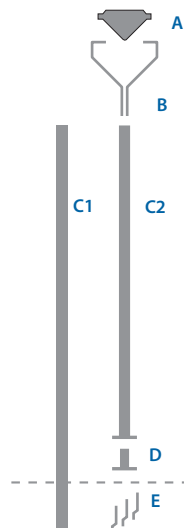
Code	Denomination	Colour	Description
14108496	A0501/2,2	96	Post 220 F.T.
14108596	A0501/2,7	96	Post monoKonos/Globus 270 F.T.
14108696	A0501/2,2+0,5	96	Post 220 + 50 INT.
14108796	A0502/38	96	Arm 38
14108896	A0502/50	96	Arm 50
14108996	A0503	96	Flange plate
14109020	A0504	96	Fixing rod

KOMPLETE UNIT

1A+1B+1C1 = 3 codes

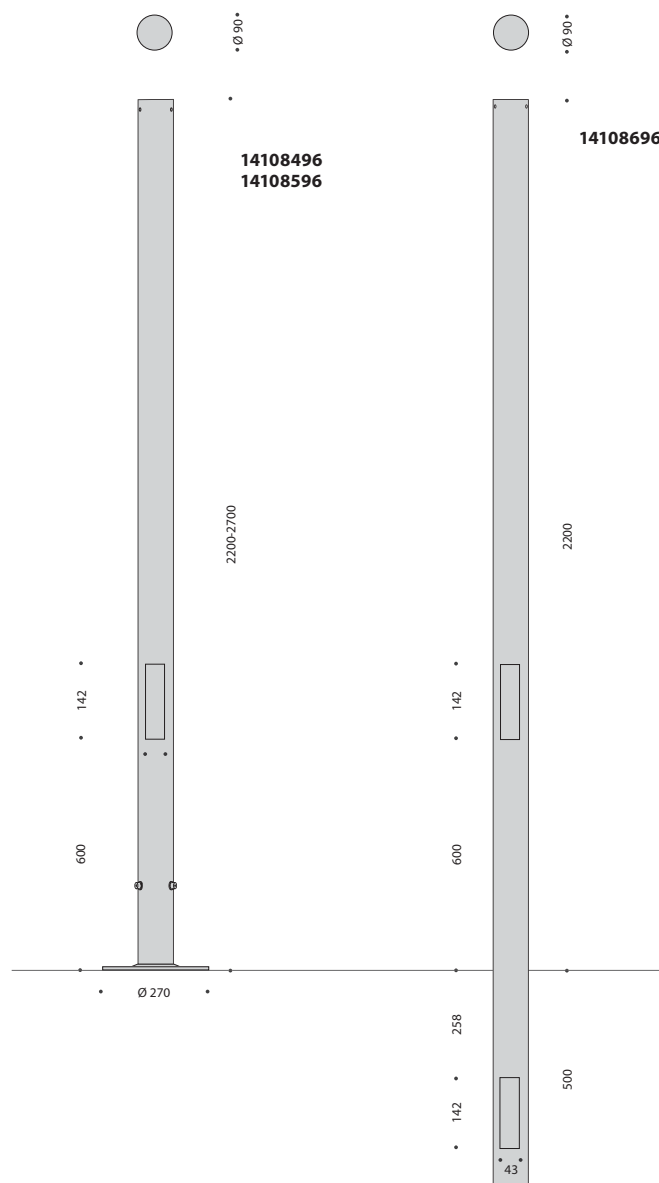
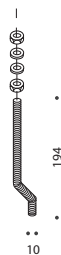
1A+1B+1C2+1D+3E = 7 codes

	COMPONENTS
A	luminaire
B	arm
C1	post INT.
C2	post FT.
D	flange plate
E	fixing rod

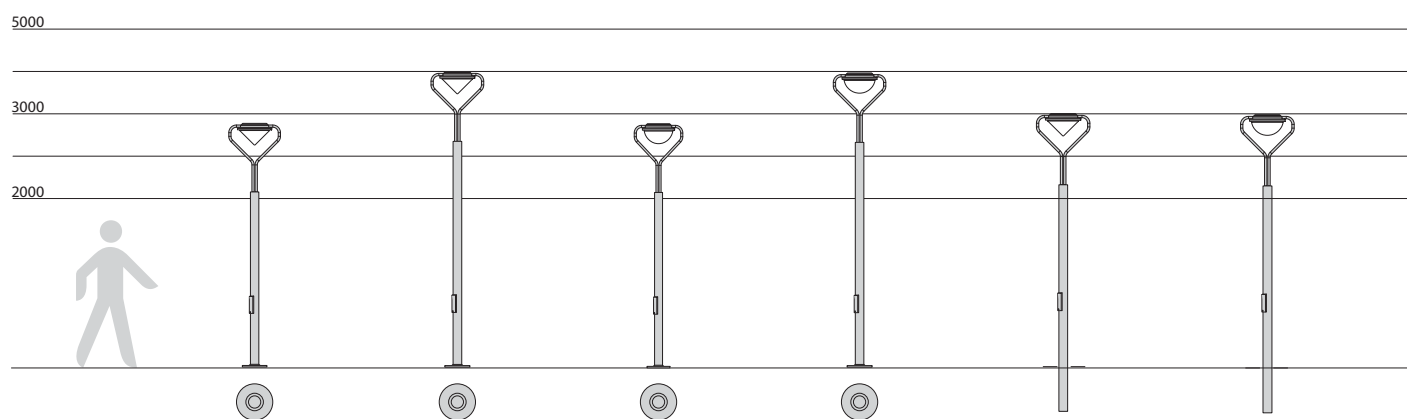


14108996

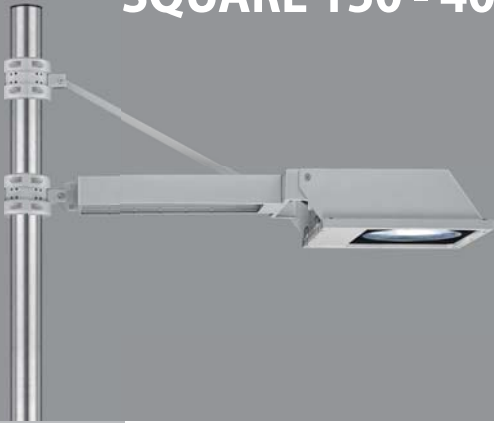
14109020



14108696



SYSTEMPARK SQUARE 150 - 400



SystemPark Square are high performance fittings with a clean linear contemporary design suitable for HID and LED light sources. They are available in two sizes and offer the following wide variety of optics: HID; Symmetrical, asymmetrical medium beam, circular narrow beam, street lighting and asymmetrical pedestrian crossing version. LED; Narrow, medium and wide beam lenses with elliptical and asymmetrical distribution.

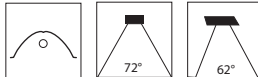
- Post or wall mounted luminaire c/w integral control gear suitable for HID lamps (sodium and metal halide).
- Die-cast aluminium body.
- Toughened safety glass with silk-screen masking secured into a die-cast aluminium frame.
- Anti-ageing silicone gasket.
- High purity aluminium reflectors anodised and polished.
- Outreach arms in die-cast aluminium painted finish.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.
- SQUARE 150 version complete with PG11 tear proof cable for H05RN-F 3G1 Ø5-10mm cable.
- SQUARE 400 version complete with M20x1.5 tear proof cable for H05RN-F 3G1 Ø10-14mm cable.
- Optics: symmetrical (S), asymmetrical (A), circular (C), street lighting (WR) and asymmetrical pedestrian crossing (Zebra).



SYSTEMPARK SQUARE 150/S

Symmetrical reflector

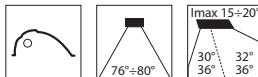
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	MD		S	97	I	CR		•	05253997	
RX7s	70W	MD		S	96	I	CR		•	05254096	
RX7s	150W	MD		S	97	I	CR		•	05254197	
RX7s	150W	MD		S	96	I	CR		•	05254296	
RX7s	70W	MD		S	97	II	CR		•	05276397	
RX7s	70W	MD		S	96	II	CR		•	05276496	
RX7s	150W	MD		S	97	II	CR		•	05276597	
RX7s	150W	MD		S	96	II	CR		•	05276696	



SYSTEMPARK SQUARE 150/A

Asymmetrical reflector

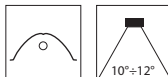
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	MD		A	97	I	CR		•	05254397	
RX7s	70W	MD		A	96	I	CR		•	05254496	
RX7s	150W	MD		A	97	I	CR		•	05254597	
RX7s	150W	MD		A	96	I	CR		•	05254696	
RX7s	70W	MD		A	97	II	CR		•	05276797	
RX7s	70W	MD		A	96	II	CR		•	05276896	
RX7s	150W	MD		A	97	II	CR		•	05276997	
RX7s	150W	MD		A	96	II	CR		•	05277096	



SYSTEMPARK SQUARE 150/C

Circular reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	MD		C	97	I	CR		•	05254797	
RX7s	70W	MD		C	96	I	CR		•	05254896	
RX7s	150W	MD		C	97	I	CR		•	05254997	
RX7s	150W	MD		C	96	I	CR		•	05255096	
RX7s	70W	MD		C	97	II	CR		•	05277197	
RX7s	70W	MD		C	96	II	CR		•	05277296	
RX7s	150W	MD		C	97	II	CR		•	05277397	
RX7s	150W	MD		C	96	II	CR		•	05277496	



SYSTEMPARK SQUARE 150 - 400

				IK 08 5J	SYSTEMPARK SQUARE 150 max 5,1kg	SYSTEMPARK SQUARE 400 max 13,2 kg		
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CLASS I		CLASS II		96	97	IP 66		SYSTEMPARK SQUARE 150 70÷150W 70÷150W Max 39,6W MH-TD/CDM-TD HQT-TS CDM-T HQT-T/HCT			SYSTEMPARK SQUARE 400 max 400W 150W 250W CDO-TT HQT-T/D HQT-TS MH-TD HQT-TS MH-TD		
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SYSTEMPARK SQUARE 150

276 107 328

216 3xØ9 2xM8 35 140

PG11 Ø5+Ø10

H05RN-F 3G1

3x2,5mm²

SYSTEMPARK SQUARE 400

419 156 494

350 1xØ14 2xØ11 2xM10 45 290

M20x1,5 Ø10+14

H05RN-F 3G1,5

3x7,5mm²



SYSTEMPARK SQUARE 150/WR

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G12	70W	MD		WR	97	I	CR		•	05287197	
G12	70W	MD		WR	96	I	CR		•	05287296	
G12	150W	MD		WR	97	I	CR		•	05287397	
G12	150W	MD		WR	96	I	CR		•	05287496	
G12	70W	MD		WR	97	II	CR		•	05287497	
G12	70W	MD		WR	96	II	CR		•	05287596	
G12	150W	MD		WR	97	II	CR		•	05287697	
G12	150W	MD		WR	96	II	CR		•	05287796	

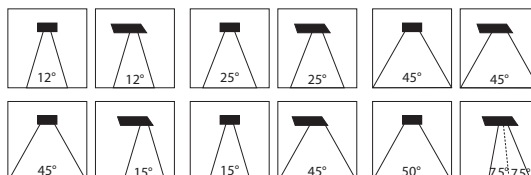


SYSTEMPARK SQUARE 150-LED 6000°K

Lampholder	W	lcos	"K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
n.36 led 350mA	39,6W		6000	C 12°	97	I	ETRC		•	06024997	
n.36 led 350mA	39,6W		6000	C 12°	96	I	ETRC		•	06025096	
n.36 led 350mA	39,6W		6000	C 25°	97	I	ETRC		•	06025197	
n.36 led 350mA	39,6W		6000	C 25°	96	I	ETRC		•	06025296	
n.36 led 350mA	39,6W		6000	C 45°	97	I	ETRC		•	06025397	
n.36 led 350mA	39,6W		6000	C 45°	96	I	ETRC		•	06025496	
n.36 led 350mA	39,6W		6000	ELL 45°x15°	97	I	ETRC		•	06025597	
n.36 led 350mA	39,6W		6000	ELL 45°x15°	96	I	ETRC		•	06025696	
n.36 led 350mA	39,6W		6000	ELL 15°x45°	97	I	ETRC		•	06025797	
n.36 led 350mA	39,6W		6000	ELL 15°x45°	96	I	ETRC		•	06025896	
n.36 led 350mA	39,6W		6000	A 6°	97	I	ETRC		•	06025997	
n.36 led 350mA	39,6W		6000	A 6°	96	I	ETRC		•	06026096	

SYSTEMPARK SQUARE 150-LED 3000°K

Lampholder	W	Ilcos	"K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
n.36 led 350mA	39,6W		3000	C 12°	97	I	ETRC		•	06026197	
n.36 led 350mA	39,6W		3000	C 12°	96	I	ETRC		•	06026296	
n.36 led 350mA	39,6W		3000	C 25°	97	I	ETRC		•	06026397	
n.36 led 350mA	39,6W		3000	C 25°	96	I	ETRC		•	06026496	
n.36 led 350mA	39,6W		3000	C 45°	97	I	ETRC		•	06026597	
n.36 led 350mA	39,6W		3000	C 45°	96	I	ETRC		•	06026696	
n.36 led 350mA	39,6W		3000	ELL 45°x15°	97	I	ETRC		•	06026797	
n.36 led 350mA	39,6W		3000	ELL 45°x15°	96	I	ETRC		•	06026896	
n.36 led 350mA	39,6W		3000	ELL 15°x45°	97	I	ETRC		•	06026997	
n.36 led 350mA	39,6W		3000	ELL 15°x45°	96	I	ETRC		•	06027096	
n.36 led 350mA	39,6W		3000	A 6°	97	I	ETRC		•	06027197	
n.36 led 350mA	39,6W		3000	A 6°	96	I	ETRC		•	06027296	





SYSTEMPARK SQUARE 400/S Symmetrical reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
E40	150W	MT	S	97	I	CR				• 05255197	
E40	150W	MT	S	96	I	CR				• 05255296	
E40	250W	MT	S	97	I	CR				• 05255397	
E40	250W	MT	S	96	I	CR				• 05255496	
E40	400W	MT	S	97	I	CR				• 05255597	
E40	400W	MT	S	96	I	CR				• 05255696	
E40	150W	MT	S	97	II	CRF				• 05277597	☐
E40	150W	MT	S	96	II	CRF				• 05277696	☐
E40	250W	MT	S	97	II	CRF				• 05277797	☐
E40	250W	MT	S	96	II	CRF				• 05277896	☐
E40	400W	MT	S	97	II	CRF				• 05277997	☐
E40	400W	MT	S	96	II	CRF				• 05278096	☐



☐ With fuse.



SYSTEMPARK SQUARE 400/A Asymmetrical reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
E40	150W	MT	A	97	I	CR				• 05255797	
E40	150W	MT	A	96	I	CR				• 05255896	
E40	250W	MT	A	97	I	CR				• 05255997	
E40	250W	MT	A	96	I	CR				• 05256096	
E40	400W	MT	A	97	I	CR				• 05256197	
E40	400W	MT	A	96	I	CR				• 05256296	
E40	150W	MT	A	97	II	CRF				• 05278197	☐
E40	150W	MT	A	96	II	CRF				• 05278296	☐
E40	250W	MT	A	97	II	CRF				• 05278397	☐
E40	250W	MT	A	96	II	CRF				• 05278496	☐
E40	400W	MT	A	97	II	CRF				• 05278597	☐
E40	400W	MT	A	96	II	CRF				• 05278696	☐



☐ With fuse.



SYSTEMPARK SQUARE 400/C Circular reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
RX7s	150W	MD	C	97	I	CR				• 05256397	
RX7s	150W	MD	C	96	I	CR				• 05256496	
Fc2	250W	MD	C	97	I	CR				• 05256597	
Fc2	250W	MD	C	96	I	CR				• 05256696	
RX7s	150W	MD	C	97	II	CRF				• 05278797	☐
RX7s	150W	MD	C	96	II	CRF				• 05278896	☐
Fc2	250W	MD	C	97	II	CRF				• 05278997	☐
Fc2	250W	MD	C	96	II	CRF				• 05279096	☐



☐ With fuse.

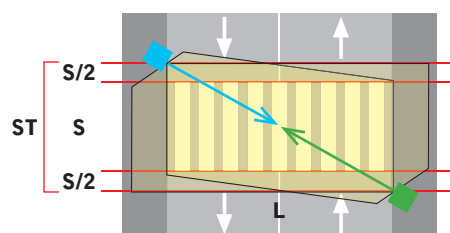
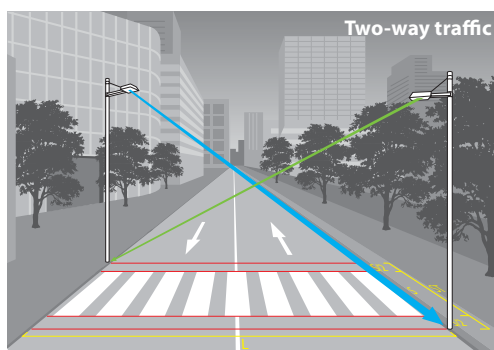


SYSTEMPARK SQUARE 400/ZEBRA

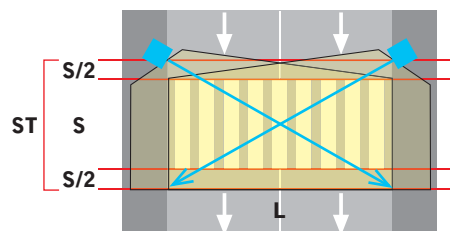
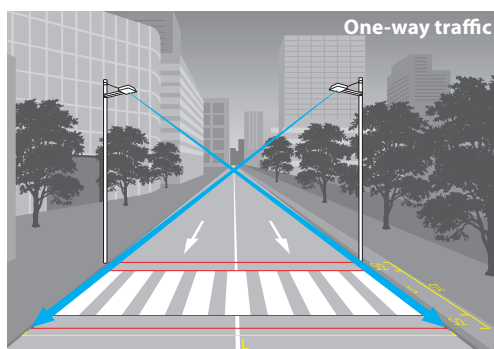
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
E40	150W	ST-MT	A	97	I	CR				• 05325597	
E40	150W	ST-MT	A	96	I	CR				• 05325496	
E40	250W	ST-MT	A	97	I	CR				• 05325997	
E40	250W	ST-MT	A	96	I	CR				• 05325896	
E40	400W	ST-MT	A	97	I	CR				• 05326397	
E40	400W	ST-MT	A	96	I	CR				• 05326296	
E40	150W	ST-MT	A	97	II	CRF				• 05326597	⇌
E40	150W	ST-MT	A	96	II	CRF				• 05326496	⇌
E40	250W	ST-MT	A	97	II	CRF				• 05326997	⇌
E40	250W	ST-MT	A	96	II	CRF				• 05326896	⇌
E40	400W	ST-MT	A	97	II	CRF				• 05327397	⇌
E40	400W	ST-MT	A	96	II	CRF				• 05327296	⇌

⇌ With fuse.

The SQUARE 02/ZEBRA range are designed for use on pedestrian crossings. They are available for use with high pressure sodium, or metal halide to take advantage of high colour rendering light sources in sensitive crossing areas to highlight pedestrian traffic.



L= road width
S= zebra crossing width
ST= total width of illumination area
Hmin= minimum height installation
INSTALLATION Hmin = 1,5xST



SYSTEMPARK SQUARE 400/WR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
E40	100W	MT		SR	97	I	CR			• 05328397	Work in progress
E40	100W	MT		SR	96	I	CR			• 05328296	Work in progress
E40	150W	MT		SR	97	I	CR			• 05328597	Work in progress
E40	150W	MT		SR	96	I	CR			• 05328496	Work in progress
E40	250W	MT		SR	97	I	CR			• 05328797	Work in progress
E40	250W	MT		SR	96	I	CR			• 05328696	Work in progress
E40	100W	MT		SR	97	II	CRF			• 05329197	⇌ Work in progress
E40	100W	MT		SR	96	II	CRF			• 05329096	⇌ Work in progress
E40	150W	MT		SR	97	II	CRF			• 05329397	⇌ Work in progress
E40	150W	MT		SR	96	II	CRF			• 05329296	⇌ Work in progress
E40	250W	MT		SR	97	II	CRF			• 05329597	⇌ Work in progress
E40	250W	MT		SR	96	II	CRF			• 05329496	⇌ Work in progress

⇌ With fuse.

SystemPark Line are high performance linear fluorescent fittings available in three different lengths, suitable for FD (T5) linear and compact fluorescent lamp sources.

- Post or wall mounted luminaire c/w integral control gear.
- Extruded aluminium housing c/w die-cast aluminium end caps.
- Toughened safety glass cover with silk screen masking, hinges to body for easy maintenance.
- Anti-ageing silicone gaskets.
- High purity (99.85%) aluminium reflector anodised and polished.
- Adjustable lampholder position for FD (T5) versions, provides two types of distribution.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.



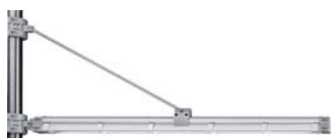
SYSTEMPARK LINE 100

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
G5	21W	FH		S	97	II	ETRC	A2	•	05256797	
G5	21W	FH		S	96	II	ETRC	A2	•	05256896	
G5	39W	FQ		S	97	II	ETRC	A2	•	05256997	
G5	39W	FO		S	96	II	ETRC	A2	•	05257096	



SYSTEMPARK LINE 130

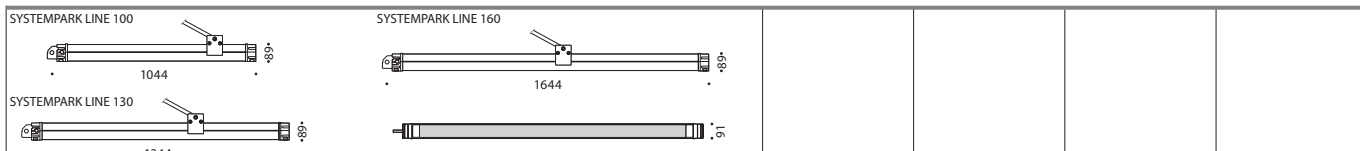
SYSTEM AIRLINE LSC											
Lampholder	W	ILCS	"K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
2G11	2x55W	FSD		S	97	II	ETRC	A2	•	05257197	 
2G11	2x55W	FSD		S	96	II	ETRC	A2	•	05257296	 
G5	28W	FH		S	97	II	ETRC	A2	•	05257397	 
G5	28W	FH		S	96	II	ETRC	A2	•	05257496	 
G5	54W	FQ		S	97	II	ETRC	A2	•	05257597	
G5	54W	FQ		S	96	II	ETRC	A2	•	05257696	



SYSTEMPARK LINE 160

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
2G11	2x80W	FSD		S	97	II	ETRC	A2	•	05257797	 
2G11	2x80W	FSD		S	96	II	ETRC	A2	•	05257896	 
G5	35W	FH		S	97	II	ETRC	A2	•	05257997	 
G5	35W	FH		S	96	II	ETRC	A2	•	05258096	 
G5	49W	FQ		S	97	II	ETRC	A2	•	05258197	 
G5	49W	FQ		S	96	II	ETRC	A2	•	05258296	 
G5	80W	FQ		S	97	II	ETRC	A2	•	05258397	 
G5	80W	FO		S	96	II	ETRC	A2	•	05258496	 

 Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



SYSTEMPARK SKY



- Post mounted luminaire c/w integral control gear.
- Body and cover ring in die-cast aluminium painted finish.
- Clear toughened safety glass with silk screen masking.
- Anti-ageing silicone gaskets.
- Anodised aluminium reflectors.
- Adjustable fixing manufactured from die-cast aluminium painted finish.
- Extruded aluminium housing frame.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.

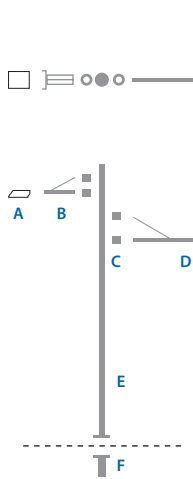


Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	2x70W	MT		C	97	I	CR		•	05258597	
G12	2x70W	MT		C	96	I	CR		•	05258696	
GX24d-3	2x26W	FSM		C	97	I	CR		•	05258797	
GX24d-3	2x26W	FSM		C	96	I	CR		•	05258896	

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cavg ≥ 0,9	Code	Notes
G12	2x70W	MT		WR	97	I	CR		•	05348097	
G12	2x70W	MT		WR	96	I	CR		•	05348196	

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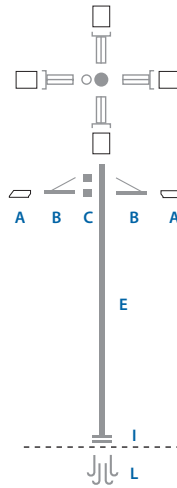
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COMPLETE UNIT

1A+1B+4C+1D+1E+1F = 9 codes

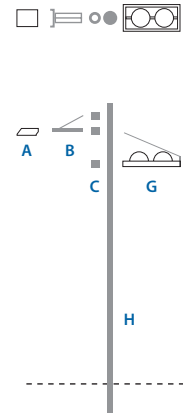
COMPONENTS	
A	1 Square luminaire
B	1 pole arm for Square
C	4 pole mounting kits
D	1 Line luminaire
E	1 pole FT
F	1 flange plate



COMPLETE UNIT

4A+4B+2C+1D+1E+4F = 16 codes

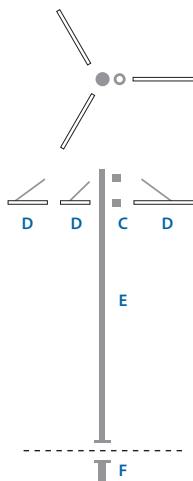
COMPONENTS	
A	4 Square luminaires
B	4 staffs per palo
C	2 pole mounting kits
D	1 pole FT
E	1 base plate
L	4 fixing rods



COMPLETE UNIT

1A+1B+3C+1D+1E = 7 codes

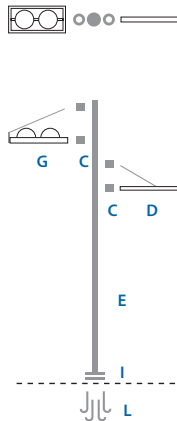
COMPONENTS	
A	1 Square luminaire
B	1 pole arm for Square
C	3 pole mounting kits
G	1 Sky luminaire
H	1 pole INT



COMPLETE UNIT

3A+2B+1C+1D = 7 codes

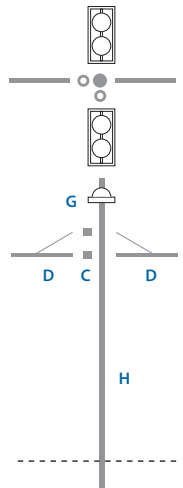
COMPONENTS	
D	3 Line luminaires
C	2 pole mounting kits
E	1 pole FT
F	1 flange plate



COMPLETE UNIT

1A+4B+1C+1D+1E+4F = 12 codes

COMPONENTS	
G	1 Sky luminaire
C	4 pole mounting kits
D	1 Line luminaire
E	1 pole FT
I	1 base plate
L	4 fixing rods



COMPLETE UNIT

2A+2B+4C+1D = 9 codes

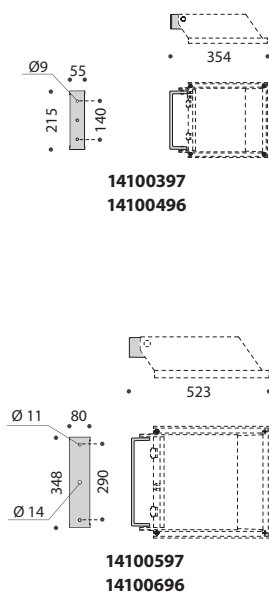
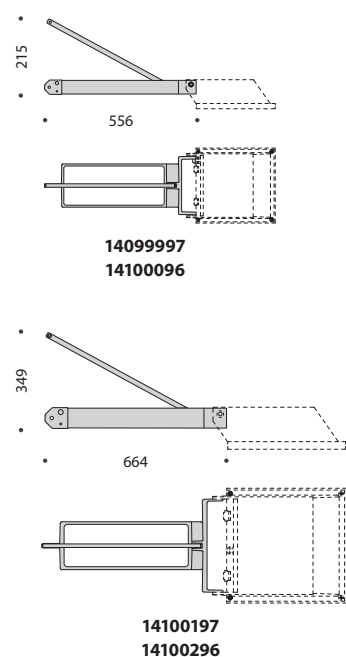
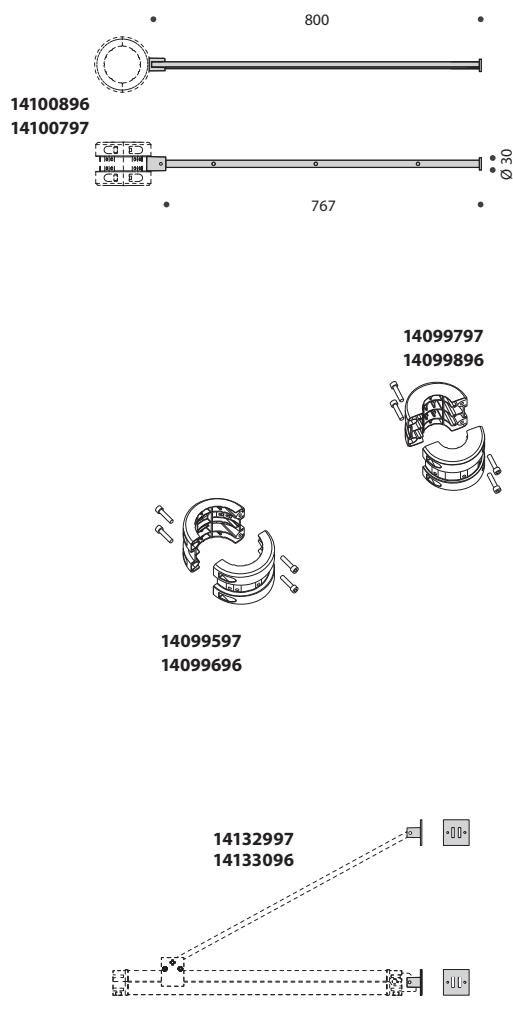
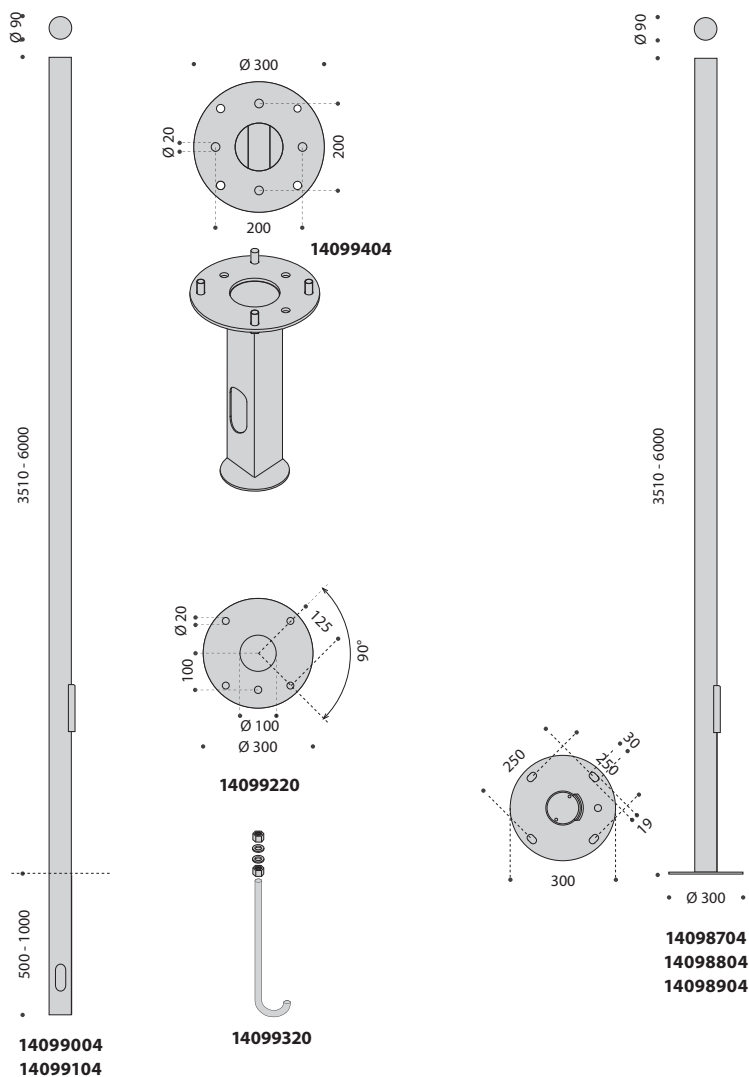
COMPONENTS	
G	2 Sky luminaires
D	2 Line luminaires
C	4 pole mounting kits
H	1 pole INT

Range of stainless steel poles. Cylindrical column 304 stainless steel, Ø90mm 2.5mm thickness, available in 3.5m, 5m and 6m flange mounted versions or 5m+1m and 6m+1m root mounted. Additional earth connection located near to flange.

Aluminium door to wiring compartment containing technopolymer V0-UL94 wiring tray with switched fuse holder and 16mm² 5-pole terminal block suitable for through wiring and three phase connection. Flange mounted poles (FT) are designed for use with

14099404 root mounted flange plate. Die-cast aluminium pole clamps painted finished. Stainless steel poles are suitable for mounting one, two, three or four fittings from the SystemPark LINE 100, 130, 160 or SQUARE 150 range of fittings and a maximum of one SQUARE 400 per

pole. Outreach arm in die-cast aluminium painted finish. Aluminium support rod painted finish. Accessories for advertising banners.



Code	Denomination	Colour	Description
14098704	A0474/304-3,5	04	Pole Ø 90 mm F.T. 3,5 m c/w flange
14098804	A0474/304-5	04	Pole Ø 90 mm F.T. 5 m c/w flange
14098904	A0474/304-6	04	Pole Ø 90 mm F.T. 6 m c/w flange
14099004	A0475/304-5+1	04	Pole Ø 90 mm INT. (buried) 5+1 m
14099104	A0475/304-6+1	04	Pole Ø 90 mm INT. (buried) 6+1 m
14099220	A0476		Base plate/1 F.T.post
14099320	A0477		Fixing rod Ø 18 X 400
14099404	A0478	04	Flange plate
14099597	A0479-D90	97	Pole mounting kit Ø 90
14099696	A0479-D90	96	
14099797	A0479-D60	97	Pole mounting kit Ø 60
14099896	A0479-D60	96	
14099997	A0480	97	Pole arms for Square 150
14100096	A0480	96	
14100197	A0481	97	Pole arms for Square 400
14100296	A0481	96	
14100397	A0482	97	Arms for Square 150
14100496	A0482	96	
14100597	A0483	97	Arms for Square 400
14100696	A0483	96	
14100797	A0484	97	Banner kit
14100896	A0484	96	
14132997	A0537	97	Wall mount kit
14133096	A0537	96	



SQUARE is a range of high performance compact floodlights with a distinctive linear geometry and shallow depth making them suitable for various contemporary and stylish applications:

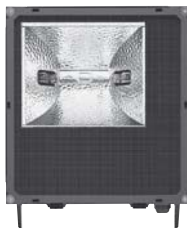
- Discreet positioning with minimum visual impact, such as lofts, eaves and terraces.
- Architectural appealing design with high performance.

SQUARE is available in two sizes:

SQUARE 01 (max 150W) and SQUARE 02 (max 400W).

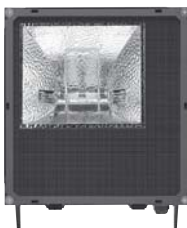
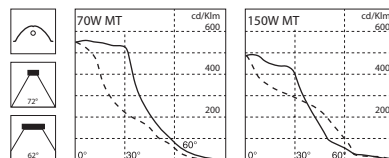
They are available with symmetrical or asymmetrical medium beam reflectors and a narrow beam circular reflector or with street lighting reflector (SQUARE 01). A range of light sources and accessories makes SQUARE a flexible luminaire for general area floodlighting with versions suitable for use in lighting installations designed in accordance with current regulations regarding lighting pollution.

- Body in die-cast aluminium chromate pre-treated finished polyester coated.
- Symmetrical, asymmetrical or circular reflectors in high purity aluminium anodised and polished.
- Toughened "safety" glass cover mounted in aluminium frame which hinges down for maintenance.
- Silicone rubber anti-ageing gasket.
- PG11 anti-tearing cable gland for H05RN-F 3G1 Ø5-10mm cables.
- Stainless steel external screws.



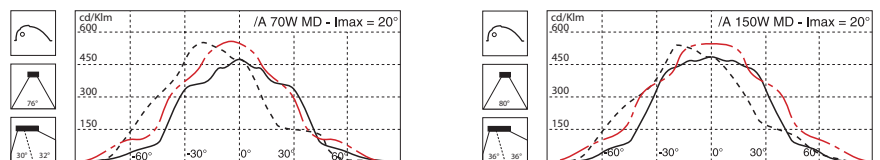
SQUARE 01/S

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD		S	96	II	CR			• 05268596	
RX7s	150W	SD-MD		S	96	II	CR			• 05268696	
RX7s	70W	SD-MD		S	96	I	CR			• 05292896	
RX7s	150W	SD-MD		S	96	I	CR			• 05292996	



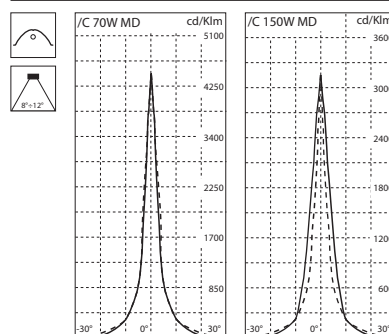
SQUARE 01/A

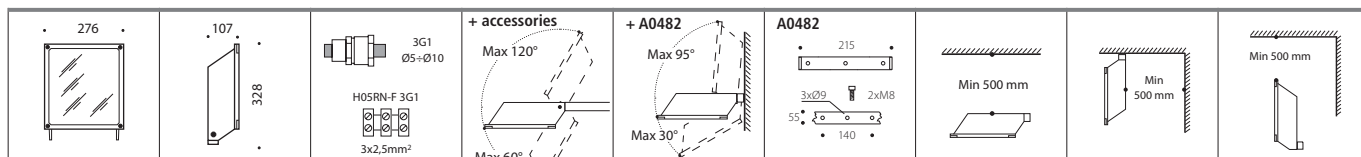
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD		A	96	II	CR			• 05268796	
RX7s	150W	SD-MD		A	96	II	CR			• 05268896	
RX7s	70W	SD-MD		A45°	96	II	CR			• 05268996	
RX7s	150W	SD-MD		A45°	96	II	CR			• 05269096	
RX7s	70W	SD-MD		A	96	I	CR			• 05293096	
RX7s	150W	SD-MD		A	96	I	CR			• 05293196	
RX7s	70W	SD-MD		A45°	96	I	CR			• 05293296	
RX7s	150W	SD-MD		A45°	96	I	CR			• 05293396	



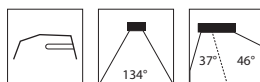
SQUARE 01/C

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD		C	96	II	CR			• 05269196	
RX7s	150W	SD-MD		C	96	II	CR			• 05269296	
RX7s	70W	SD-MD		C	96	I	CR			• 05293496	
RX7s	150W	SD-MD		C	96	I	CR			• 05293596	

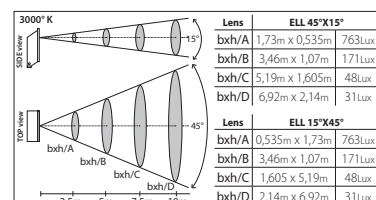
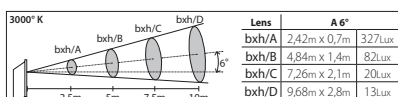
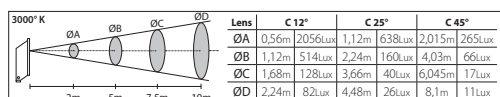




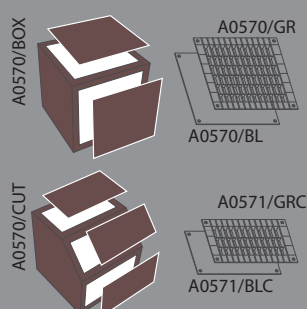
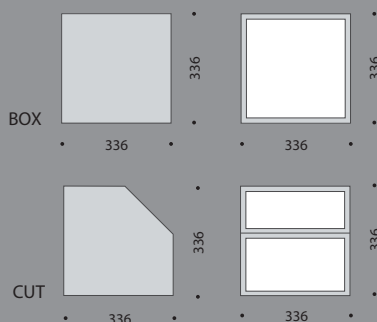
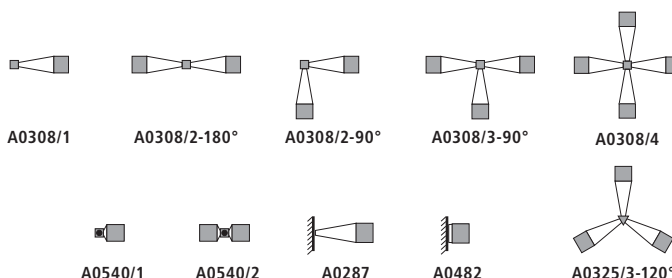
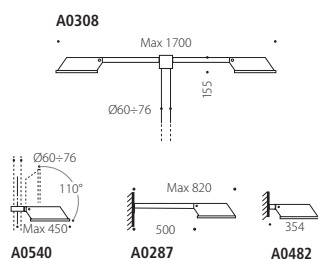
Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL = Cosφ ≥ 0,9	Code	Notes
G12	70W	MT		WR	96	II	CR	•	05275696	
G12	150W	MT		WR	96	II	CR	•	05275796	
G12	70W	MT		WR	96	I	CR	•	05293696	
G12	150W	MT		WR	96	I	CR	•	05293796	



Ampholder	W	icos	°K	Optic	Colour	Class	Wiring	EEL = Cosφ ≥ 0,9	Code	Notes
n.36 led 350mA	39,6W		6000	C 12°	96	I	ETRC	•	06023396	
n.36 led 350mA	39,6W		6000	C 25°	96	I	ETRC	•	06023496	
n.36 led 350mA	39,6W		6000	C 45°	96	I	ETRC	•	06023596	
n.36 led 350mA	39,6W		6000	ELL 45°x15°	96	I	ETRC	•	06023696	
n.36 led 350mA	39,6W		6000	ELL 15°x45°	96	I	ETRC	•	06023796	
n.36 led 350mA	39,6W		6000	A 6°	96	I	ETRC	•	06023896	
n.36 led 350mA	39,6W		3000	C 12°	96	I	ETRC	•	06023996	
n.36 led 350mA	39,6W		3000	C 25°	96	I	ETRC	•	06024096	
n.36 led 350mA	39,6W		3000	C 45°	96	I	ETRC	•	06024196	
n.36 led 350mA	39,6W		3000	ELL 45°x15°	96	I	ETRC	•	06024296	
n.36 led 350mA	39,6W		3000	ELL 15°x45°	96	I	ETRC	•	06024396	
n.36 led 350mA	39,6W		3000	A 6°	96	I	ETRC	•	06024496	



Code	Colour Description
14110396	96 A0308/1
14110496	96 A0308/2-90°
14110596	96 A0308/2-180°
14110696	96 A0308/3-90°
14110796	96 A0325/3-120°
14110896	96 A0308/4
14133596	96 A0540/1
14133696	96 A0540/2
14111196	96 A0287/500
14100496	96 A0482



Code	Colour	Denomination	Description
14140175	75	A0570/BOX	BOX structure with 2 open sides.
14140275	75	A0570/BL	Blind plug for BOX structure.
14140375	75	A0570/GR	Grid for BOX structure.

Code	Colour	Denomination	Description
14140475	75	A0571/CUT	BOX structure with 3 open sides.
14140575	75	A0571/BLC	Blind plug for BOX structure.
14140675	75	A0571/GRC	Grid for BOX structure.



SQUARE is a range of high performance compact floodlights with a distinctive linear geometry and shallow depth making them suitable for various contemporary and stylish applications:

- Discreet positioning with minimum visual impact, such as lofts, eaves and terraces.
- Architectural appealing design with high performance.

SQUARE is available in two sizes: SQUARE 01 (max 150W) and SQUARE 02 (max 400W).

They are available with symmetrical or asymmetrical medium beam reflectors and a narrow beam circular reflector or with street lighting reflector (SQUARE 01). A range of light sources and accessories makes SQUARE a flexible luminaire for general area floodlighting with versions suitable for use in lighting installations designed in accordance with current regulations regarding lighting pollution.

- Body in die-cast aluminium chromate pre-treated finished polyester coated.
- Symmetrical, asymmetrical or circular reflectors in high purity aluminium anodised and polished.
- Toughened "safety" glass cover mounted in aluminium frame which hinges down for maintenance.
- Silicone rubber anti-ageing gasket.
- M20x1.5 anti-tearing cable gland for H05RN-F 3G1.5 Ø10-14mm cables.
- Stainless steel external screws.

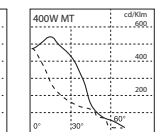
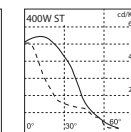
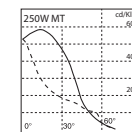
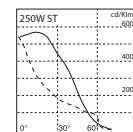
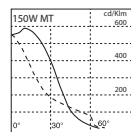
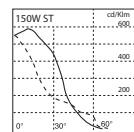


SQUARE 02/S Symmetrical medium beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT		S	96	II	CRF		•	05269396	⇒
E40	250W	ST-MT		S	96	II	CRF		•	05269496	⇒
E40	400W	ST-MT		S	96	II	CRF		•	05269596	⇒
E40	150W	ST-MT		S	96	I	CR		•	05293896	
E40	250W	ST-MT		S	96	I	CR		•	05293996	
E40	400W	ST-MT		S	96	I	CR		•	05294096	
E40	250W	MT*		S	96	I	CR		•	05294196	*For lamp HPI-T
E40	400W	MT*		S	96	I	CR		•	05294296	*For lamp HPI-T



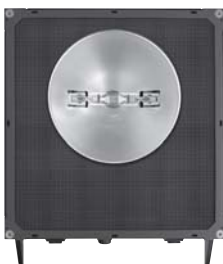
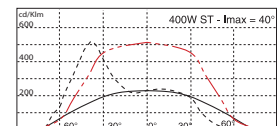
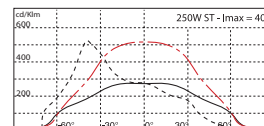
⇒ Wired HPF + fuse.



SQUARE 02/A Asymmetrical medium beam reflector

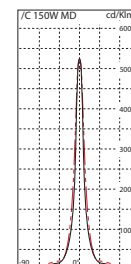
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT		A	96	II	CRF		•	05269896	⇒
E40	250W	ST-MT		A	96	II	CRF		•	05269996	⇒
E40	400W	ST-MT		A	96	II	CRF		•	05270096	⇒
E40	150W	ST-MT		A	96	I	CR		•	05294396	
E40	250W	ST-MT		A	96	I	CR		•	05294496	
E40	400W	ST-MT		A	96	I	CR		•	05294596	
E40	250W	MT*		A	96	I	CR		•	05294696	*For lamp HPI-T
E40	400W	MT*		A	96	I	CR		•	05294796	*For lamp HPI-T

⇒ Wired HPF + fuse.



SQUARE 02/C Circular narrow beam reflector

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
Fc2	250W	MD		C	96	II	CRF		•	05270396	⇒
Fc2	250W	MD		C	96	I	CR		•	05294896	

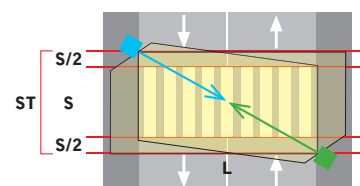
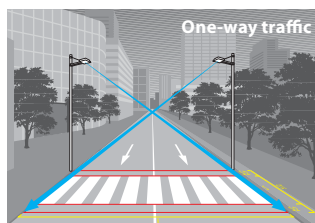
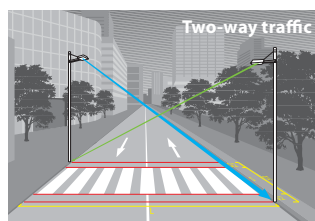


⇒ Wired HPF + fuse.

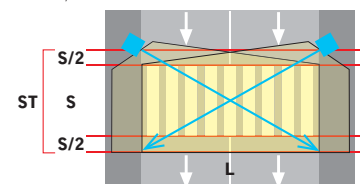


Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT		A	96	II	CRF		•	05324096	⇄
E40	250W	ST-MT		A	96	II	CRF		•	05324296	⇄
E40	400W	ST-MT		A	96	II	CRF		•	05324496	⇄
E40	150W	ST-MT		A	96	I	CR		•	05322396	
E40	250W	ST-MT		A	96	I	CR		•	05322596	
E40	400W	ST-MT		A	96	I	CR		•	05322796	
E40	250W	MT*		A	96	I	CR		•	05322496	*For lamps HPI-T
E40	400W	MT*		A	96	I	CR		•	05322696	*For lamps HPI-T

 Wired HPF + fuse.



L= road width
S= zebra crossing width
ST= total width of illumination area
Hmin= minimum height installation
INSTALLATION Hmin = 1,5xST

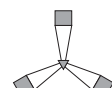
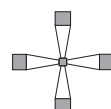
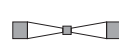
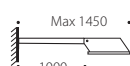
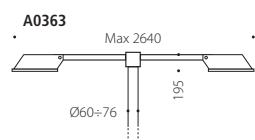


The SQUARE 02/ZEBRA range are designed for use on pedestrian crossings. They are available for use with high pressure sodium, or metal halide to take advantage of high colour rendering light sources in sensitive crossing areas to highlight pedestrian traffic.



Lampholder	W	Ilcos	TK	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E40	100W	ST		SR	96	II	CRF		•	05327896	Work in progress
E40	150W	ST		SR	96	II	CRF		•	05327996	Work in progress
E40	250W	ST		SR	96	II	CRF		•	05328096	Work in progress
E40	100W	ST		SR	96	I	CR		•	05327496	Work in progress
E40	150W	ST		SR	96	I	CR		•	05327596	Work in progress
E40	250W	ST		SR	96	I	CR		•	05327696	Work in progress

Code	Colour	Description
14111296	96	A0363/1
14111396	96	A0363/2-90°
14111496	96	A0363/2-180°
14111596	96	A0363/3-90°
14111696	96	A0363/3-120°
14111796	96	A0363/4
14111896	96	A0307
14100696	96	A0483



SQUARE 01



SQUARE 02



- SQUARE SOLUTION is a combined lighting system for street lighting minor roads and residential areas, commercial complexes and public area lighting.
- A lighting system for direct lighting based on the SQUARE product family suitable for metal halide, high pressure sodium and LED lamps.
- The system comprises a SQUARE fitting and a pole fitted with an architectural bracket or outreach arm. The poles are available with flange plate mounting or root mounted, available in 3.0M and 4.0M height for SQUARE 01 or 6.0M, 7.0M and 8.0M height for SQUARE 02.
- The poles comply with EN40-5 standards and are manufactured in steel to EN10025-S235JR, hot dipped galvanized to EN ISO 1461 standards finished Akzo Nobel 900 matt grey.
- Cylindrical poles; Ø89mm up to 4.0M heights and Ø127mm for greater heights. A door to terminal / fuse compartment is provided, and is the same configuration for single or double mounting options. IP54 in accordance with EN 60529, insulation class II in accordance with IEC-EN 64-8/4 and IK10 in compliance with EN50102.

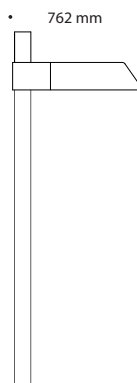
SQUARE SHELL



SQUARE 01 SHELL/1



SQUARE 02 SHELL/1



COMPLETE UNIT

A+B= 2 codes

COMPONENTS

A SQUARE fitting

B Pole and bracket / arm

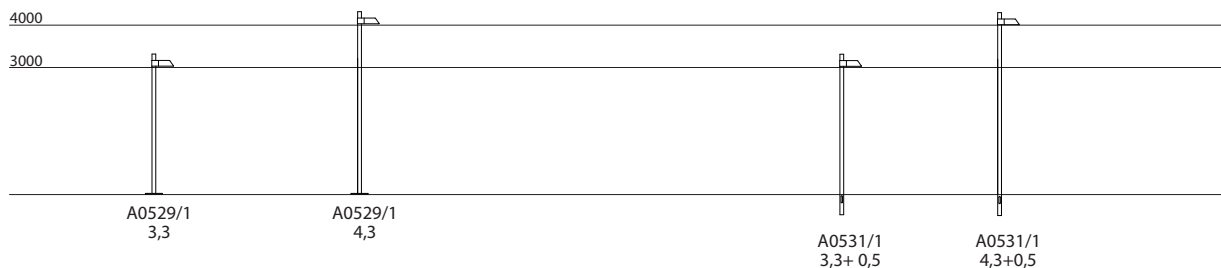
SQUARE 01 SHELL/1

Code	Colour	Notes
14129596	96	A0529/1/3,3
14129696	96	A0529/1/4,3
14130096	96	A0531/1/3,3+0,5
14130196	96	A0531/1/4,3+0,5

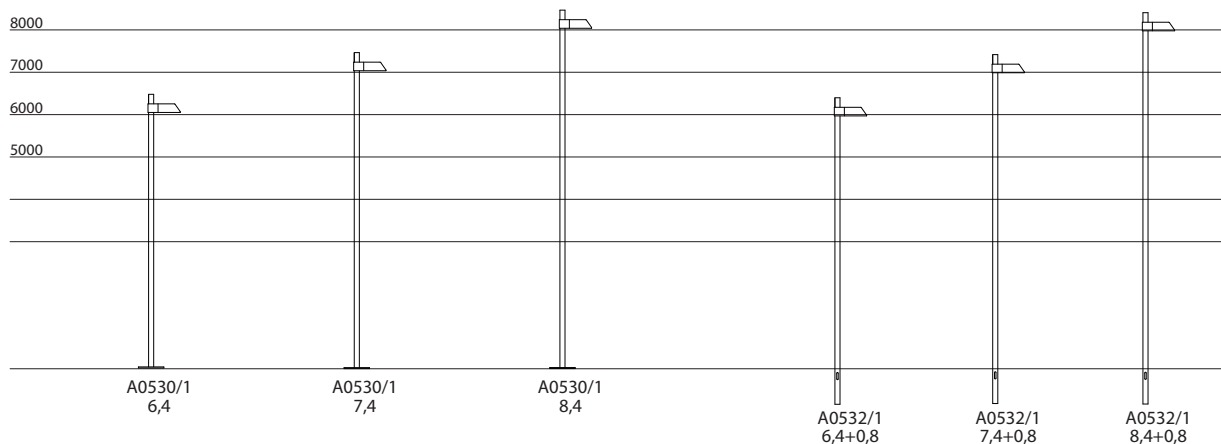
SQUARE 02 SHELL/1

Code	Colour	Notes
14129796	96	A0530/1/6,4
14129896	96	A0530/1/7,4
14129996	96	A0530/1/8,4
14130296	96	A0532/1/6,4+0,8
14130396	96	A0532/1/7,4+0,8
14130496	96	A0532/1/8,4+0,8

SQUARE 01 SHELL/1



SQUARE 02 SHELL/1





COMPLETE UNIT

A+B= 2 codes

COMPONENTS

A SQUARE fitting

B Pole and bracket / arm

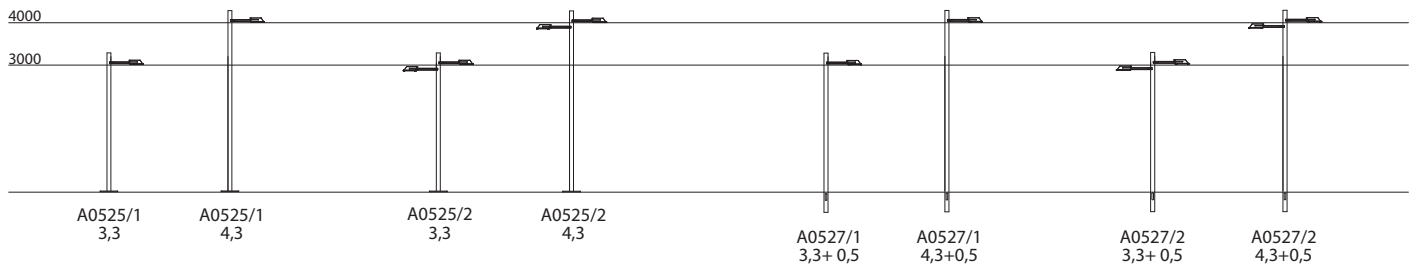
SQUARE 01 CUT/1-2

Code	Colour	Notes
14127596	96	A0525/1/3,3
14127696	96	A0525/1/4,3
14128596	96	A0527/1/3,3+0,5
14128696	96	A0527/1/4,3+0,5
14127796	96	A0525/2/3,3
14127896	96	A0525/2/4,3
14128796	96	A0527/2/3,3+0,5
14128896	96	A0527/2/4,3+0,5

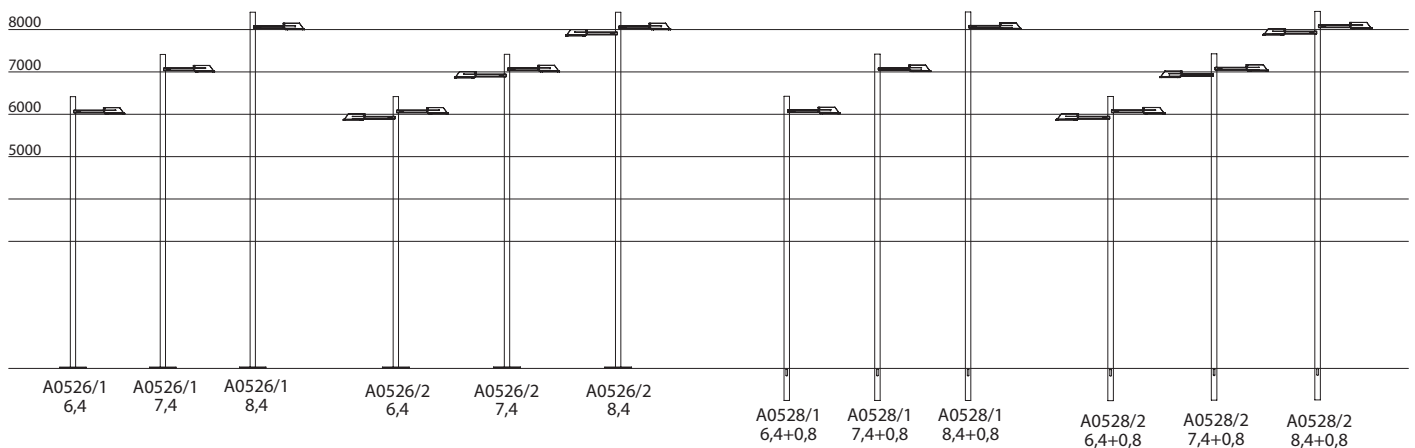
SQUARE 02 CUT/1-2

Code	Colour	Notes
14127996	96	A0526/1/6,4
14128096	96	A0526/1/7,4
14128196	96	A0526/1/8,4
14128996	96	A0528/1/6,4+0,8
14129096	96	A0528/1/7,4+0,8
14129196	96	A0528/1/8,4+0,8
14128296	96	A0526/2/6,4
14128396	96	A0526/2/7,4
14128496	96	A0526/2/8,4
14129296	96	A0528/2/6,4+0,8
14129396	96	A0528/2/7,4+0,8
14129496	96	A0528/2/8,4+0,8

SQUARE 01 CUT/1-2



SQUARE 02 CUT/1-2





COMPLETE UNIT

A+B= 2 codes

COMPONENTS

- A SQUARE fitting
- B Pole and bracket / arm

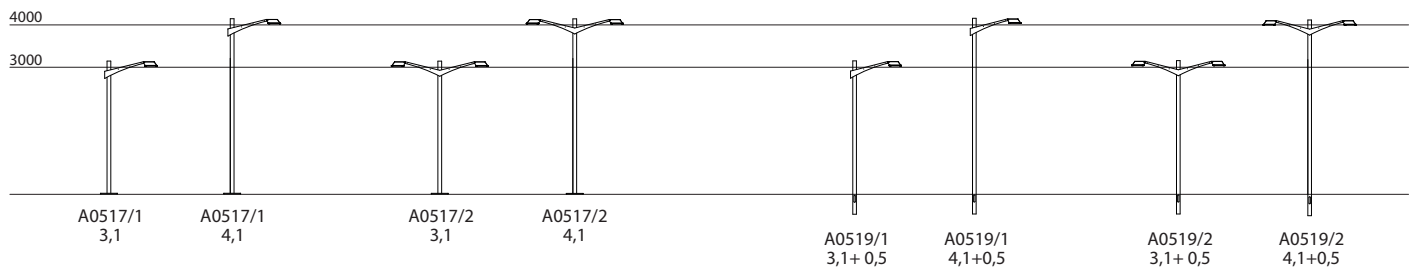
SQUARE 01 BAR/1-2

Code	Colour	Notes
14123596	96	A0517/1/3,1
14123696	96	A0517/1/4,1
14124596	96	A0519/1/3,1+0,5
14124696	96	A0519/1/4,1+0,5
14123796	96	A0517/2/3,1
14123896	96	A0517/2/4,1
14124796	96	A0519/2/3,1+0,5
14124896	96	A0519/2/4,1+0,5

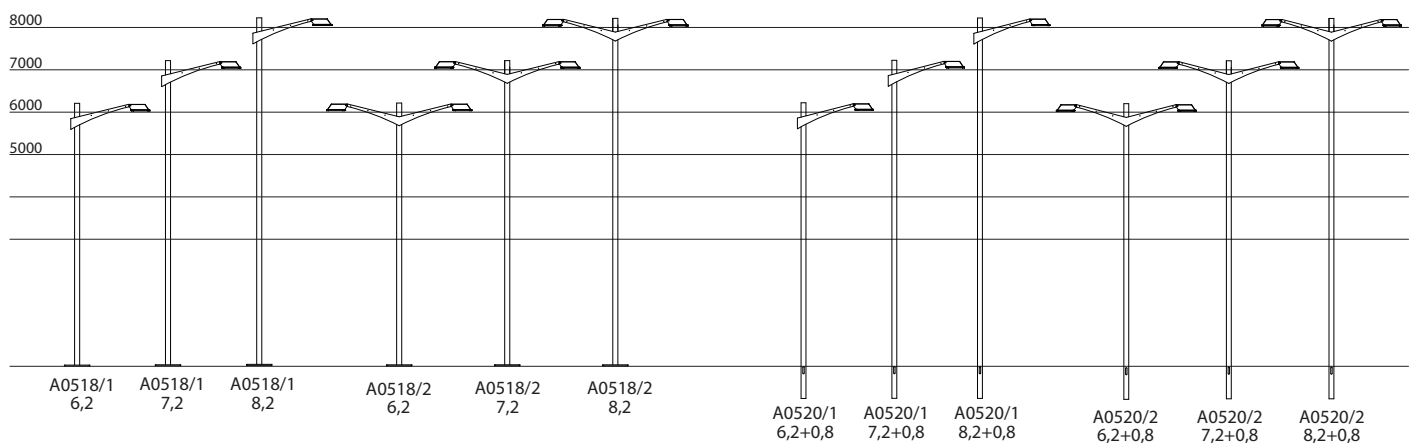
SQUARE 02 BAR/1-2

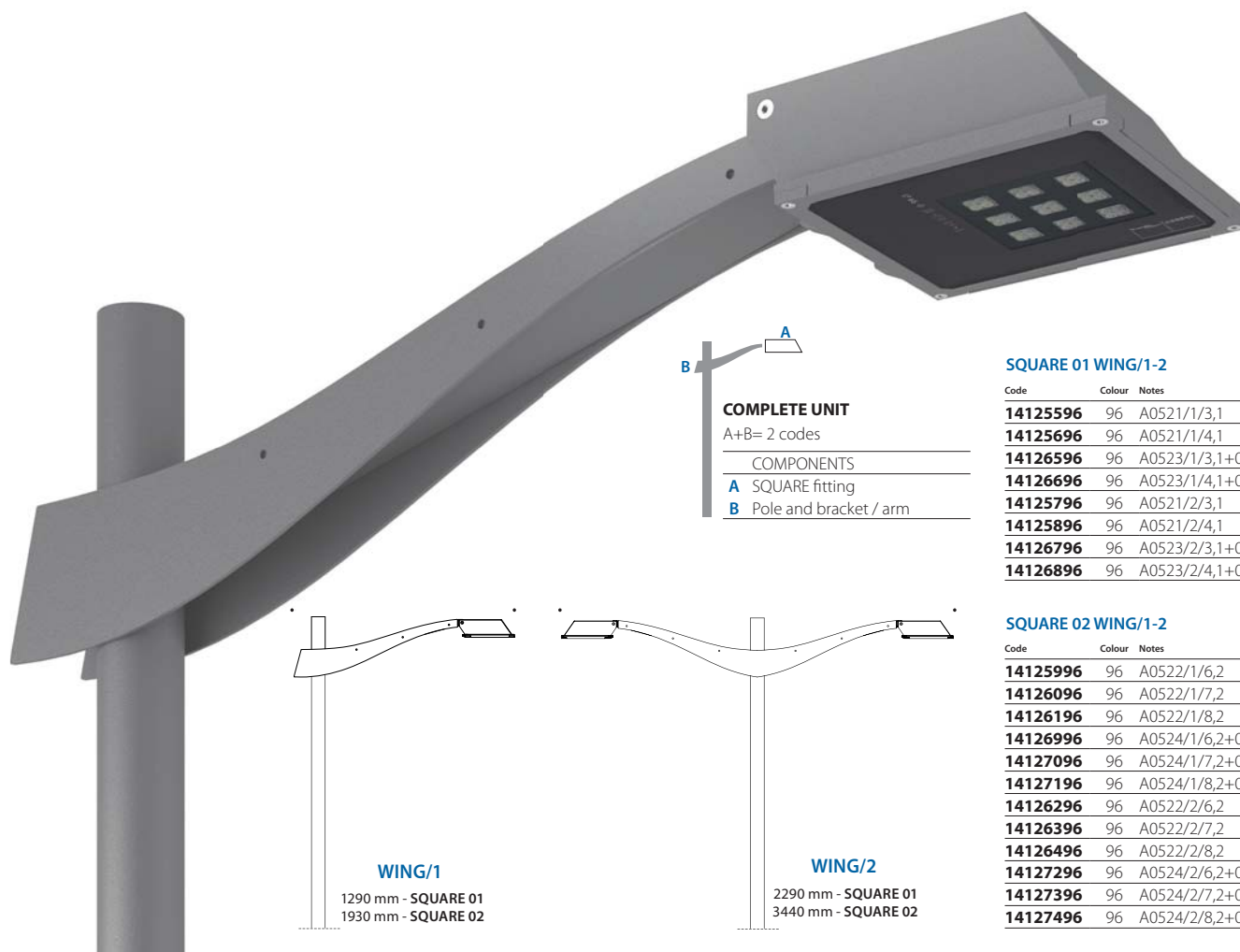
Code	Colour	Notes
14123996	96	A0518/1/6,2
14124096	96	A0518/1/7,2
14124196	96	A0518/1/8,2
14124996	96	A0520/1/6,2+0,8
14125096	96	A0520/1/7,2+0,8
14125196	96	A0520/1/8,2+0,8
14124296	96	A0518/2/6,2
14124396	96	A0518/2/7,2
14124496	96	A0518/2/8,2
14125296	96	A0520/2/6,2+0,8
14125396	96	A0520/2/7,2+0,8
14125496	96	A0520/2/8,2+0,8

SQUARE 01 BAR/1-2



SQUARE 02 BAR/1-2





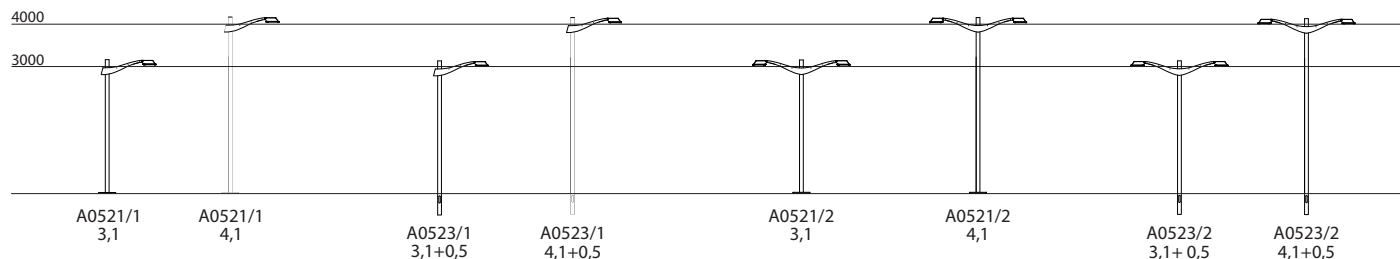
SQUARE 01 WING/1-2

Code	Colour	Notes
14125596	96	A0521/1/3,1
14125696	96	A0521/1/4,1
14126596	96	A0523/1/3,1+0,5
14126696	96	A0523/1/4,1+0,5
14125796	96	A0521/2/3,1
14125896	96	A0521/2/4,1
14126796	96	A0523/2/3,1+0,5
14126896	96	A0523/2/4,1+0,5

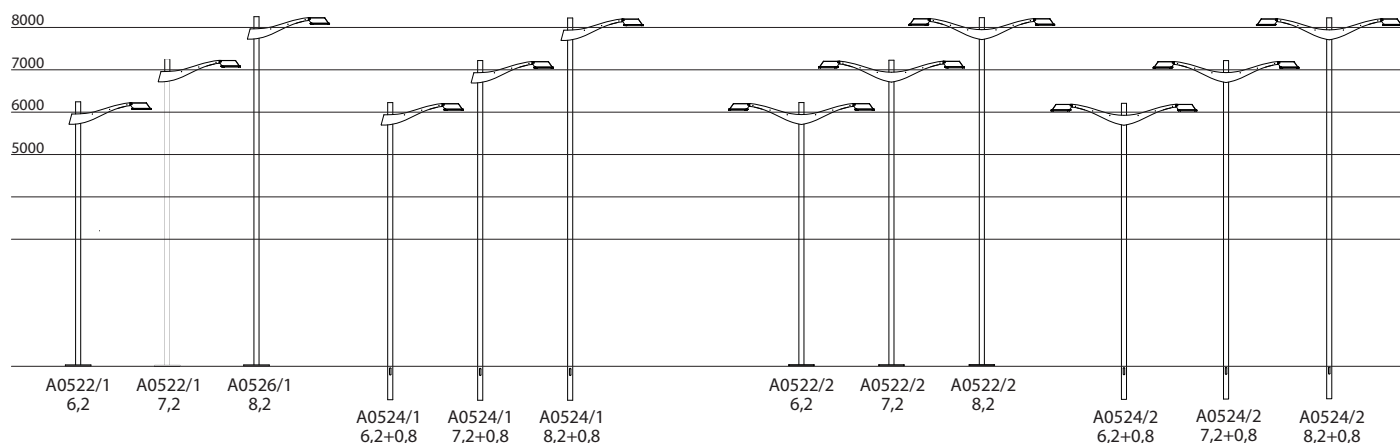
SQUARE 02 WING/1-2

Code	Colour	Notes
14125996	96	A0522/1/6,2
14126096	96	A0522/1/7,2
14126196	96	A0522/1/8,2
14126996	96	A0524/1/6,2+0,8
14127096	96	A0524/1/7,2+0,8
14127196	96	A0524/1/8,2+0,8
14126296	96	A0522/2/6,2
14126396	96	A0522/2/7,2
14126496	96	A0522/2/8,2
14127296	96	A0524/2/6,2+0,8
14127396	96	A0524/2/7,2+0,8
14127496	96	A0524/2/8,2+0,8

SQUARE 01 WING/1-2



SQUARE 02 WING/1-2



STAR PARK 150

design Silvia Paola Pennacchio



STAR PARK 150 are high performance floodlights suitable for compact fluorescent and HID lamp sources from 26W to 150W.

STAR PARK 150 floodlights are available in the following versions:

- Adjustable mounting bracket version.
- Recessed version with mounting frame.

Pole mounting with street lighting optics and for urban contemporary lighting.

A wide product range with a variety of optics, light sources and accessories, offers the designer the choice and flexibility to provide the optimum solution in the most demanding installations.

Positioning the STAR PARK 150 with glass parallel to the ground offers zero upward light pollution.

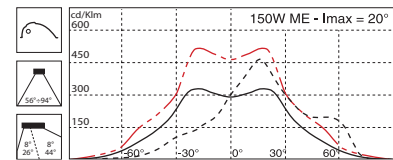
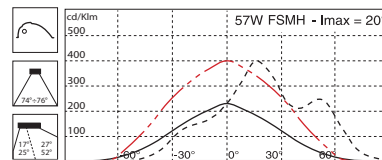
- Body in die-cast aluminium chromate pre-treated finished polyester coated.
- Reflector in high purity aluminium anodised and polished, available with following optics: asymmetrical (various degrees I_{max} 20° - 45°), circular symmetrical, circular asymmetrical (I_{max} 23° - 45°) and street lighting reflector.
- 5mm toughened "safety" glass cover mounted in a technopolymer frame which hinges down for maintenance.
- Anti-ageing dual foam silicone gasket, factory injection CNC direct to glass process.
- Galvanised sheet steel gear tray.
- Pushwire terminal block for 3x1.5 mm² max for solid and stranded cables.
- M16X1.5 anti-tearing cable gland for Ø5-10mm cables.
- Mounting bracket in steel finished polyester painted.
- Stainless steel external screws.



STAR PARK 150/A 20°

Sym. medium beam reflectors I_{max} 20°

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	70W	ME		A20	96	I	CR			• 05262496	
E27	70W	ST		A20	96	I	CR			• 05262596	
E27	70W	SE/I		A20	96	I	CR			• 05262696	△
E27	100W	ME		A20	96	I	CR			• 05262796	
E27	150W	ME		A20	96	I	CR			• 05262896	
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		A20	96	I	ETRC A2			• 05262996	E
GX24q-5	57W	FSMH		A20	96	I	ETRC A2			• 05263096	E



E Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

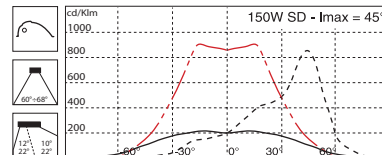
△ For lamps with integral ignitor.



STAR PARK 150/A 45°

Asym. medium beam reflectors I_{max} 45°

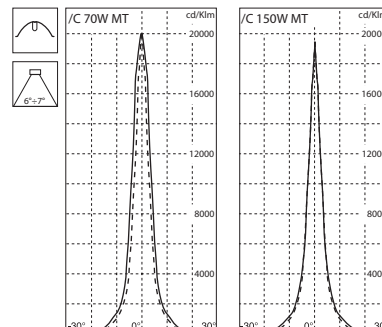
Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD		A45	96	I	CR			• 05263196	
RX7s	150W	SD-MD		A45	96	I	CR			• 05263296	



STAR PARK 150/C

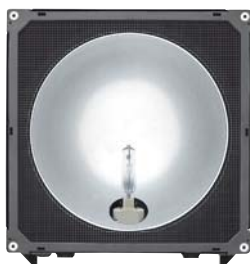
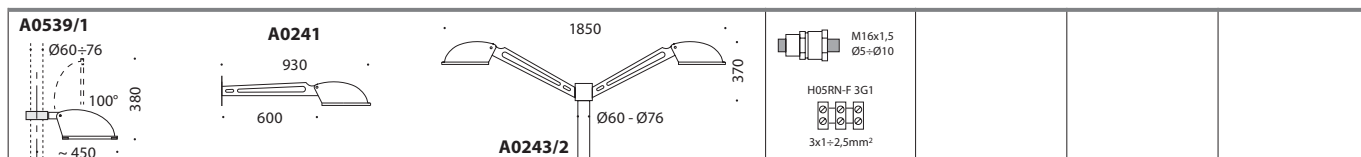
Circular narrow beam reflector

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	70W	MT		C	96	I	CR			• 05263396	
G12	150W	MT		C	96	I	CR			• 05263496	



				IK 08 7J	0,1m ²		max 6kg		
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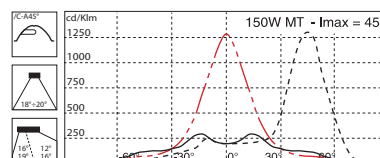
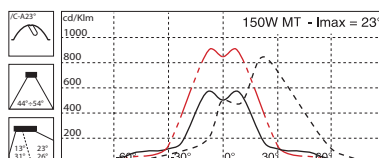
CLASS I		96	IP 66					FSMH 32-42-57W DULUX-TE PLT-4P	FSQ 26W DULUX-D-E PLC-4P	SE/I 70W NAV-E SON-Δ	ME 70W HQI-E CDO-ET	ME 100-150W HQI-E	ST 70W NAV-T SON-T	MD 70-150W HQI-TS/HQI-TS MH-TD/CDM-TD	SD 70-150W NAV-TS	MT 70-150W HQI-T/HCI-T CDM-T
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STAR PARK 150/C - A 23°-45°

Asym. circular reflector I_{max} 23°-45°

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G12	70W	MT		C A23	96	I	CR			• 05263596	
G12	150W	MT		C A23	96	I	CR			• 05263696	
G12	70W	MT		C A45	96	I	CR			• 05263796	
G12	150W	MT		C A45	96	I	CR			• 05263896	

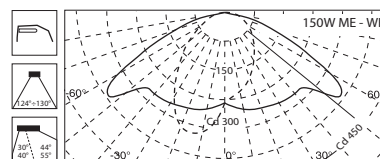
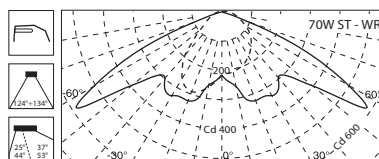


STAR PARK 150/WR floodlight complete with full cut-off street lighting reflector for a variety of road and street lighting applications. They are also suitable for general area car park lighting, roads, alleys, walls, industrial / commercial buildings and façades.



STAR PARK 150/WR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E27	70W	ME		WR	96	I	CR			• 05263996	
E27	70W	ST		WR	96	I	CR			• 05264096	
E27	70W	SE/I		WR	96	I	CR			• 05264196	
E27	100W	ME		WR	96	I	CR			• 05264296	
E27	150W	ME		WR	96	I	CR			• 05264396	
GX24q-3/4	26 - 32 - 42W	FSQ/FSMH		WR	96	I	ETRC A2			• 05264496	
GX24q-5	57W	FSMH		WR	96	I	ETRC A2			• 05264596	



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

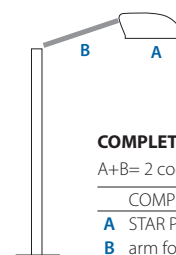
For lamps with integral ignitor.

ACCESSORIES

A wide range of contemporary mounting accessories suitable for STAR PARK 150 offering a practical and aesthetic solution for urban area lighting:

- Ø60-76mm pole top mounting (H max = 8m) in aluminium with steel outreach arms finished polyester painted. Available for single, twin, three and four STAR PARK 150 fittings (A0243-A0324).
- Ø60-76mm sliding pole clamp suitable for single mounting STAR PARK 150 fitting (A0539/1).
- Ø60-76mm sliding pole clamp suitable for twin (back to back) mounting STAR PARK 150 fittings (A0539/2).
- 600mm wall or ceiling mounting outreach arm for 5STAR1 fitting (A0241).

Code	Colour	Description
14107896	96	A0243/1
14107996	96	A0243/2-90°
14108096	96	A0243/2-180°
14108196	96	A0243/3-90°
14108296	96	A0324/3-120°
14108396	96	A0243/4
14107396	96	A0539/1
14107496	96	A0539/2
14107796	96	A0241

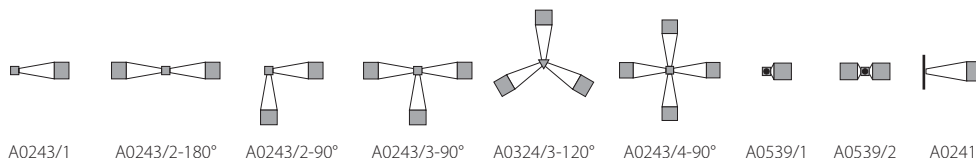


COMPLETE UNIT

A+B= 2 codes

COMPONENTS

- A STAR PARK luminaries
- B arm for post





STAR PARK 400 (250-400W) features:

- Contemporary compact design.
- Accurate photometric control.
- High Light Output Ratios.
- Zero Upward Light Pollution.
- Long life and reliability.
- Quick and easy installation / maintenance.
- Wide range of light sources and optics.
- Range of mounting options and accessories.

STAR PARK 400 are suitable for indoor and outdoor sports lighting for mid-range professional sports applications.

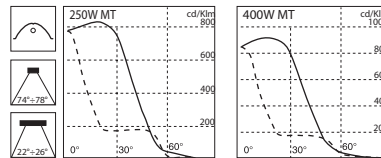
STAR PARK 400 products are manufactured from high quality corrosion resistance materials making them suitable for use in harsh ambient conditions and industrial applications. With their high performance and aesthetic design they are equally suitable for architectural detail / feature lighting, building façades and lighting in the most prestigious of applications.

- Body in die-cast aluminium chromate pre-treated finished polyester coated.
- Reflector in high purity aluminium anodised and polished, available with following optics: Symmetrical or asymmetrical (Imax 45° - 55°), circular and street lighting reflector.
- 5mm toughened "safety" glass hinges down for easy maintenance.
- Anti-ageing dual foam silicone gasket, factory injection CNC direct to glass process.
- Galvanised sheet steel gear tray, provides heat dissipation and component longevity.
- Cover fixing clips in anodized aluminium with AISI 302 stainless steel spring.
- Mounting bracket in steel finished, with graduated goniometer positioning for precise orientation and locking device.
- M20X1.5 anti-tearing cable gland for Ø10-14mm cables.
- Stainless steel external screws.



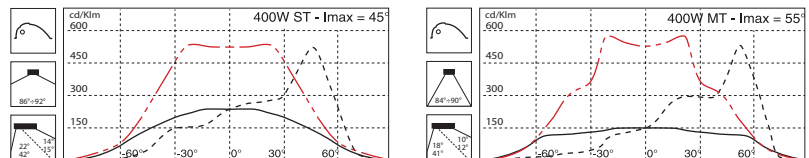
STAR PARK 400/S Symmetrical medium beam reflectors

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	250W	MT*		S	96	I	CR			• 05266096	*For Lamp HPI-T Plus
E40	250W	ST-MT		S	96	I	CR			• 05266196	
E40	400W	MT*		S	96	I	CR			• 05266296	*For Lamp HPI-T Plus
E40	400W	ST-MT		S	96	I	CR			• 05266396	



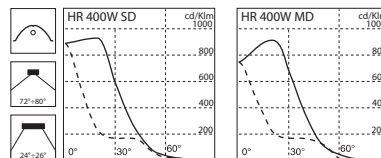
STAR PARK 400/A 45°-55° Asymmetrical medium beam reflectors

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	250W	MT*		A45	96	I	CR			• 05266496	*For Lamp HPI-T Plus
E40	250W	ST-MT		A45	96	I	CR			• 05266596	
E40	400W	MT*		A45	96	I	CR			• 05266696	*For Lamp HPI-T Plus
E40	400W	ST-MT		A45	96	I	CR			• 05266796	
E40	250W	MT*		A55	96	I	CR			• 05266896	*For Lamp HPI-T Plus
E40	250W	ST-MT		A55	96	I	CR			• 05266996	
E40	400W	MT*		A55	96	I	CR			• 05267096	*For Lamp HPI-T Plus
E40	400W	ST-MT		A55	96	I	CR			• 05267196	



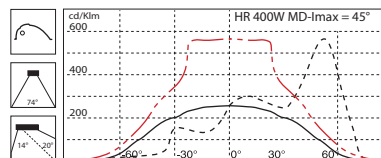
STAR PARK 400/S Fc2 Symmetrical medium beam reflectors

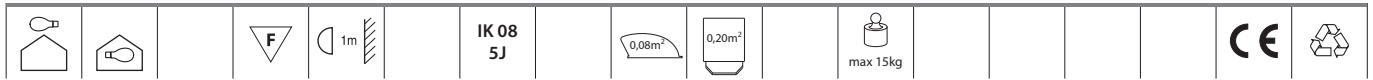
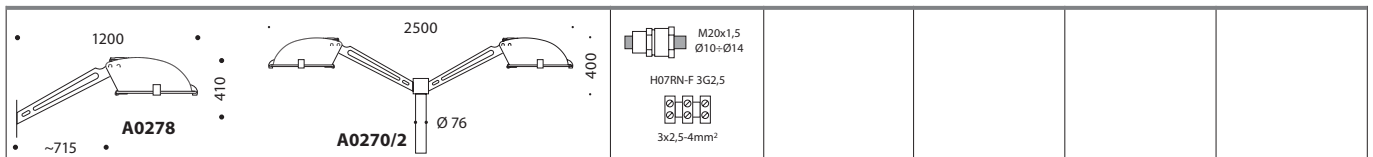
Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
Fc2	250W	SD		S	96	I	CR			• 05267296	
Fc2	250W	MD		S	96	I	CR			• 05267396	
Fc2	400W	SD-MD		S	96	I	CR			• 05267496	



STAR PARK 400/A 45° Fc2 Asymmetrical medium beam reflectors

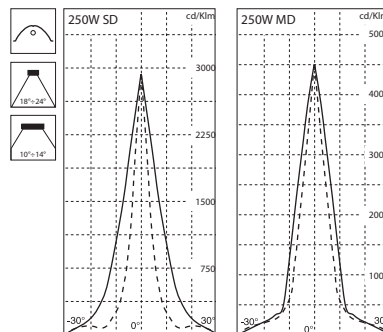
Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
Fc2	250W	SD		A45	96	I	CR			• 05267596	
Fc2	250W	MD		A45	96	I	CR			• 05267696	
Fc2	400W	SD-MD		A45	96	I	CR			• 05267796	



[illegible]

STAR PARK 400/C *Réflecteur circ. / faisceau intensif*

Lampholder	W	Ilcos	'K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
Fc2	250W	MD		C	96	I	CR		•	05267896	
Fc2	250W	SD		C	96	I	CR		•	05267996	
Fc2	400W	SD-MD		C	96	I	CR		•	05268096	

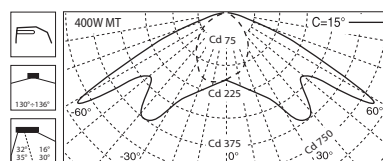


STAR PARK 150/WR floodlight complete with full cut-off street lighting reflector for a variety of road and street lighting applications. They are also suitable for general area car park lighting, roads, alleys, walls, industrial / commercial buildings and façades.



STAR PARK 400/WR

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
E40	250W	MT*		WR	96	I	CR		•	05268196	! *For Lamp HPI-T Plus
E40	250W	ST-MT		WR	96	I	CR		•	05268296	
E40	400W	MT*		WR	96	I	CR		•	05268396	! *For Lamp HPI-T Plus
E40	400W	ST-MT		WR	96	I	CR		•	05268496	



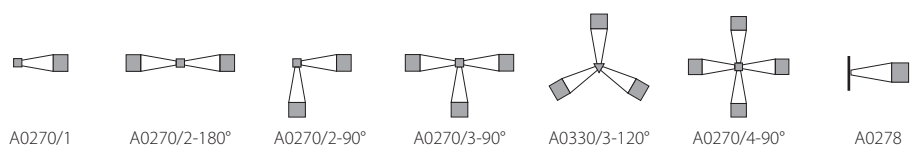
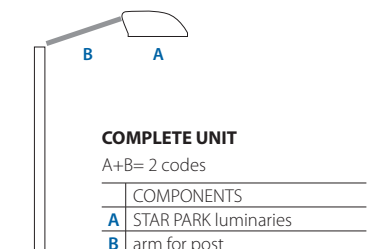
! HPI-T Plus - Orientation : horizontal $\pm 20^\circ$.

ACCESSORIES

A wide range of contemporary mounting accessories suitable for STAR PARK 400 offering a practical and aesthetic solution for urban area lighting:

- Ø76mm pole top mounting in aluminium with steel outreach arms finished polyester painted. Available for single, twin, three and four STAR PARK 400 fittings (A0270-A0330).
- Wall or ceiling mounting outreach arm for 5STARS2 fitting (A0278).

Code	Colour	Description
14109796	96	A0270/1
14109896	96	A0270/2-90°
14109996	96	A0270/2-180°
14110096	96	A0270/3
14110196	96	A0330/3-120°
14110296	96	A0270/4
14109696	96	A0278





KYRO high performance public area lighting fittings available in two sizes; KYRO 1 and KYRO 2, combining contemporary aesthetics with a highly functional performance to suit a variety of public area lighting applications.

- Light quality: high uniformity distribution and high performance with visual comfort, full cut-off for zero upward light pollution.
- Efficiency: high performance optics provides efficient luminaire spacing with the added benefit of reduction in installation and maintenance costs.
- Harmonised installation
- Flexibility
- Easy fast installation and maintenance.
- Longevity.

- Body and cover in die-cast aluminium finished classified IP65 rating.
- High purity aluminium reflector anodised and polished.
- Toughened safety glass (KYRO 1: IK 09/10J, KYRO 2: IK 08/7J).
- Silicone rubber anti-ageing gaskets.
- Supply: 230V/50Hz cosφ ≥ 0.9, other voltages available on request.
- Polyamide M25 cable gland for Ø9-14mm cables.
- Rubber sealing gaskets to suit various cable sizes are available as a kit of accessories.
- A2 stainless steel external screws.

Special versions; voltage / frequency, fuses, timed ignitor, photocell, light flux regulation control system etc. available on request.



Ø42 - Ø60

KYRO 1 - LED 3000°K/4200°K/6000°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
n.30 led	33W		6000°	96	II	ETRC			•	06027996	•
n.30 led	48W		6000°	96	II	ETRC			•	06028096	•
n.30 led	33W		4200°	96	II	ETRC			•	06040096	•
n.30 led	48W		4200°	96	II	ETRC			•	06040196	•
n.30 led	33W		3000°	96	II	ETRC			•	06035196	•
n.30 led	48W		3000°	96	II	ETRC			•	06035296	•

KYRO 1 D76 - LED 3000°K/4200°K/6000°K

n.30 led	33W		6000°	96	II	ETRC			•	06028196	•
n.30 led	48W		6000°	96	II	ETRC			•	06028296	•
n.30 led	33W		4200°	96	II	ETRC			•	06040296	•
n.30 led	48W		4200°	96	II	ETRC			•	06040396	•
n.30 led	33W		3000°	96	II	ETRC			•	06035396	•
n.30 led	48W		3000°	96	II	ETRC			•	06035496	•

• Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

• Fittings supplied complete with lamp.

POWER REDUCTION BY PILOT CONTROL

The fittings are equipped with power reducer and switching device, controlled by a supplemental control line (pilot control).

AUTOMATIC POWER REDUCTION

The fitting is equipped with a bi-powered ballast and an automatic converter which permits the automatic change-over in order to reduce the luminous flux without using control cables.



Ø42 - Ø60



Ø76

KYRO 1/A

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
RX7s	70W	SD-MD	A 54	96	II	CR			•	05236396	•
RX7s	150W	SD-MD	A 54	96	II	CR			•	05236496	•
RX7s	70W	MD	A 54	96	II	ETRC			•	05319196	•
RX7s	70W	SD	A 54	96	II	ETRC			•	05319396	•

KYRO 1/A Power reduction by pilot control

RX7s	70/50W	SD	A 54	96	II	CR			•	05319496	
RX7s	150/100W	SD	A 54	96	II	CR			•	05319596	

KYRO 1/A Automatic power reduction

RX7s	70/50W	SD	A 54	96	II	CR			•	05319696	
RX7s	150/100W	SD	A 54	96	II	CR			•	05319796	

KYRO 1-D76 /A

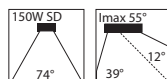
RX7s	70W	SD-MD	A 54	96	II	CR			•	05307796	•
RX7s	150W	SD-MD	A 54	96	II	CR			•	05307896	•
RX7s	70W	MD	A 54	96	II	ETRC			•	05321096	•
RX7s	70W	SD	A 54	96	II	ETRC			•	05321196	•

KYRO 1-D76 /A Power reduction by pilot control

RX7s	70/50W	SD	A 54	96	II	CR			•	05321296	
RX7s	150/100W	SD	A 54	96	II	CR			•	05321396	

KYRO 1-D76 /A Automatic power reduction

RX7s	70/50W	SD	A 54	96	II	CR			•	05321496	
RX7s	150/100W	SD	A 54	96	II	CR			•	05321596	



• Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

			IK 09 10J					Depending on the Models											
CLASS II		96	IP 66		Kyro 1 Max 48W	ST 50÷70W NAV-T SON-T	ST 100÷150W NAV-T SON-T	MT 100÷150W CDO-TT HCI-TT	SE/I 70W NAV-E-I 	ME 70÷150W HQ-E CDO-ET	MT 45÷140W CPO-TW	FSMH 32-42-57W DULUX T-E PLT-4Pin	FSQ 26W DULUX D-E PLC-4Pin	Kyro1/A SD 70÷150W NAV-TS	Kyro1 D76 MD 70÷150W HQ-TS/HCI-TS MH-TD/CDM-TS				
 690 275					 Ø42- Ø60÷62- Ø76					 M25x1,5 Ø9÷14 H05RN-F 2G1,5 2x2,5mm²					 Max 30° Min 0°				



KYRO 1

Lampholder	W	lcos	*K	Optic	Colour	Class	Wiring	EEL =	Coop ≥ 0,9	Code	Notes	
E27	50W	ST		SR	96	II	CR			• 05214496	•	
E27	70W	ST		SR	96	II	CR			• 05214596	•	
E40	100W	ST-MT		SR	96	II	CR			• 05214696	•	
E40	150W	ST-MT		SR	96	II	CR			• 05214796	•	
E27	70W	SE/I		SR	96	II	CR			• 05216196		
E27	70W	ME		SR	96	II	CR			• 05214896	•	
E27	100W	ME		SR	96	II	CR			• 05214996	•	
E27	150W	ME		SR	96	II	CR			• 05215096	•	
E27	70W	ST-MT		SR	96	II	ETRC			• 05318396		
E40	100W	ST-MT		SR	96	II	ETRC			• 05318496		
E27	70W	ME		SR	96	II	ETRC			• 05318596		
E27	100W	ME		SR	96	II	ETRC			• 05318696		
PGZ12	45W	MT		SR	96	II	ETRC			• 05318196	•	
PGZ12	60W	MT		SR	96	II	ETRC			• 05215396		
PGZ12	90W	MT		SR	96	II	ETRC			• 05318296		
PGZ12	140W	MT		SR	96	II	ETRC			• 05215496	•	
GX24q-3	26 - 32 - 42W	FSQ - FSMH		SR	96	II	ETRC	A2		• 05215196		
GX24q-5	57W	FSM		SR	96	II	ETRC	A2		• 05215296		

KYRO 1 Power reduction by pilot control

E27	70/50W	ST		SR	96	II	CR			• 05318796		
E40	100/70W	ST		SR	96	II	CR			• 05318896		
E40	150/100W	ST		SR	96	II	CR			• 05295796		

KYRO 1 Automatic power reduction

E27	70/50W	ST		SR	96	II	CR			• 05318996		
E40	100/70W	ST		SR	96	II	CR			• 05319096		
E40	150/100W	ST		SR	96	II	CR			• 05295696		

KYRO 1-D76

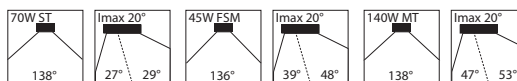
E27	50W	ST		SR	96	II	CR			• 05306596	•	
E27	70W	ST		SR	96	II	CR			• 05306696	•	
E40	100W	ST-MT		SR	96	II	CR			• 05306796	•	
E40	150W	ST-MT		SR	96	II	CR			• 05306896	•	
E27	70W	SE/I		SR	96	II	CR			• 05306996		
E27	70W	ME		SR	96	II	CR			• 05307096	•	
E27	100W	ME		SR	96	II	CR			• 05307196	•	
E27	150W	ME		SR	96	II	CR			• 05307296	•	
E27	70W	ST-MT		SR	96	II	ETRC			• 05320096		
E40	100W	ST-MT		SR	96	II	ETRC			• 05320196		
E27	70W	ME		SR	96	II	ETRC			• 05320296		
E27	100W	ME		SR	96	II	ETRC			• 05320396		
PGZ12	45W	MT		SR	96	II	ETRC			• 05319896	•	
PGZ12	60W	MT		SR	96	II	ETRC			• 05307596		
PGZ12	90W	MT		SR	96	II	ETRC			• 05319996	•	
PGZ12	140W	MT		SR	96	II	ETRC			• 05307696	•	
GX24q-3	26 - 32 - 42W	FSQ - FSMH		SR	96	II	ETRC	A2		• 05307396		
GX24q-5	57W	FSM		SR	96	II	ETRC	A2		• 05307496		

KYRO 1-D76 Power reduction by pilot control

E27	70/50W	ST		SR	96	II	CR			• 05320496		
E40	100/70W	ST		SR	96	II	CR			• 05320596		
E40	150/100W	ST		SR	96	II	CR			• 05320696		

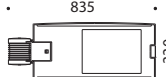
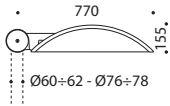
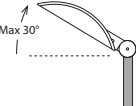
KYRO 1-D76 Automatic power reduction

E27	70/50W	ST		SR	96	II	CR			• 05320796		
E40	100/70W	ST		SR	96	II	CR			• 05320896		
E40	150/100W	ST		SR	96	II	CR			• 05320996		



Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

For lamps with integral ignitor.

	 0,5m	IK 08 7J		 0,240m ²  0,095m ²		 max 12,8kg	 03 Depending on the Models							
CLASS II		96	IP 66		Kyro 2 Led  Max 90W	MT  100÷150W CDO-TT HCI-TT	MT  210W CDM-MW	ST  max 400W NAV-T/SON-T	MT  max 400W HQI-T/D HQI-B7/D	Kyro 2/A SD  max 150W NAV-TS	MD  max 150W HQI-TS/HCI-TS MH-TD/CDM-TD	SD  250-400W NAV-TS	MD  max 250W HQI-TS MH-TD	MD  max 400W HQI-TS
				 M25x1,5 Ø9÷14 H05RN-F 2G1,5 2x2,5mm ²		 Max 30° Min 0°		 Min 0°						



KYRO 2 - LED 3000°K/4200°K/6000°K

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEL ±	Cosp ≥ 0,9	Code	Notes
n.56 led	61,6W		6000°		96	II	ETRC		•	06028996	 
n.56 led	89,6W		6000°		96	II	ETRC		•	06029096	 
n.56 led	61,6W		4200°		96	II	ETRC		•	06040496	 
n.56 led	89,6W		4200°		96	II	ETRC		•	06040596	 
n.56 led	61,6W		3000°		96	II	ETRC		•	06035596	 
n.56 led	89,6W		3000°		96	II	ETRC		•	06035696	 

 Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

💡 Fittings supplied complete with lamp.



POWER REDUCTION BY PILOT CONTROL

The fittings are equipped with power reducer and switching device, controlled by a supplemental control line (pilot control).

AUTOMATIC POWER REDUCTION

The fitting is equipped with a bi-powered ballast and an automatic converter which permits the automatic change-over in order to reduce the luminous flux without using control cables.



KYRO 2

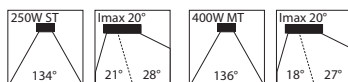
Lampholder	W	lcos	°K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
E40	150W	ST-MT		SR	96	II	CR			• 05213996	
E40	250W	ST-MT		SR	96	II	CR			• 05214096	
E40	400W	ST-MT		SR	96	II	CR			• 05214196	
E40	150W	ST		SR	96	II	ETRC			• 05321696	ETRC
E40	150W	MT		SR	96	II	ETRC			• 05321796	ETRC
E40	250W	ST		SR	96	II	ETRC			• 05321896	ETRC
E40	250W	MT		SR	96	II	ETRC			• 05321996	ETRC
PGZ18	210W	MT		SR	96	II	ETRC			• 05322096	ETRC

KYRO 2 Power reduction by pilot control

E40	150/100W	ST		SR	96	II	CR			• 05322896	
E40	250/150W	ST		SR	96	II	CR			• 05322996	

KYRO 2 Automatic power reduction

E40	150/100W	ST		SR	96	II	CR			• 05323096	
E40	250/150W	ST		SR	96	II	CR			• 05323196	



ETRC Complete with electronic ballast non dimmable 220÷240V 50/60Hz.



KYRO 2/A

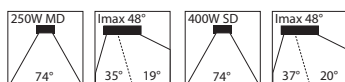
RX7s	150W	SD		A 52	96	II	CR			• 05237496	
Fc2	250W	MD		A 52	96	II	CR			• 05237596	
Fc2	250W	SD		A 52	96	II	CR			• 05237696	
Fc2	400W	SD-MD		A 52	96	II	CR			• 05237796	
RX7s	150W	SD		A 52	96	II	ETRC			• 05323296	ETRC
RX7s	150W	MD		A 52	96	II	ETRC			• 05323396	ETRC
Fc2	250W	SD		A 52	96	II	ETRC			• 05323496	ETRC
Fc2	250W	MD		A 52	96	II	ETRC			• 05323596	ETRC

KYRO 2/A Power reduction by pilot control

RX7s	150/100W	SD		A 52	96	II	CR			• 05323696	
Fc2	250/150W	SD		A 52	96	II	CR			• 05323796	

KYRO 2/A Automatic power reduction

RX7s	150/100W	SD		A 52	96	II	CR			• 05323896	
Fc2	250/150W	SD		A 52	96	II	CR			• 05323996	



ETRC Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

ACCESSORIES

KYRO 1 -2



Code	Denomination	Description
14025220	A0247 / 70W	Supplement for factory fitted timed ignitor for ST and SD lamps , to be ordered as a separate item along with fitting, according to specific lamp version.
14015020	A0219 / 100+250W	
14078520	A0403 / 400W	
14077820	A0400	Kit of 10 rubber sealing gaskets for up to 2 no. Ø8mm cables
14077920	A0401	Kit of 10 rubber sealing gasket for 1 no. flat cable 19x5.8mm.
14078120	A0402 / 2A 50-70-100W	Supplement for factory fitted fuse holder + ceramic fuse 10x38mm, to be ordered as a separate item along with fitting, according to specific lamp version.
14078220	A0402 / 4A 150W	
14078320	A0402 / 6A 250W	
14078420	A0402 / 10A 400W	
14078620	A0404	Supplement for factory fitted photocell (250W max. non-adjustable), to be ordered as a separate item along with fitting.
14140920	A0574/35-400W	Supplement for factory fitted timed ignitor for MT, ME and MD lamps , to be ordered as a separate item along with fitting, according to specific lamp version.

KYRO LED 1 - 2



Code	Denomination	Description
14077820	A0400	Kit of 10 rubber sealing gaskets for up to 2 no. Ø8mm cables
14077920	A0401	Kit of 10 rubber sealing gasket for 1 no. flat cable 19x5.8mm.
14078620	A0404	Supplement for factory fitted photocell (250W max. non-adjustable), to be ordered as a separate item along with fitting.

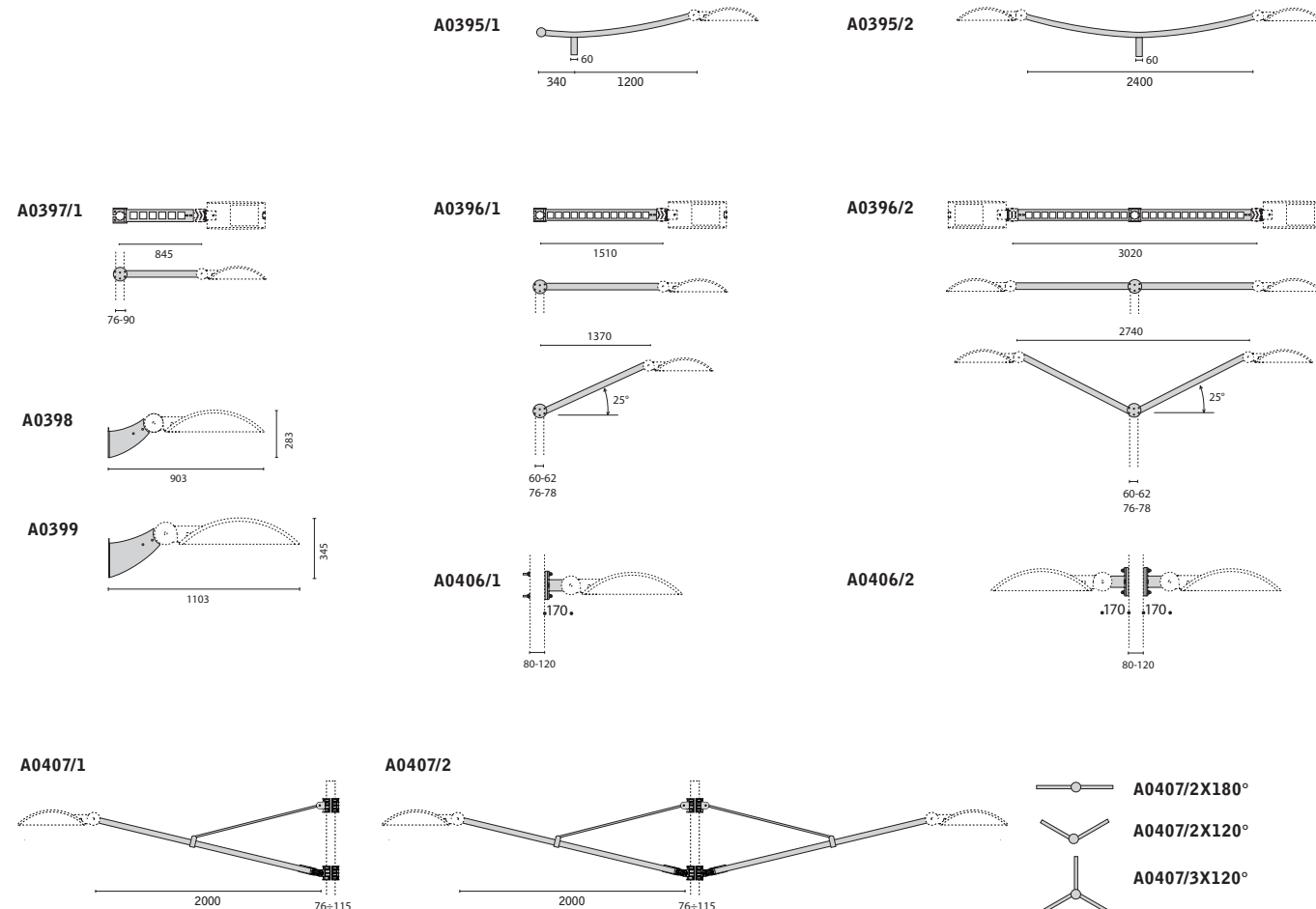


MOUNTING ACCESSORIES

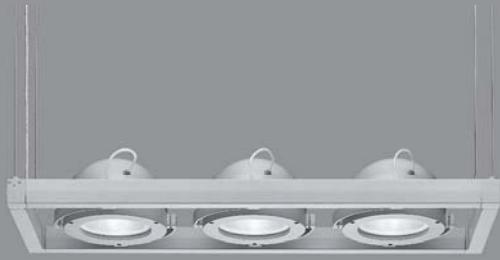
KYRO fittings are designed to take standard pole and side entry mounting or can be supplied complete with a variety of arms and wall mounting accessories finished. Other colour options available on request.

Mounting arm options:

- Functional: Outreach arms available up to 2 meters
- Design: Mounting arms offering both function and design in harmony with the fitting.



Code	Denomination	Colour	Description
14077102	A0395/1		Single 1200mm or twin (back to back) 2x1200mm extension arms, hot dipped galvanised steel, suitable for installation on Ø60mm pole top.
14077202	A0395/2		Twin (back to back) 2x1200mm extension arms, hot dipped galvanised steel finished, suitable for installation on Ø60mm pole top.
14088396	A0395/1	96	Single 1200mm or twin (back to back) 2x1200mm extension arms, hot dipped galvanised steel finished, suitable for installation on Ø60mm pole top.
14088496	A0395/2	96	Twin (back to back) 2x1200mm extension arms, hot dipped galvanised steel finished, suitable for installation on Ø60mm pole top.
14077396	A0396/1	96	Single 1500mm or twin (back to back) 2x1500mm extension arms, phospho-chromate and cataphoresis pre-treated steel finished polyester painted. Aluminium pole top mounting joint suitable for Ø60 poles (with sleeve) or Ø76mm poles, available in horizontal or 25° inclined position.
14077496	A0396/2	96	Twin (back to back) 2x1500mm extension arms, phospho-chromate and cataphoresis pre-treated steel finished polyester painted. Aluminium pole top mounting joint suitable for Ø60 poles (with sleeve) or Ø76mm poles, available in horizontal or 25° inclined position.
14082096	A0397/1	96	850mm steel extension arm finished complete with adjustable sliding aluminium pole clamp for Ø76-90mm poles.
14138196	A0407/1		2000mm extension arms in hot dipped galvanised tubular steel with aluminium joints finished available as single mounting options on Ø76÷115mm poles.
14138296	A0407/2x180°		2000mm extension arms in hot dipped galvanised tubular steel with aluminium joints finished available as twin 180° and 120° (back to back) mounting options on Ø76÷115mm poles.
14138396	A0407/3x120°		2000mm extension arms in hot dipped galvanised tubular steel with aluminium joints finished available as three 120° mounting options on Ø76÷115mm poles.
14077596	A0398 (Kyro 1)	96	Wall mounting bracket L=310mm (Kyro1) and L=370mm (Kyro2), in phospho-chromate and cataphoresis pre-treated steel finished polyester painted.
14077696	A0399 (Kyro 2)	96	Wall mounting bracket L=310mm (Kyro1) and L=370mm (Kyro2), in phospho-chromate and cataphoresis pre-treated steel finished polyester painted.
14081902	A0406 / 1		Hot dipped galvanised steel brackets suitable for installing single or twin fittings (back to Back) on Ø80-120mm poles. Complete with fixing rods and nuts, requires poles to be drilled.
14084202	A0406 / 2		Hot dipped galvanised steel brackets suitable for installing single or twin fittings (back to Back) on Ø80-120mm poles. Complete with fixing rods and nuts, requires poles to be drilled.
14088696	A0406 / 1	96	Hot dipped galvanised steel finished matt grey brackets suitable for installing single or twin fittings (back to Back) on Ø80-120mm poles. Complete with fixing rods and M8 nuts, requires poles to be drilled.
14088796	A0406 / 2	96	Hot dipped galvanised steel finished matt grey brackets suitable for installing single or twin fittings (back to Back) on Ø80-120mm poles. Complete with fixing rods and M8 nuts, requires poles to be drilled.



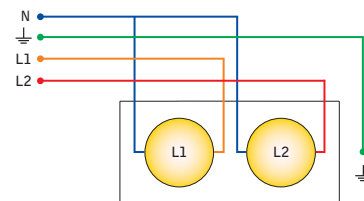
A range of suspended luminaires suitable for indoor and outdoor application with aluminium frame containing two, three or four fittings. Designed for use with high power compact fluorescent energy saving and metal halide HID lamps. The frame is suspended by steel cables with quick adjustment clamping system, up to maximum 4M length. The high power and efficiency of the Skylum range makes them particularly suitable for high ceiling height application; shopping centres, airport terminals, show rooms and large open plan areas.

- Suspended luminaire.
- Body and cover ring in die-cast aluminium painted finish.
- Clear toughened safety glass with silk screening.
- Anti-ageing silicone gaskets.
- Anodised aluminium reflectors.
- Adjustable fixing manufactured from die-cast aluminium painted finish.
- Extruded aluminium housing frame.
- The frame is suspended by 4 x Ø2.5mm steel cables 2M length with quick adjustment clamping system.
- Available with two fittings; Skylum 2, three fittings; Skylum 3 or four fittings; Skylum 4.
- Please contact our technical department for other options.
- Patented barometric compensation system.



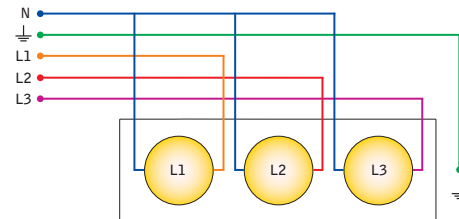
SKYLUM 2

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI = Cosφ ≥ 0,9	Code	Notes
G12	2X70W	MT		C	97	I	CR		05324897	
GX24d-3	2X26W	FSM		C	97	I	CR	B2	05324597	



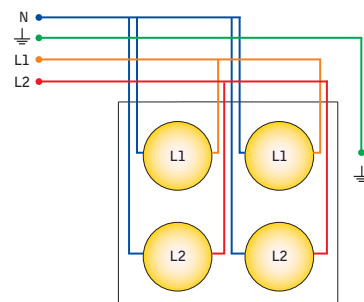
SKYLUM 3

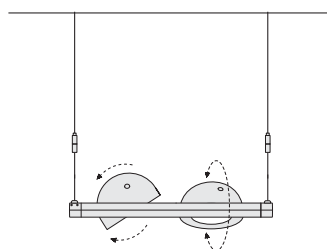
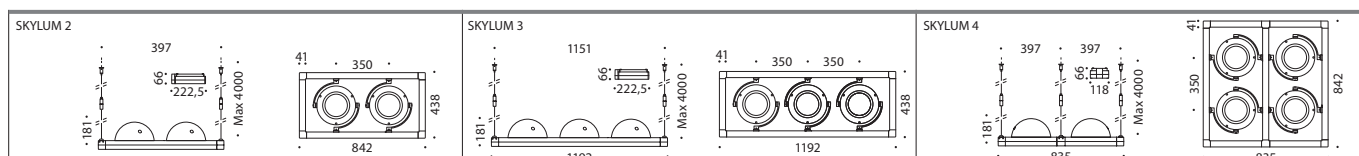
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI = Cosφ ≥ 0,9	Code	Notes
G12	3X70W	MT		C	97	I	CR		05324997	
GX24d-3	3X26W	FSM		C	97	I	CR	B2	05324697	



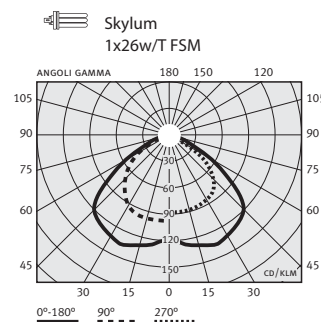
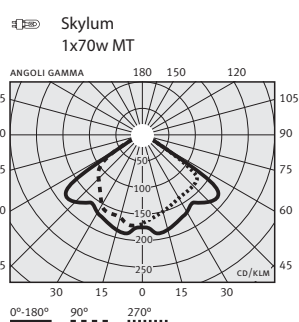
SKYLUM 4

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI = Cosφ ≥ 0,9	Code	Notes
G12	4X70W	MT		C	97	I	CR		05325097	
GX24d-3	4X26W	FSM		C	97	I	CR	B2	05324797	





The curves refer to the emission of a single luminaire: for a complete figure, consider two emissions for Skylum 2, three for Skylum 3 and four for Skylum 4.





The Esperia /RM floodlights are especially developed for the illumination of road and highway tunnels. They are suitable for discharge lamps max. 600W and distinguish by appropriate remote control gear boxes to be ordered in addition to the fitting.

The Esperia /RM floodlights dispose about a complete range of reflectors. They are available in two versions:

ESPERIA 01/RM – for discharge lamps max. 250W for the illumination of permanent tracts
ESPERIA 03/RM - for discharge lamps up to 600W, with the following reflectors

- symmetric wide beam (S)
- symmetric extra-wide beam (SSD)
- asymmetric 45° (°45)
- asymmetric 60° (A60) for a reinforcing counter beam illumination in tunnels with one-way traffic.

Esperia /RM (fitting + box) ready for a direct fixing on the conduits by appropriate fastenings. Those permit to anchor the floodlights to the conduits rapidly and without the need of tools.

- Body manufactured from deep drawn AISI 316/L stainless steel.
- High performance reflectors in high purity aluminium pre-anodised and polished.
- 5mm clear toughened safety glass, secured by stainless steel fixing clips.
- Anti-ageing high temperature silicone gasket.
- Lampholder; fast release bayonet enclosure manufactured from reinforced self-extinguishing UL94-V0/850° technopolymer, phosphors and halogen free.
- Lampholder / control gear assembly comprises control gear box with 1M FG7-OM1 2 x 2.5 mm² cable to lampholder with corresponding socket fixed to body. A single piece (no joints) anti-ageing silicone gasket ensures a maintained IP66 rating.
- Stainless steel external fixings.
- Control gear boxes available in two options:
A0543 - IP66, CLASS II, self-extinguishing UL94-V0/850° technopolymer c/w isolating terminal connector, disconnects supply for safety.
A0467 - IP65, CLASS II, self-extinguishing technopolymer.
- A comprehensive range of cable tray mounting accessories are offered to provide a fast and simple installation.



ESPERIA 01/RM SR

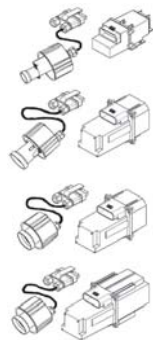
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
	Max 250W	ST		SR	04	II				01044404	

ESPERIA 03/RM A

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
	Max 600W	ST		A60°	04	II				01044304	
	Max 600W	ST		A45°	04	II				01045404	

ESPERIA 03/RM S

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
	Max 600W	ST		S	04	II				01045604	
	Max 600W	ST		SSD	04	II				01045804	



V0-UL94-850°C technopolymer box for use with RM fittings.

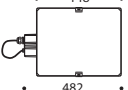
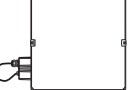
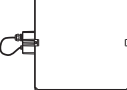
Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
BOX IP 66 A0543/70											
E27	70W	ST				II	CR			14134020	
BOX IP 66 A0543/100 - 150											
E40	100W	ST				II	CR			14134120	
E40	150W	ST				II	CR			14134220	
BOX IP 66 A0543/252 - 402											
E40	250W	ST				II	CR			14134320	
E40	400W	ST				II	CR			14134420	NOT FOR ESPERIA 01/RM-SR
BOX IP 66 A0543/600											
E40	600W	ST				II	CR			14134520	NOT FOR ESPERIA 01/RM-SR

Made in self-extinguishing polymer

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
BOX IP 65 A0467/70											
E27	70W	ST				II	CR			14096320	
BOX IP 65 A0467/100 - 150											
E40	100W	ST				II	CR			14096420	
E40	150W	ST				II	CR			14096520	
BOX IP 65 A0467/252 - 402											
E40	250W	ST				II	CR			14096620	
E40	400W	ST				II	CR			14096720	NOT FOR ESPERIA 01/RM-SR
BOX IP 65 A0467/600											
E40	600W	ST				II	CR			14096820	NOT FOR ESPERIA 01/RM-SR

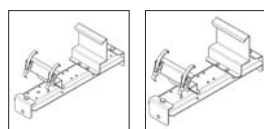


				ESPERIA 01 IK 8 6J max 3,9kg 	ESPERIA 03 IK 9 12J max 6,1kg 			
CLASS II		04	IP 66					ST Max 600W

ESPERIA 01 RM SR  448 482 170 314	ESPERIA 03 RM A  448 540 188 448	ESPERIA 03 RM S  448 540 188 448	BOX IP66 A0543 Ø10÷Ø14	BOX IP65 A0467 PG 13,5 Ø10÷Ø14
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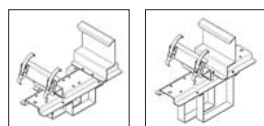
ACCESSORIES

Code	Denomination	Description
14135820	A0552/H07-RNF	Alternative cable for outdoor installation use instead of the standard FG7-OM1 cable.
14135920	A0553	Supplement for additional IP67 cable + socket for control gear box.
14136120	A0554	Supplement for additional IP67 cable + socket for control gear box in outdoor installations.



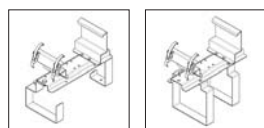
Code	Denomination	Description
14097104	A0468/316	For Esperia 03 RM
14097304	A0469/316	For Esperia 01 RM

AISI 316L stainless steel fast fixing system suitable for installation on fittings on Femi CZ3 100-200-300x75mm cable tray.
Other options available on request.



Code	Denomination	Description
14134904	A0545/316	For Box A0543/70 - A0543/100 - A0543/150
14135104	A0546/316	For Box A0543/252 - A0543/402 - A0543/600
14097504	A0470/316	For Box A0467/70 - A0467/100 - A0467/150 - A0467/252 - A0467/402
14134704	A0544/316	For Box A0467/600

AISI 316L stainless steel fast fixing system suitable for suspended installation of Box on Femi CZ3 100-200-300x75mm cable tray.
Other options available on request.



ESPERIA 02/BI

FITTINGS C/W INTEGRAL CONTROL GEAR.

The Esperia /BI floodlights are developed especially for the illumination of road tunnels and underpasses. The control gear unit is incorporated and therefore to prefer in cases where the illuminating body and the control gear unit have to be a single part.

Floodlights in CLASS II, manufactured in stainless steel AISI 316/L with a compact body height of 140mm, especially designed for installations with limited height. Suitable for discharge lamps up to 250W.

The Esperia /BI floodlights dispose about a complete range of reflectors:

- symmetric (S)
- symmetric extra-wide beam (SSD)
- asymmetric with lmax 40° (A40) and 60° (A55)
- street lighting (SR)

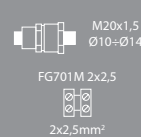
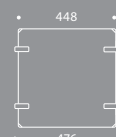
As well Esperia /BI can be fixed directly to the conduits by means of appropriate quick fastenings. Those allow a quick anchorage of the floodlights to the conduits without the need of tools. Available conduit fastenings in stainless steel to use only for conduit type FEMI CZ3 - 75mm height and 100mm, 200mm and 300mm width.

Fastenings for other conduit types are available on request.

- Body manufactured from deep drawn AISI 316/L stainless steel.
- High performance reflectors in high purity aluminium pre-anodised and polished.
- 5mm clear toughened safety glass, secured by AISI 316 stainless steel fixing clips and hinges.
- Anti-ageing silicone gasket ensures a maintained IP66 rating.
- Automatic isolating switch, disconnects supply on opening of cover glass for safety during maintenance.
- Removable control gear tray.
- Stainless steel external fixings.
- A comprehensive range of cable tray mounting accessories are offered to provide a fast and simple installation.



IP 65



ESPERIA 02/BI-S

E40	100W	ST	S	04	II	CRF	• 05333104
E40	150W	ST	S	04	II	CRF	• 05333204
E40	250W	ST	S	04	II	CRF	• 05333304

ESPERIA 02/BI-SSD

E40	100W	ST	SSD	04	II	CRF	• 05333404
E40	150W	ST	SSD	04	II	CRF	• 05333504
E40	250W	ST	SSD	04	II	CRF	• 05333604

ESPERIA 02/BI-A60

E40	100W	ST	A60	04	II	CRF	• 05333704
E40	150W	ST	A60	04	II	CRF	• 05333804
E40	250W	ST	A60	04	II	CRF	• 05333904

ESPERIA 02/BI-A40

E40	100W	ST	A40	04	II	CRF	• 05334004
E40	150W	ST	A40	04	II	CRF	• 05334104
E40	250W	ST	A40	04	II	CRF	• 05334204

ESPERIA 02/BI-SR

E40	100W	ST	SR	04	II	CRF	• 05334304
E40	150W	ST	SR	04	II	CRF	• 05334404
E40	250W	ST	SR	04	II	CRF	• 05334504



ESPERIA IP65 stainless steel corrosion resistant, moisture and dust proof fitting, developed for T5 (28W/35W FH/HE and 49W/54W/80W FQ/HO) and T8 (36W/58W) linear fluorescent lamps. Suitable for use in chemically aggressive and corrosive atmospheres e.g. road / rail tunnels, chemical production plants, oil industries, marine / coastal environments, galvanic treatment plants, livestock / abattoir industry, vegetable oil and food production. ESPERIA are high performance fittings for use in very demanding installations. ESPERIA body manufactured in AISI 304 stainless steel as standard or AISI 316 L, available on request, for more demanding conditions such as tunnels or marine environments where greater corrosion resistance is required.

- Body in AISI 304 or in AISI 316L stainless steel.
- High purity anodised specular aluminium reflectors available as symmetrical for single, twin and three lamp versions and asymmetrical for single and twin lamp only.
- Toughened safety glass cover (/V) or polycarbonate (/PC). Hinges down for easy maintenance.
- Silicone rubber anti-ageing gasket.
- Stainless steel hinged spring clips.
- PG16 polyamide cable gland IP68 for Ø10-14mm cables.
- IP66 anti-vacuum breathing device.
- 220-240V, 50/60Hz electronic ballasts positioned to allow maximum heat dissipation and longevity in high ambient temperatures. For operations in ambient temperatures -20° to +50°C specific fittings are recommended. (Please contact our technical department for further information).



ESPERIA / T5 S 1x.. Symmetrical reflector for single lamp

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
G5	28W	FH		S	04	I	ETRC	A2	•	05171104	/V
G5	35W	FH		S	04	I	ETRC	A2	•	05171204	/V
G5	35W	FH		S	04	I	ETRC	A2	•	05202904	/PC
G5	49W	FQ		S	04	I	ETRC	A2	•	05174404	/V
G5	49W	FQ		S	04	I	ETRC	A2	•	05203004	/PC
G5	54W	FQ		S	04	I	ETRC	A2	•	05171704	/V
G5	80W	FQ		S	04	I	ETRC	A2	•	05171804	/V
G5	80W	FQ		S	04	I	ETRC	A2	•	05203104	/PC

ESPERIA / T8 S 1x..

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
G13	36W	FD		S	04	I	ETRC	A2	•	05200504	/V
G13	58W	FD		S	04	I	ETRC	A2	•	05200604	/V
G13	58W	FD		S	04	I	ETRC	A2	•	05207404	/PC



ESPERIA / T5 S 2x.. Symmetrical reflector for twin lamps

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
G5	28W	FH		S	04	I	ETRC	A2	•	05171304	/V
G5	35W	FH		S	04	I	ETRC	A2	•	05171404	/V
G5	35W	FH		S	04	I	ETRC	A2	•	05203204	/PC
G5	49W	FQ		S	04	I	ETRC	A2	•	05174504	/V
G5	49W	FQ		S	04	I	ETRC	A2	•	05203304	/PC
G5	54W	FQ		S	04	I	ETRC	A2	•	05171904	/V
G5	80W	FQ		S	04	I	ETRC	A2	•	05172004	/V
G5	80W	FQ		S	04	I	ETRC	A2	•	05203404	/PC

ESPERIA / T8 S 2x..

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
G13	36W	FD		S	04	I	ETRC	A2	•	05200704	/V
G13	58W	FD		S	04	I	ETRC	A2	•	05200804	/V
G13	58W	FD		S	04	I	ETRC	A2	•	05207504	/PC



ESPERIA / T5 S 3x.. Symmetrical reflector for twin lamps

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
G5	28W	FH		S	04	I	ETRC	A2	•	05171504	/V
G5	35W	FH		S	04	I	ETRC	A2	•	05171604	/V
G5	35W	FH		S	04	I	ETRC	A2	•	05203504	/PC
G5	49W	FQ		S	04	I	ETRC	A2	•	05174604	/V
G5	49W	FQ		S	04	I	ETRC	A2	•	05203604	/PC
G5	54W	FQ		S	04	I	ETRC	A2	•	05172104	/V
G5	80W	FQ		S	04	I	ETRC	A2	•	05172204	/V
G5	80W	FQ		S	04	I	ETRC	A2	•	05203704	/PC

ESPERIA / T8 S 3x..

Lampholder	W	Ilcos	*K	Optic	Colour	Class	Wiring	EEl =	Cosp ≥ 0,9	Code	Notes
G13	36W	FD		S	04	I	ETRC	A2	•	05200904	/V
G13	58W	FD		S	04	I	ETRC	A2	•	05201004	/V
G13	58W	FD		S	04	I	ETRC	A2	•	05207604	/PC

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

Toughened safety glass cover.

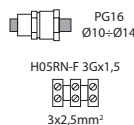
Cover polycarbonate.

					/V IK 09 12J	/PC IK 10 24J				max 11kg										
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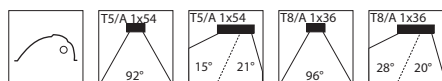
CLASS I		04		IP 65																

FDH	FD	FDH
14÷35W LUMILUX FH MASTER TLS HE	36÷58W LUMILUX TL-D	24÷80W LUMILUX FQ MASTER TLS HO

	FH	FQ	FD	A	L mm
/V	1-2-3x28W	1-2-3x54W	1-2-3x36W	95	1415
/V	1-2-3x35W	1-2-3x49W	1-2-3x58W	95	1715
/V	-	1-2-3x80W	-	95	1715
/PC	1-2-3x35W	1-2-3x49W	1-2-3x58W	135	1715
/PC	-	1-2-3x80W	-	135	1715



OK	OK	NO



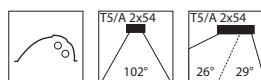
ESPERIA /T5 A 1x..

Asymmetrical reflector for single lamp

Lampholder	W	Icos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G5	28W	FH		A	04	I	ETRC	A2	•	05172304	/V
G5	35W	FH		A	04	I	ETRC	A2	•	05172404	/V
G5	35W	FH		A	04	I	ETRC	A2	•	05203804	/PC
G5	49W	FQ		A	04	I	ETRC	A2	•	05174704	/V
G5	49W	FQ		A	04	I	ETRC	A2	•	05203904	/PC
G5	54W	FQ		A	04	I	ETRC	A2	•	05172704	/V
G5	80W	FQ		A	04	I	ETRC	A2	•	05172804	/V
G5	80W	FQ		A	04	I	ETRC	A2	•	05204004	/PC

ESPERIA /T8 A 1x..

Lampholder	W	Icos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G13	36W	FD		A	04	I	ETRC	A2	•	05201104	/V
G13	58W	FD		A	04	I	ETRC	A2	•	05201204	/V
G13	58W	FD		A	04	I	ETRC	A2	•	05207704	/PC



ESPERIA /T5 A 2x..

Asymmetrical reflector for twin lamps

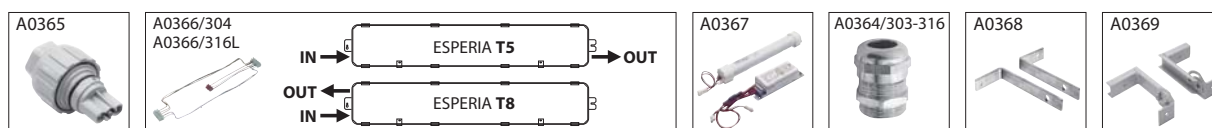
Lampholder	W	Icos	°K	Optic	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
G5	28W	FH		A	04	I	ETRC	A2	•	05172504	/V
G5	35W	FH		A	04	I	ETRC	A2	•	05172604	/V
G5	35W	FH		A	04	I	ETRC	A2	•	05204104	/PC
G5	49W	FQ		A	04	I	ETRC	A2	•	05174804	/V
G5	49W	FQ		A	04	I	ETRC	A2	•	05204204	/PC
G5	54W	FQ		A	04	I	ETRC	A2	•	05172904	/V
G5	80W	FQ		A	04	I	ETRC	A2	•	05173004	/V
G5	80W	FQ		A	04	I	ETRC	A2	•	05204304	/PC

Complete with electronic ballast non dimmable 220÷240V 50/60Hz.

/V Toughened safety glass cover.

/PC Cover polycarbonate.

ACCESSORIES



Code	Denomination	Description	Notes
14070020	A0365/28-54-36W	Fast fit IP65 plug and socket accessory kit.	
14072720	A0365/35-49-80-58W	Not possible for use in combination with A0366/36 and /58 (T8), through wiring accessory.	
14070120	A0366/304 28-54W	Supplement for factory fitted through wiring complete with internal cable and terminal blocks (AISI 304 stainless steel).	
14070220	A0366/304 35-49-80W	A0366/36 and /58 (T8) not possible for use in combination with A0365 plug and socket accessory.	
14075620	A0366/304 36W		
14075920	A0366/304 58W		
14074220	A0366/316L 28-54W	Supplement for factory fitted through wiring complete with internal cable and terminal blocks (AISI 316 stainless steel).	
14074420	A0366/316L 35-49-80W	A0366/36 and /58 (T8) not possible for use in combination with A0365 plug and socket accessory.	
14075720	A0366/316L 36W		
14076020	A0366/316L 58W		
14070320	A0367/28-54W	Supplement for T5/T8 single and twin lamp emergency version factory fitted max 1hr maintained. Not available for 3 lamp versions.	
14070420	A0367/35-49-80W		
14073020	A0367/36W		
14073120	A0367/58W		
14069820	A0364/303	AISI 303 stainless steel cable gland for Ø10-14mm cables	
14069920	A0364/316	AISI 316 stainless steel cable gland for Ø10-14mm cables.	
14070720	A0368W	Pair of AISI 304 stainless steel mounting brackets.	
14071020	A0369	Pair of AISI 304 stainless adjustable mounting brackets.	

! Accessories not suitable with A0365.



ESPERIA HID / RM are a range of fittings suitable for discharge lamps up to a max 600W, manufactured from AISI 316L corrosion resistant stainless steel. Suitable for use in chemically aggressive harsh ambient conditions and corrosive atmospheres e.g. tunnel lighting, galvanic treatment plants, mines, marine and coastal applications etc. Fittings require remote control gear box to be ordered as a separate item along with fitting. Control gear boxes should be installed at a max distance of 1.5M from fitting. ESPERIA HID fittings are available with a range of reflectors; symmetrical, extra wide beam symmetrical, asymmetrical $\text{imax } 40^\circ$ and 55° and street lighting, to satisfy a variety of applications. Fittings are supplied complete with 1.5M H07RN-F 2x1,5 mm² cable. Polycarbonate cover versions, suitable for food industries, are under development.

- AISI 316 stainless steel body and adjustable bracket.
- Reflectors in high purity aluminium anodised and polished.
- 5mm toughened safety glass (IK 10 – 24Joule).
- Anti-ageing foam silicone gaskets
- Stainless steel glass cover clips.
- Lampholder fast release bayonet enclosure manufactured from V0-UL94/ 850°C technopolymer. Complete with anti-vacuum IP68 breathing device.
- M20x1.5 cable gland for Ø10-14mm cables.
- Stainless steel external screws.

Control gear boxes to be ordered as a separate item along with fitting. Control gear boxes should be installed at a max distance of 1.5m from fitting.



ESPERIA HID/RM - S *Symmetrical reflector*

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	100-150W	ST-MT		S	04	II				01038704	
E40	250-400-600W	ST-MT		S	04	II				01038404	



ESPERIA HID/RM - SSD *Extra wide beam symmetrical reflector*

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	100-150W	ST-MT		SSD	04	II				01039204	
E40	250-400-600W	ST-MT		SSD	04	II				01039304	



ESPERIA HID/RM - A45 *Asymmetrical reflector imax = 45°*

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	100-150W	ST-MT		A45	04	II				01038804	
E40	250-400-600W	ST-MT		A45	04	II				01038904	



ESPERIA HID/RM - A55 *Asymmetrical reflector imax = 55°*

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	100-150W	ST-MT		A55	04	II				01039004	
E40	250-400-600W	ST-MT		A55	04	II				01039104	

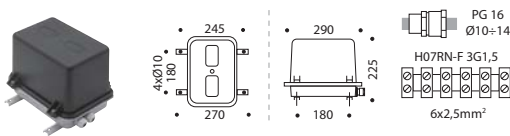


ESPERIA HID/RM - SR *Roadway reflector*

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEL =	Cosφ ≥ 0,9	Code	Notes
E40	100-150W	ST-MT		SR	04	II				01039404	
E40	250-400-600W	ST-MT		SR	04	II				01039504	

				IK 10 24J						Max 7,5kg					
CLASS II		04		IP 65										ST Max 600W NAV-T/SON-T NAV-T Super SON-T Plus	MT Max 600W HQL-T/D HQL-BT/D CDO-TT

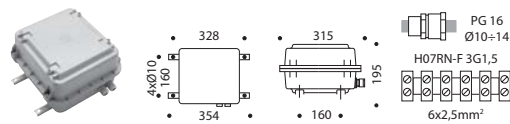
Control gear boxes to be ordered as a separate item along with Esperia HID/RM. Control gear boxes should be installed at a max distance of 1.5m from fitting.



BOX/PA IP65

W	Ilcos	Colour	Class	Wiring	EEL =	Cosp ≥ 0,9	Code	Notes
100W	ST-MT	I	CR				14087494	
150W	ST-MT	I	CR				14087594	
250W	ST-MT	I	CR				14415013	
400W	ST-MT	I	CR				14414013	
600W	ST-MT	I	CR				14088894	

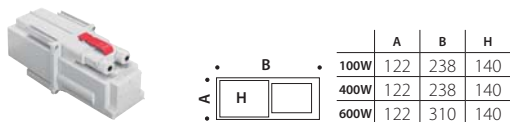
Aluminium base and polyamide cover.



BOX/AL IP65

100W	ST-MT	I	CR				14087694	
150W	ST-MT	I	CR				14087794	
250W	ST-MT	I	CR				14087894	
400W	ST-MT	I	CR				14088994	
600W	ST-MT	I	CR				14089094	

Aluminium construction.

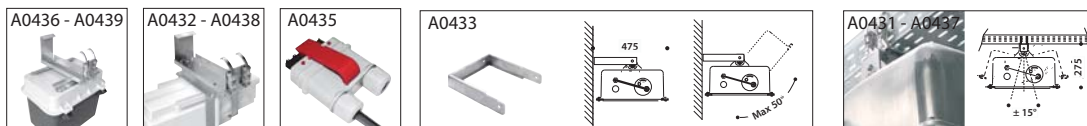


BOX/A0430 IP66

100W	ST-MT	II	CR				14086320	
150W	ST-MT	II	CR				14086420	
250W	ST-MT	II	CR				14086520	
400W	ST-MT	II	CR				14086620	
600W	ST-MT	II	CR				14086720	

V0-UL94-850°C technopolymer box for use with RM fittings.

ACCESSORIES



Code	Denomination	Description
14087004	A0433	Supplement for wall long arm mounting bracket to be ordered together with fitting for factory fitted option.
14086804	A0431 (Legrand F31 200x75)	AlSi 316L stainless steel fast fixing system suitable for installation on fittings on Legrand 200x75mm cable tray. Other options available on request.
14088004	A0437 (Femi CZ3 100x75)	AlSi 316L stainless steel fast fixing system suitable for installation on fittings on Femi CZ3 100x75mm cable tray. Other options available on request.
14087904	A0436 (Legrand F31 - 200x75)	AlSi 316L stainless steel fast fixing system suitable for suspended installation of Box/PA and Box/AL on Legrand F31 200x75mm or Femi CZ - 105x75mm cable tray. Other options available on request.
14088204	A0439 (Femi CZ3 - 100x75)	AlSi 316L stainless steel fast fixing system suitable for suspended installation of Box/PA and Box/AL on Legrand F31 200x75mm or Femi CZ - 105x75mm cable tray. Other options available on request.
14086904	A0432 (Legrand F31 - 200x75)	AlSi 316L stainless steel fast fixing system suitable for suspended installation of Box A0430 on Legrand F31 200x75mm or Femi CZ - 105x75mm cable tray. Other options available on request.
14088104	A0438 (Femi CZ3 - 100x75)	AlSi 316L stainless steel fast fixing system suitable for suspended installation of Box A0430 on Legrand F31 200x75mm or Femi CZ - 105x75mm cable tray. Other options available on request.
14087320	A0435	Supplement for fast connection plug to be ordered together with fitting for factory fitted option (on fitting cable). Provides connection between fitting and control gear box A0430.



ESPERIA HID / BI are fittings complete with integral control gear for discharge lamps up to a max 400W, manufactured from AISI 316L corrosion resistant stainless steel. Suitable for use in chemically aggressive harsh ambient conditions and corrosive atmospheres e.g. tunnel lighting, galvanic treatment plants, mines, marine and coastal applications etc. To satisfy a variety of lighting applications ESPERIA HID floodlights are available with a range of reflectors; symmetrical, extra wide beam symmetrical, asymmetrical Imax 40°, 45° and 55° and street lighting. Polycarbonate cover versions, suitable for food industries, are being developed.

- AISI 316 stainless steel body and adjustable bracket
- Reflectors in high purity 99.85% aluminium anodised and polished.
- 5mm toughened safety glass (IK 10 – 24Joule).
- Anti-ageing foam silicone gasket
- Stainless steel glass cover clips.
- Lampholder fast release bayonet enclosure manufactured complete with anti-vacuum IP68 breathing device.
- Quick and easy electrical connection by means of IP66 plug & socket for Ø9-14mm cable.
- Stainless steel external screws.



ESPERIA HID/BI - S Symmetrical reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E40	100W	ST-MT		S	04	I	CR		•	05231304	
E40	150W	ST-MT		S	04	I	CR		•	05231404	
E40	250W	ST-MT		S	04	I	CR		•	05231504	
E40	400W	ST-MT		S	04	I	CR		•	05230004	



ESPERIA HID/BI - SSD Extra wide beam symmetrical reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E40	100W	ST-MT		SSD	04	I	CR		•	05232404	
E40	150W	ST-MT		SSD	04	I	CR		•	05232504	
E40	250W	ST-MT		SSD	04	I	CR		•	05232604	
E40	400W	ST-MT		SSD	04	I	CR		•	05232704	



ESPERIA HID/BI - A40 Asymmetrical reflector imax = 40°

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E40	100W	ST-MT		A40	04	I	CR		•	05231604	
E40	150W	ST-MT		A40	04	I	CR		•	05231704	
E40	250W	ST-MT		A40	04	I	CR		•	05231804	
E40	400W	ST-MT		A40	04	I	CR		•	05231904	



ESPERIA HID/BI - A55 Asymmetrical reflector imax = 55°

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosp ≥ 0,9	Code	Notes
E40	100W	ST-MT		A55	04	I	CR		•	05232004	
E40	150W	ST-MT		A55	04	I	CR		•	05232104	
E40	250W	ST-MT		A55	04	I	CR		•	05232204	
E40	400W	ST-MT		A55	04	I	CR		•	05232304	

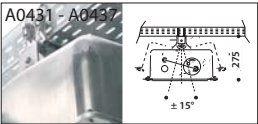
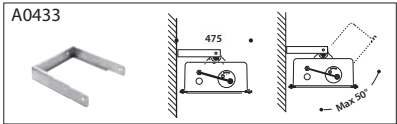
						IK 10 24J												
CLASS I		04		IP 65													ST Max 400W NAV-T SON-T	MT Max 400W HOI-T/D HOI-BT/D CDO-TT



ESPERIA HID/BI - SR Roadway reflector

Lampholder	W	Ilcos	°K	Optic	Colour	Class	Wiring	EEI =	Cosφ ≥ 0,9	Code	Notes
E40	100W	ST-MT		SR	04	I	CR			• 05232804	
E40	150W	ST-MT		SR	04	I	CR			• 05232904	
E40	250W	ST-MT		SR	04	I	CR			• 05233004	

ACCESSORIES



Code	Denomination	Description
14087004	A0433	Supplement for wall long arm mounting bracket to be ordered together with fitting for factory fitted option.
14086804	A0431 (Legrand F31 200x75)	AISI 316L stainless steel fast fixing system suitable for installation on fittings on Legrand 200x75mm cable tray. Other options available on request.
14088004	A0437 (Femi CZ3 100x75)	AISI 316L stainless steel fast fixing system suitable for installation on fittings on Femi CZ3 100x75mm cable tray. Other options available on request.

LIST OF AVAILABLE LAMPS

LAMPS		ILCOS				OSRAM		PHILIPS		G.E.	
Compact Fluorescent		8W	E27	FBT	08010720	DULUX-EL 8 W/41-827	-	-	-	-	-
	8 	9W	 G23	FSD	08069000	DULUX-S 9 W/21-840	PL-S/2p 9W-840	F9BX/840	-	-	-
		10W	G24q1	FSQ	08008620	DULUX-D/E 10 W/21-840	PL-C/4p 10W-840	-	-	-	-
	88 	13W	 G24d1	FSQ	08070000	DULUX-D 13 W/21-840	PL-C/2p 13W-840	F13DBX/840	-	-	-
		18W	 G24d2	FSQ	08086000	DULUX-D 18 W/840	PL-C/2p 18W-840	F18DBX/840	-	-	-
		26W	 G24q3	FSQ	08006420	DULUX-D/E 26 W/840	PL-C/4p 26W-840	-	-	-	-
		18W	2G11	FSD	08045000	DULUX-L 18 W/840	PL-L/4p 18W-840	F18BX/840	-	-	-
		24W	2G11	FSD	08062000	DULUX-L-SP 24W/830	-	-	-	-	-
	8 	24W	2G11	FSD	08005620	DULUX-L 24W/840	-	-	-	-	-
		36W	2G11	FSD	08095000	DULUX-L 36 W/840	PL-L/4p 36W-840	F36BX/840	-	-	-
		55W	2G11	FSD	08064000	DULUX-L 55 W/827	-	F55BX/827	-	-	-
		42W	Gx24q-4	FSM	08087000	DULUX-T/E 42 W/21-840	PL-T/4p 42W-840	F42QBX/840/4p	-	-	-
		57W	Gx24q-5	FSM	08004120	DULUX-T/E 57 W/21-840 IN	-	F57QBX/840/4p	-	-	-
		18W	2G10	FSS	08002620	DULUX-FLAT 18 W/21-840	-	H125/27	-	-	-
		24W	2G10	FSS	08067000	DULUX-FLAT 24 W/21-840	-	H250/40	-	-	-
		22W	2Gx13	FC	08008320	FC LUMILUX 22W/840	Circular TL-5 22W/840	-	-	-	-
		55W	2Gx13	FC	08008420	FC LUMILUX 55W/840	Circular TL-5 55W/840	-	-	-	-
		60W	2Gx13	FC	08008520	-	Circular TL-5 60W/840	-	-	-	-
High Pressure Sodium		70W	 E27	SE	08029000	NAV-E 70W/I	SON 70W/I	LU70/90/D/I/27	-	-	-
		100W	E40	SE	08030000	NAV-E 100 SUPER	SON-T PLUS 100W	LU100/100/T/40	-	-	-
		150W	E40	SE	08033000	NAV-E 150	SON 150W	LU150/100/D/40	-	-	-
		250W	E40	SE	08035000	NAV-E 250	SON 250W	LU250/D/40	-	-	-
		400W	E40	SE	08037000	NAV-E 400	SON 400W	LU400/D/40	-	-	-
		70W	E27	ST	08026000	NAV-T 70 SUPER	SON-T PLUS 70W	LU70/90/T12/27	-	-	-
		100W	E40	ST	08031000	NAV-T 100 SUPER	SON-T PLUS 100W	LU100/100/T/40	-	-	-
		150W	E40	ST	08032000	NAV-T 150	SON-T 150W	LU150/100/40	-	-	-
		250W	E40	ST	08034000	NAV-T 250	SON-T 250W	LU250/T/40	-	-	-
		400W	E40	ST	08036000	NAV-T 400	SON-T 400W	LU400/T/40	-	-	-
		150W	E40	ST	08012720	NAV-T 150 SUPER	SON-T PIA PLUS 150	-	-	-	-
		250W	E40	ST	08006020	NAV-T 250 SUPER	SON-T PLUS 250	LU 250/XSO/T/40	-	-	-
		400W	E40	ST	08006120	NAV-T 400 SUPER	SON-T PLUS 400	LU 400/XO/T/40	-	-	-
		600W	E40	ST	08078000	NAV-T 600 SUPER	SON-T 600 PLUS	LU 600/HO/T/40	-	-	-
		1000W	E40	ST	08039000	NAV-T 1000	SON-T 1000	LU 1000/110/T/40	-	-	-
		70W	RX7s	SD	08042000	NAV-TS 70 SUPER	-	-	-	-	-
		150W	RX7s	SD	08082000	NAV-TS 150 SUPER	-	-	-	-	-
		250W	Fc2	SD	08088000	NAV-TS 250	-	-	-	-	-
		400W	Fc2	SD	08089000	NAV-TS 400	-	-	-	-	-
Metal Halide		70W	RX7s	MD	08019000	HQI-TS 70/WDL UVS	MHW-TD 70 UVS	ARC 70/TD/730	-	-	-
		70W	RX7s	MD	08052000	HQI-TS 70/NDL UVS	MHN-TD 70 UVS	ARC 70/TD/742	-	-	-
		150W	RX7s	MD	08020000	HQI-TS 150/WDL UVS	MHW-TD 150 UVS	ARC 150/TD/730	-	-	-
		150W	RX7s	MD	08053000	HQI-TS 150/NDL UVS	MHN-TD 150 UVS	ARC 150/TD/742	-	-	-
		70W	RX7s	MD	08000820	HCI-TS 70/WDL	CDM-TD 70/830	-	-	-	-
		70W	RX7s	MD	08004520	HCI-TS 70/NDL	CDM-TD 70/942	-	-	-	-
		150W	RX7s	MD	08001320	HCI-TS 150/WDL	CDM-TD 150/830	-	-	-	-
		150W	RX7s	MD	08001420	HCI-TS 150/NDL	CDM-TD 150/942	-	-	-	-

LAMPS OFFERED ARE BASED UPON OUR SELECTED BRAND AND STOCK AVAILABILITY.

						OSRAM	PHILIPS	G.E.	
Metal Halide		20W	PGJ5	MT	08007620		CDM-Tm 20/830		
		20W	G8,5	MT	08005920	HCI-TC 20W/WDL	-	CMH 20/TC/U/830	
		35W	G12	MT	08005420	HCI-T 35WDL	CDM-T 35/830	-	
		70W	G12	MT	08055000	HQI-T 70/WDL	-	ARC 70/T/U/730	
		70W	G12	MT	08079000	HQI-T 70/NDL	-	ARC 70/T/U/842	
		150W	G12	MT	08056000	HQI-T 150/WDL	-	ARC 150/T/U/830	
		150W	G12	MT	08080000	HQI-T 150/NDL	-	ARC 150/T/U/840	
		70W	G12	MT	08004220	HCI-T 70/WDL	CDM-T 70/830	-	
		70W	G12	MT	08001120	HCI-T 70/NDL	CDM-T 70/942	-	
		150W	G12	MT	08004420	HCI-T 150/WDL	CDM-T 150/830	-	
		150W	G12	MT	08004320	HCI-T 150/NDL	CDM-T 150/942	-	
		250W	Fc2	MD	08001520	HQI-TS 250/WDL	-	-	
		250W	Fc2	MD	08074000	HQI-TS 250/NDL	MHN-TD 250	ARC 250/TD/840	
		400W	Fc2	MD	08090000	HQI-TS 400/NDL	-	-	
		70W	E27	ME	08005520	HQI-E 70W/WDL	-	-	
		100W	E27	ME	08043000	HQI-E 100/WDL	-	-	
		150W	E27	ME	08002520	HQI-E 150W/NDL	-	-	
		150W	E27	ME	08005720	HQI-E 150W/WDL	-	-	
		250W	E40	ME	08024000	HQI-E 250/D	-	-	
		250W	E40	ME	08060000	-	● HPI-BU PLUS 250	-	
		400W	E40	ME	08065000	HQI-E 400/D	-	-	
		400W	E40	ME	08066000	-	● HPI-BU PLUS 400	-	
		400W	E40	⚠	ME	08054000	-	HPI-BUS PLUS 400	-
		70W	E27	MT	08007520	HCI-TT 70W/WDL	CDO/TT 70W/828	-	
		150W	E40	MT	08001220	HCI-TT 150/WDL	CDO-TT 150/830	-	
		250W	E40	MT	08022000	HQI-T 250/D	-	-	
		250W	E40	MT	08058000	-	HPI-T Plus 250	-	
		400W	E40	MT	08023000	HQI-T 400-BT/D	-	-	
		400W	E40	MT	08059000	-	HPI-T Plus 400	-	
		1000W	E40	MT	08038000	HQI-T 1000/D	-	SPL 1000/T/H/960	
		1000W	E40	MT	08050000	-	HPI-T 1000	-	
		2000W/230V	E40	MT	08057000	-	HPI-T 2000	-	
		2000W/400V	E40	⚠	MT	08040000	HQI-T 2000/D/I	-	SPL 2000/I/T/H/960
		1000W/230V		MN	08000000	-	MHN-LA 1000	-	
		2000W/400V		MN	08091000	-	MHN-LA 2000	-	
		1000W/230V		MN	08001620	HQI-TS 1000/D/S	-	-	
		2000W/400V		MN	08001720	HQI-TS 2000/D/S	-	-	
		2000W/400V		MN	08010620	HQI-TS 2000/N/L	-	-	

 Lamp with integral ignitor.

● PHILIPS HPI-BU PLUS lamps operate on H.P.S. control gear (250W/25.500 lumens and 400W/42.500 lumens) and on M.H./M.V. control gear (250W/18.000 lumens and 400W/32.500 lumens).

PRODUCTS

	Code	Pag.		Code	Pag.		Code	Pag.		Code	Pag.	
01000802	66		03001011	88		04025594	132		05057594	54	05097311	142
01003102	140		03001016	66		04025696	132		05057694	54	05097411	142
01003202	140		03001111	88		04025781	132		05057794	54	05097511	142
01005894	74		03001211	88		04025894	132		05057894	54	05097611	142
01005994	74		03002026	66		04025996	132		05057994	54	05097711	142
01019294	129		03002280	68		04026081	132		05058094	54	05097811	142
01019394	129		03002385	68		04026194	132		05058494	54	05097911	142
01020494	129		03003585	140		04026296	132		05058890	96	05098011	142
01020594	130		03003696	156		04026394	149		05059190	96	05098111	142
01020694	130		03003781	156		04026494	149		05061394	55	05100494	76
01020794	130		03003827	156		04026594	149		05061494	55	05100594	76
01020894	129		03005681	64		04026694	149		05061594	55	05100694	76
01020994	129		03005781	64		04027194	149		05061794	55	05100794	76
01021094	129		03006080	68		04027294	149		05061894	55	05100894	76
01021194	131		03006185	68		04031894	149		05061994	55	05100994	76
01021294	131		03046011	58		04031994	149		05063490	124	05101094	76
01021394	131		03051011	67		04032394	148		05063590	124	05101194	76
01028681	129		03052021	67		04032694	148		05063690	124	05101694	45
01028781	129		04000394	150		04032794	148		05063790	124	05101794	45
01028881	129		04000494	150		04032894	148		05063890	124	05101894	45
01028981	129		04000594	150		04032994	148		05065990	124	05101994	45
01029081	129		04000694	150		04033094	148		05066090	124	05102094	45
01029181	129		04000994	150		04033194	148		05066190	124	05102194	45
01029281	131		04001094	150		04033294	148		05066290	124	05102294	45
01029381	131		04001794	52		04033394	148		05066390	124	05107311	142
01029481	131		04001994	52		04033494	148		05066490	124	05107411	142
01029581	130		04002094	52		04033594	148		05066590	124	05107511	142
01029681	130		04002294	52		04033694	148		05066890	124	05107611	142
01029781	130		04002394	148		04033794	148		05066990	124	05107711	142
01032011	67		04002494	148		04033894	148		05067894	60	05107811	142
01032794	135		04002594	148		04033994	148		05067994	60	05107911	142
01032894	135		04002694	148		04034094	149		05068294	60	05108011	142
01032994	135		04002794	148		04034194	149		05068394	60	05108111	142
01033021	67		04002894	148		04034294	149		05068494	60	05122094	50
01033081	135		04002994	148		04034394	149		05068590	124	05126394	40
01033181	135		04003094	148		04034494	149		05068690	124	05126494	40
01033281	135		04003194	148		04034594	149		05068790	124	05126594	40
01035996	156		04003594	52		04034694	148		05068890	124	05126694	40
01036011	67		04003794	52		05013102	92		05068990	124	05126911	142
01036081	156		04003894	148		05013202	92		05069090	124	05127011	142
01036127	156		04004094	148		05013302	92		05069694	48	05127111	142
01037021	67		04008394	150		05013402	92		05069794	48	05127211	142
01038404	210		04008494	150		05013502	92		05069894	48	05127311	142
01038704	210		04010094	129		05013602	92		05069994	48	05127411	142
01038804	210		04011994	148		05013898	120		05070094	48	05129594	46
01038904	210		04012094	129		05014198	120		05070194	48	05129911	89
01039004	210		04012194	129		05015098	120		05070294	48	05130011	89
01039104	210		04012294	129		05015998	120		05070394	48	05130111	89
01039204	210		04012394	131		05019302	92		05070994	48	05130211	89
01039304	210		04012494	131		05019402	92		05071094	48	05130311	89
01039404	210		04016794	52		05019502	92		05071194	48	05130411	89
01039504	210		04016994	52		05019602	92		05071294	48	05130511	89
01043281	64		04017481	129		05019702	92		05071394	49	05130611	89
01043381	64		04017581	129		05019802	92		05071494	49	05130711	89
01043481	64		04017681	129		05024802	92		05071594	49	05130811	89
01043581	133		04017781	129		05024902	92		05071694	49	05130911	89
01043694	133		04017881	131		05025002	92		05071794	49	05131011	89
01043796	133		04017981	131		05025102	92		05071894	49	05131111	89
01044304	206		04018994	135		05042211	86		05071994	49	05131211	89
01044404	206		04019081	135		05044511	84		05072790	124	05131311	90
01044781	133		04019494	150		05044611	84		05072890	124	05131411	90
01044894	133		04019594	150		05044811	84		05075094	50	05131511	90
01044996	133		04019694	148		05044911	84		05075294	50	05131611	90
01045404	206		04019794	148		05045711	84		05075394	50	05131711	90
01045604	206		04019894	148		05045811	84		05075494	50	05131811	90
01045804	206		04019994	148		05046011	84		05075594	50	05131911	90
01046287	166		04021594	146		05046111	84		05077294	44	05132011	90
01046381	166		04021694	146		05046311	85		05077394	44	05132111	90
01046496	166		04021794	146		05046411	85		05077494	44	05132211	90
01046587	166		04021894	146		05047611	86		05077594	44	05132311	90
01046681	166		04021994	146		05047711	86		05077694	44	05132411	90
01046796	166		04022094	146		05047811	86		05077794	44	05132511	90
01086011	58		04022194	146		05048594	80		05077894	44	05132611	90
01090021	58		04022294	146		05048694	80		05077994	44	05133194	46
01150013	152		04022394	146		05048794	80		05078094	44	05133294	50
01208013	152		04022494	146		05048894	80		05078194	44	05135994	73
01590011	58		04022594	146		05048994	80		05082390	96	05136094	73
01648011	58		04022694	146		05049094	80		05085111	86	05136194	73
01717011	58		04022794	146		05050099	96		05085694	44	05136294	73
01882011	58		04022894	146		05050199	96		05085994	44	05136394	73
01883011	66		04022994	146		05050299	96		05086094	44	05138611	85
01941998	140		04023094	146		05050399	96		05086194	44	05138811	84
01958018	138		04023194	146		05052194	120		05086294	44	05138911	84
01959018	138		04023294	146		05052690	96		05086804	120	05139011	85
01961018	138		04023781	64		05055990	96		05086904	120	05139211	85
01962018	138		04023881	132		05056090	96		05087304	120	05139311	85
01979998	140		04023994	132		05056190	96		05087404	120	05139794	78
01980998	140		04024096	132		05056290	96		05087504	120	05139894	78
01981998	140		04024181	132		05056390	96		05087794	46	05139994	78
01986013	152		04024294	132		05056490	96		05087894	46	05140194	78
01987013	152		04024396	132		05056694	54		05095790	124	05140494	78
03000311	86		04025094	146		05056794	54		05095890	124	05143494	42
03000411	86		04025181	132		05056894	54		05096694	126	05143594	42
03000711	86		04025294	132		05056994	54		05096894	126	05143694	42
03000811	86		04025396	132		05057094	54		05097004	126	05143794	42
03000911	88		04025481	132		05057194	54		05097204	126	05143894	42

PRODUCTS

Code	Pag.	Code	Pag.	Code	Pag.	Code	Pag.
05144094	42	05168794	134	05203904	209	05231604	212
05144194	42	05168894	134	05204004	209	05231704	212
05144294	42	05168994	134	05204104	209	05231804	212
05144394	42	05169094	134	05204204	209	05231904	212
05144494	42	05169194	134	05204304	209	05232004	212
05144694	42	05169281	134	05207404	208	05232104	212
05144894	40	05169381	134	05207504	208	05232204	212
05144994	40	05169481	134	05207604	208	05232304	212
05145285	73	05169581	134	05207704	209	05232404	212
05145385	73	05169681	134	05208694	56	05232504	212
05145485	73	05169781	134	05208794	56	05232604	212
05145585	73	05170494	72	05208894	56	05232704	212
05145685	73	05171104	208	05208994	56	05232804	212
05145990	98	05171204	208	05210896	154	05232904	212
05146090	98	05171304	208	05210996	154	05233004	212
05146190	98	05171404	208	05211296	154	05233485	82
05146290	98	05171504	208	05211396	154	05233585	82
05146390	98	05171604	208	05211496	154	05233685	82
05146490	71	05171704	208	05211796	154	05233785	83
05146585	71	05171804	208	05212811	142	05233885	83
05146890	72	05171904	208	05213996	201	05233985	83
05146990	72	05172004	208	05214096	201	05234090	98
05147290	72	05172104	208	05214196	201	05236294	80
05147485	72	05172204	208	05214496	199	05236396	198
05147885	72	05172304	209	05214596	199	05236496	198
05149490	98	05172404	209	05214696	199	05236594	80
05150281	154	05172504	209	05214796	199	05236694	80
05150381	154	05172604	209	05214896	199	05236794	80
05150681	154	05172704	209	05214996	199	05236894	80
05151404	154	05172804	209	05215096	199	05236994	80
05151504	154	05172904	209	05215196	199	05237094	80
05151804	154	05173004	209	05215296	199	05237194	80
05152081	154	05174404	208	05215396	199	05237294	80
05152181	154	05174504	208	05215496	199	05237496	201
05152481	154	05174604	208	05216196	199	05237596	201
05153204	154	05174704	209	05220890	94	05237696	201
05153304	154	05174804	209	05220990	94	05237796	201
05153604	154	05185694	76	05221090	94	05238096	103
05154394	49	05187794	57	05221190	94	05238296	103
05154494	49	05187894	57	05221290	94	05238696	103
05155890	72	05187994	57	05221390	94	05238896	103
05156794	80	05188094	57	05221490	94	05239594	80
05156894	80	05188194	57	05221590	94	05239694	80
05156994	80	05188294	57	05221690	94	05239794	80
05157094	80	05188394	57	05221790	94	05239894	80
05158194	80	05188494	57	05221890	94	05239994	80
05158394	80	05188594	57	05221990	94	05240094	80
05158490	122	05188694	57	05222090	94	05240194	80
05158590	122	05189694	48	05222190	94	05240294	80
05158890	122	05189794	48	05222290	94	05240394	80
05160990	122	05189894	48	05222390	94	05240494	80
05161090	122	05189994	48	05223090	95	05240890	98
05161190	122	05190094	48	05223190	95	05243290	98
05161290	122	05190194	48	05223290	95	05245894	76
05161390	122	05191996	156	05223390	95	05246794	40
05161490	122	05192081	156	05223490	95	05246894	40
05161590	122	05192104	156	05223590	95	05253997	178
05161690	122	05192596	156	05223990	95	05254096	178
05161790	122	05192681	156	05224090	95	05254197	178
05161890	122	05192704	156	05224190	95	05254296	178
05161990	122	05192896	156	05224290	95	05254397	178
05162004	122	05192981	156	05224685	82	05254496	178
05162104	122	05193004	156	05224785	82	05254597	178
05162204	122	05193196	156	05225085	82	05254696	178
05162304	122	05193281	156	05225185	82	05254797	178
05162404	122	05193304	156	05225494	80	05254896	178
05162504	122	05194096	156	05225894	57	05254997	178
05162604	122	05194181	156	05225994	57	05255096	178
05162794	134	05194204	156	05226094	40	05255197	180
05162894	134	05194681	159	05226194	40	05255296	180
05162994	134	05194781	159	05226794	56	05255397	180
05163094	134	05194881	159	05226894	56	05255496	180
05163194	134	05194996	159	05227385	82	05255597	180
05163294	134	05195096	159	05227485	82	05255696	180
05163394	134	05195196	159	05227790	94	05255797	180
05163494	134	05195204	159	05227890	94	05255896	180
05163594	134	05195304	159	05227990	94	05255997	180
05163781	134	05195404	159	05228090	94	05256096	180
05163881	134	05200504	208	05228190	94	05256197	180
05163981	134	05200604	208	05228290	94	05256296	180
05164081	134	05200704	208	05228485	83	05256397	180
05164181	134	05200804	208	05228585	83	05256496	180
05164281	134	05200904	208	05228685	83	05256597	180
05164381	134	05201004	208	05228785	83	05256696	180
05164481	134	05201104	209	05228885	83	05256797	182
05164581	134	05201204	209	05228985	83	05256896	182
05165390	122	05202904	208	05229085	83	05256997	182
05165490	122	05203004	208	05229185	83	05257096	182
05165504	122	05203104	208	05229285	83	05257197	182
05166194	80	05203204	208	05229385	83	05257296	182
05166294	80	05203304	208	05229485	83	05257397	182
05166394	80	05203404	208	05229585	83	05257496	182
05166494	80	05203504	208	05230004	212	05257597	182
05166594	80	05203604	208	05231304	212	05257696	182
05166694	80	05203704	208	05231404	212	05257797	182
05168694	134	05203804	209	05231504	212	05257896	182

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05836013	68	06018794	41	06035696	200	07027087	168	08001720	215
05893013	68	06018894	41	06036596	107	07027187	168	08002520	215
05900023	68	06018994	41	06036696	107	07027281	168	08002620	214
05901023	68	06019094	41	06036796	107	07027381	168	08004120	214
05903023	68	06019194	41	06036896	107	07027496	168	08004220	215
05944013	60	06019294	41	06036904	107	07027596	168	08004320	215
05945013	60	06019394	41	06037004	107	07027687	168	08004420	215
05946023	60	06019494	41	06037104	107	07027787	168	08004520	214
05947023	60	06019594	41	06037204	107	07027881	168	08005420	215
05948013	60	06019694	41	06037396	116	07027981	168	08005520	215
05949013	60	06019794	41	06037496	116	07028096	168	08005620	214
05950023	60	06019894	41	06037596	116	07028196	168	08005720	215
05951023	60	06019994	41	06037696	116	07031090	73	08005920	215
05959013	60	06021296	109	06037704	116	07031585	73	08006020	214
05960023	60	06021396	109	06037804	116	07032196	30	08006120	214
06001204	32	06021496	109	06037904	116	07032296	30	08006420	214
06001394	32	06022396	106	06038004	116	07032396	30	08007520	215
06001404	32	06022496	106	06038881	161	07032496	30	08007620	215
06001594	32	06022596	106	06038981	161	07032504	30	08008320	214
06001604	32	06022604	106	06039096	161	07032604	30	08008420	214
06001794	32	06022704	106	06039196	161	07032704	30	08008520	214
06001804	32	06022804	106	06039204	161	07032804	30	08008620	214
06001994	32	06022994	41	06039304	161	07033396	26	08010620	215
06002004	32	06023094	41	06040096	198	07033404	26	08010720	214
06002194	32	06023194	41	06040196	198	07033596	26	08012720	214
06002294	36	06023396	187	06040296	198	07033604	26	08019000	214
06002394	36	06023496	187	06040396	198	07033796	26	08020000	214
06002494	36	06023596	187	06040496	200	07033804	26	08022000	215
06002594	36	06023696	187	06040596	200	07033996	26	08023000	215
06002694	36	06023796	187	07003194	54	07034004	26	08024000	215
06002794	36	06023896	187	07003294	54	07034196	26	08026000	214
06003250	32	06023996	187	07003394	54	07034204	26	08029000	214
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06003450	32	06024196	187	07003694	54	07034404	26	08031000	214
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06003650	32	06024396	187	07003894	54	07034696	109	08033000	214
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06006294	38	06025096	179	07010294	60	07034904	26	08036000	214
06006394	38	06025197	179	07010394	60	07035094	28	08037000	214
06006494	38	06025296	179	07013890	96	07035194	28	08038000	215
06006504	38	06025397	179	07013990	96	07035294	28	08039000	214
06006604	38	06025496	179	07014090	96	07035394	28	08040000	215
06006704	38	06025597	179	07014190	96	07035494	28	08042000	214
06006804	38	06025696	179	07014594	40	07035594	28	08043000	215
06006904	38	06025797	179	07014694	40	07035694	28	08045000	214
06009894	130	06025896	179	07014794	40	07035794	28	08050000	215
06009994	129	06025997	179	07014894	40	07035896	30	08052000	214
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06010181	130	06026197	179	07017394	40	07036096	30	08054000	215
06011004	34	06026296	179	07017794	54	07036104	30	08055000	215
06011104	34	06026397	179	07017894	42	07036296	30	08056000	215
06011250	34	06026496	179	07017994	42	07036304	30	08057000	215
06011350	34	06026597	179	07018094	42	07036496	30	08058000	215
06011494	34	06026696	179	07018194	42	07036504	30	08059000	215
06011594	34	06026797	179	07018294	42	07036696	30	08060000	215
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06011750	35	06026997	179	07018494	42	07036896	30	08064000	214
06011894	35	06027096	179	07018594	42	07036904	30	08065000	215
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06012294	38	06028096	198	07020694	57	07037396	118	08070000	214
06012304	34	06028196	198	07020794	57	07037496	118	08074000	215
06012404	34	06028296	198	07020894	57	07037596	118	08078000	214
06012550	34	06028381	161	07020994	57	07039296	110	08079000	215
06012650	34	06028496	161	07021094	57	07039396	110	08080000	215
06012794	34	06028504	161	07022894	56	07039496	110	08082000	214
06012894	34	06028681	161	07022994	56	07040080	68	08086000	214
06013011	144	06028796	161	07023094	56	07040185	68	08087000	214
06013111	144	06028804	161	07023194	56	07040596	119	08088000	214
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06013311	144	06029096	200	07024096	109	07040796	119	08090000	215
06013411	144	06032781	161	07024196	109	07040896	119	08091000	215
06013594	127	06032881	161	07024896	170	07040996	119	08095000	214
06013694	127	06032996	161	07024996	171	07041096	119		
06013794	127	06033096	161	07025096	174	07073013	63		
06013804	127	06033104	161	07025196	175	07075013	62		
06013904	127	06033204	161	07025287	166	07077013	63		
06014004	127	06033396	110	07025381	166	07079013	62		
06015296	106	06033496	110	07025496	166	07106013	63		
06015396	106	06033596	110	07025587	166	07108013	62		
06015696	109	06033696	110	07025681	166	07199013	68		
06015896	109	06033796	110	07025796	166	07204023	68		
06016096	109	06033896	110	07025887	166	07252013	60		
06016481	64	06033996	119	07025981	166	07253023	60		
06016581	64	06034096	119	07026096	166	07254013	60		
06016681	64	06034196	119	07026187	166	07255023	60		
06017396	106	06034296	119	07026281	166	08000000	215		
06017496	106	06034396	119	07026396	166	08000820	214		
06017704	106	06034496	119	07026487	166	08001120	215		
06017804	106	06035196	198	07026581	166	08001220	215		
06018104	106	06035296	198	07026696	166	08001320	214		
06018204	106	06035396	198	07026787	166	08001420	214		
06018594	41	06035496	198	07026881	166	08001520	215		
06018694	41	06035596	200	07026996	166	08001620	215		

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14000599	121	14014011	59	14028320	77	14050790	71	14071920	127
14000601	61	14014394	147	14028320	79	14050890	71	14071920	145
14000799	141	14014394	149	14028894	47	14050920	71	14072020	35
14000801	121	14014420	147	14028994	47	14051085	71	14072020	127
14001699	55	14014420	149	14029094	41	14051185	71	14072020	145
14002099	51	14014594	61	14029094	47	14051294	43	14072120	35
14002124	87	14014920	85	14031820	143	14051394	43	14072120	106
14002289	139	14014920	91	14031820	145	14051420	29	14072120	127
14002384	155	14015020	99	14031920	143	14051720	29	14072120	145
14002680	67	14015020	202	14031920	145	14051720	29	14072220	35
14002680	69	14015194	61	14032020	143	14051720	31	14072220	127
14002785	67	14015294	61	14032020	145	14051720	123	14072220	145
14002785	69	14015420	33	14032120	143	14051920	79	14072720	209
14002880	67	14015420	37	14032120	145	14052394	51	14073020	209
14002880	69	14015420	39	14032294	143	14053620	81	14073120	209
14002985	67	14015520	33	14032294	145	14053720	121	14073220	157
14002985	69	14015520	35	14032394	143	14053720	125	14074220	209
14003504	61	14015520	37	14032394	145	14054020	81	14074420	209
14003620	93	14015520	39	14032420	143	14054120	81	14074820	159
14004011	67	14015520	127	14032420	145	14054220	81	14074981	159
14004011	69	14015520	145	14037894	131	14054320	81	14074981	161
14004120	74	14015620	33	14037894	133	14054420	81	14075096	159
14004120	76	14015620	37	14037920	131	14054520	87	14075096	161
14004320	74	14015620	39	14038020	131	14057394	43	14075104	159
14004320	76	14015720	33	14038120	131	14057494	135	14075104	161
14004320	78	14015720	37	14038220	131	14057594	135	14075620	209
14004320	81	14015720	39	14038320	131	14057694	135	14075720	209
14004520	78	14015820	33	14038404	131	14057981	135	14075920	209
14004520	81	14015820	34	14038404	133	14058081	135	14076020	209
14004710	74	14015820	37	14038504	131	14058181	135	14076320	159
14004710	76	14015820	39	14038504	133	14058412	123	14076620	77
14004710	81	14016011	59	14038694	131	14058520	123	14076620	79
14005021	67	14016420	74	14040936	131	14058601	151	14076720	29
14005021	69	14016420	76	14041220	143	14058701	151	14076720	123
14005120	75	14016520	74	14041220	145	14058820	123	14076820	121
14005120	77	14016520	76	14041320	143	14059294	151	14076820	125
14005420	75	14016694	75	14041320	145	14063594	51	14077102	203
14005420	77	14016820	47	14041494	51	14063694	51	14077202	203
14005420	79	14016994	47	14042320	51	14063794	51	14077396	203
14005420	81	14017094	47	14042520	47	14063894	47	14077496	203
14005620	79	14017120	47	14042620	51	14063994	47	14077596	203
14005620	81	14017220	47	14042620	53	14064994	135	14077696	203
14006320	97	14017320	47	14042920	41	14064994	137	14077820	202
14006620	87	14017494	53	14043020	41	14065081	135	14077820	202
14006802	87	14017594	53	14043194	41	14065081	137	14077920	202
14006902	87	14017694	153	14043294	41	14065112	135	14077920	202
14007002	87	14017794	153	14043394	41	14065112	137	14078120	202
14007411	87	14018220	55	14044320	90	14065220	135	14078220	202
14007620	85	14018320	27	14044420	90	14065220	137	14078320	202
14007620	91	14018320	29	14044520	90	14065320	135	14078420	202
14007920	81	14018320	31	14044620	51	14065320	137	14078520	202
14008194	87	14018320	105	14044620	53	14065420	135	14078620	202
14008820	77	14018320	106	14044720	153	14065420	137	14078620	202
14008820	81	14018320	109	14044820	153	14065502	135	14081902	203
14008920	79	14018320	113	14044920	153	14065602	135	14082096	203
14008920	81	14018320	118	14045020	153	14065702	135	14082920	95
14009020	75	14018320	123	14045294	51	14065894	135	14083120	159
14009320	87	14018320	139	14045394	51	14065981	135	14083120	161
14009420	87	14018420	141	14045694	43	14066020	135	14083320	83
14009594	55	14018594	151	14045794	43	14066020	137	14083420	83
14009694	55	14020120	121	14045820	43	14066020	157	14083785	83
14009794	55	14020220	77	14045920	43	14066594	135	14084120	83
14009894	55	14020220	81	14046120	43	14066694	135	14084202	203
14009994	55	14020320	75	14046420	90	14066794	135	14085011	59
14010094	55	14020601	147	14046520	90	14066881	135	14086011	67
14010120	81	14020601	149	14046620	90	14066981	135	14086320	211
14011594	51	14020601	153	14046990	73	14067081	135	14086420	211
14011594	53	14020701	53	14047020	73	14068694	43	14086520	211
14011594	55	14020701	147	14047194	41	14068794	43	14086620	211
14011994	61	14020701	149	14047194	47	14068894	43	14086720	211
14012094	61	14020701	151	14047385	73	14068994	43	14086804	211
14012194	61	14020701	153	14047904	47	14069094	43	14086804	213
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14012420	51	14021294	47	14048381	131	14070020	209	14087320	211
14012420	53	14021394	47	14048381	133	14070120	209	14087494	211
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14012520	53	14021720	51	14048504	73	14070320	209	14087694	211
14012620	51	14023011	59	14048694	43	14070420	209	14087794	211
14012620	53	14025220	99	14048894	41	14070520	53	14087894	211
14012720	51	14025220	202	14048994	41	14070620	53	14087904	211
14012720	53	14025320	99	14049094	41	14070720	209	14088004	211
14013220	53	14025420	99	14049194	41	14071020	209	14088004	213
14013220	151	14025520	99	14049294	41	14071120	157	14088104	211
14013320	53	14025620	99	14049320	155	14071220	157	14088204	211
14013320	147	14025701	53	14049720	155	14071320	133	14088396	203
14013320	149	14025701	151	14049820	155	14071320	157	14088496	203
14013320	151	14025701	153	14049920	155	14071520	34	14088696	203
14013320	153	14026520	51	14050194	47	14071520	39	14088796	203
14013420	51	14026520	53	14050294	41	14071620	34	14088894	211
14013420	53	14027320	125	14050390	72	14071620	39	14088994	211
14013420	149	14027420	125	14050485	72	14071720	34	14089021	67
14013620	149	14027720	121	14050590	72	14071820	34	14089094	211
14013720	149	14028320	75	14050620	72	14071920	35	14089220	81

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14089794	81	14101881	165	14113381	167	14129096	191	14216003	53
14089894	81	14101996	165	14113496	167	14129196	191	14216003	151
14090202	147	14102181	165	14113587	167	14129296	191	14222016	63
14090394	147	14102296	165	14113681	167	14129396	191	14224013	153
14090494	147	14102481	165	14113796	167	14129496	191	14235013	59
14090594	147	14102596	165	14113881	169	14129596	190	14235013	61
14090720	27	14102781	165	14113996	169	14129696	190	14235013	63
14090720	105	14102896	165	14114081	169	14129796	190	14236023	59
14090820	27	14103081	165	14114196	169	14129896	190	14236023	61
14090820	105	14103196	165	14114281	169	14129996	190	14237013	59
14090920	105	14103381	165	14114396	169	14130096	190	14237013	61
14091020	105	14103496	165	14114481	169	14130196	190	14237013	63
14091120	105	14103681	165	14114596	169	14130296	190	14238023	59
14091220	105	14103796	165	14114681	169	14130396	190	14238023	61
14091320	105	14103981	165	14114796	169	14130496	190	14249002	83
14091420	105	14104003	153	14114881	169	14132997	185	14260003	147
14091512	105	14104096	165	14114996	169	14133096	185	14260003	149
14091612	105	14104281	165	14115081	169	14133596	187	14261013	153
14091712	105	14104396	165	14115196	169	14133696	187	14266011	59
14091820	105	14104581	165	14115281	169	14134020	206	14274013	153
14091981	65	14104696	165	14115396	169	14134120	206	14288931	66
14092081	65	14104896	172	14115487	169	14134220	206	14295005	85
14092181	65	14104996	172	14115581	169	14134320	206	14295005	91
14092202	65	14105096	172	14115696	169	14134420	206	14296005	91
14092202	133	14105196	172	14115781	167	14134520	206	14297005	91
14092581	133	14105296	172	14115781	169	14134704	207	14321994	79
14093920	133	14105396	172	14115896	167	14134904	207	14321994	81
14094020	133	14105496	172	14115896	169	14135104	207	14322994	81
14094194	133	14105596	172	14116196	163	14135220	137	14323013	69
14094296	133	14105696	172	14116220	163	14135396	137	14324023	69
14094381	133	14105796	172	14116320	163	14135420	106	14327933	55
14094494	133	14105896	172	14116496	163	14135520	106	14337011	59
14094596	133	14105996	172	14122820	27	14135620	106	14337011	69
14094681	133	14106003	147	14122820	105	14135820	207	14350993	61
14094794	133	14106003	153	14122920	27	14135920	207	14351993	61
14094896	133	14106096	172	14122920	105	14136120	207	14352993	61
14094920	139	14106196	172	14123120	105	14136920	31	14359993	151
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14096120	139	14106396	172	14123320	105	14136920	115	14361993	151
14096296	133	14106496	172	14123420	105	14137020	31	14369993	43
14096320	206	14106596	172	14123596	192	14137020	113	14369993	55
14096420	206	14106696	172	14123696	192	14137020	115	14410998	141
14096520	206	14106720	172	14123796	192	14137120	31	14411998	141
14096620	206	14106896	172	14123896	192	14137120	113	14412998	141
14096720	206	14107396	195	14123996	192	14137120	115	14414013	211
14096820	206	14107496	195	14124096	192	14137220	31	14415013	211
14097104	207	14107796	195	14124196	192	14137220	113	14417998	141
14097304	207	14107896	195	14124296	192	14137220	115	14421018	139
14097504	207	14107996	195	14124396	192	14137320	113	14422018	139
14098704	165	14108096	195	14124496	192	14137320	115	14422018	141
14098704	185	14108196	195	14124596	192	14137420	113	14423998	139
14098804	165	14108296	195	14124696	192	14137420	115	14430993	93
14098804	185	14108396	195	14124796	192	14137520	113	14430993	95
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14099104	165	14108896	176	14125296	192	14137720	115	14435993	93
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14099220	165	14109020	176	14125496	192	14137820	115	14440994	76
14099220	167	14109696	197	14125596	193	14137920	113	14440994	81
14099220	169	14109796	197	14125696	193	14137920	115	14441994	78
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14099320	165	14109996	197	14125896	193	14138012	115	14442994	78
14099320	167	14110096	197	14125996	193	14138196	203	14442994	81
14099320	169	14110196	197	14126096	193	14138296	203	14448996	121
14099320	172	14110296	197	14126196	193	14138396	203	14449996	121
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14099404	165	14110496	187	14126396	193	14140175	187	14458993	59
14099404	167	14110596	187	14126496	193	14140275	134	14459993	59
14099404	169	14110696	187	14126596	193	14140275	187	14460993	59
14099404	172	14110796	187	14126696	193	14140375	134	14467013	61
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14099896	185	14111496	189	14127196	193	14140575	187		
14099997	185	14111596	189	14127296	193	14140675	134		
14100096	185	14111696	189	14127396	193	14140675	187		
14100197	185	14111796	189	14127496	193	14140920	202		
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14100397	185	14111981	167	14127696	191	14150420	107		
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14100981	165	14112781	167	14128496	191	14193013	63		
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14101281	165	14112981	167	14128696	191	14215003	53		
14101396	165	14113096	167	14128796	191	14215003	147		
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