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MODUL

TRULY ITALIAN
ELECTRO

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"My father did not teach me how to live; he lived his life letting me learn". Thank you dad.



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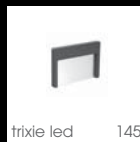
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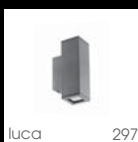


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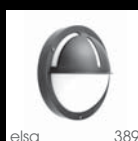
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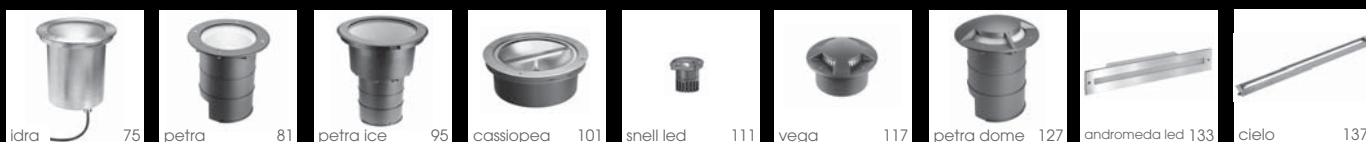


paola 401



vanna 407

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How to read the Catalogue

Paola IP65

Description
Minimal and compact outdoor luminaire for installation on wall. Configuration: phosphor-coated and polyester powder coated die-cast aluminium structure (four colours available), tempered sandblasted or transparent glass, pure aluminium optics, silicone gasket and stainless steel screws.

Variants available / Accessories
Light emission:
- fixed symmetric emission
- fixed asymmetric emission
Diffuser:
- transparent glass (V) for asymmetric emission
- sandblasted glass (VS) for symmetric emission

Light sources / Accessories
Symmetric version:
2x20W TC-D G24d-3 compact fluorescent lamp
2x18W TC-D G24d-2 compact fluorescent lamp
150W QDE R7s halogen lamp
2x20W Q132 E27 halogen lamp
Asymmetric version:
2x20W TC-D G24d-3 compact fluorescent lamp
150W QDE R7s halogen lamp

Dimensions
Size: 200mm
Width: 90mm max

Technical features
Protection Rating: IP65
Class of Protection: I
Suitable for installation on normally flammable surface F
CE Marking
In compliance with EN 60598-1

Installation / Accessories
Wiring through two M16 plastic cable glands (Ø: \varnothing10mm cables). Outdoor use requires suitable flexible cables assuring the tightness of the cable gland.

Colours available

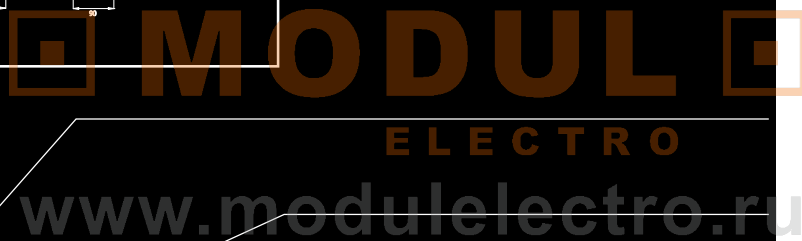
1 white 2 aluminium 3 anthracite 4 black

Technical Description

Symbols are for a quick outline of the product: general features and installation

Available Colours

Technical Drawing



Product Image

Light Emission

Photometric Curve

Product Code

Light Source Description:
ZVAI - POWER - SOCKET

PAOLA

VERSION WITH SYMMETRIC OPTIC

890200
Q132 2x20W E27

891400
QDE 12 150W R7s

890800
TC-D 2x18W G24d-2

891000
TC-D 2x20W G24d-3

VERSION WITH ASYMMETRIC OPTIC

891414
QDE 12 150W R7s

890914
TC-D 2x18W G24d-3

ares

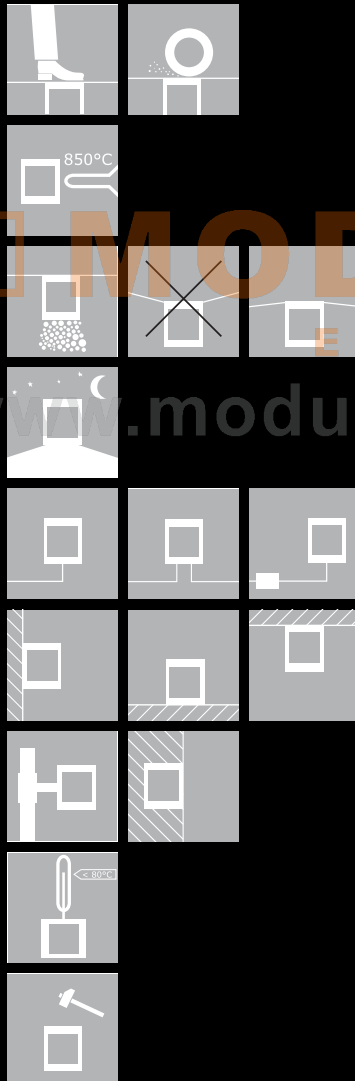
IP Degrees of Protection

IP numeral	First Digit IP Protection vs. Solid Bodies	Second Digit IP Protection vs. Water
0	Non protected.	Non protected.
1	A large surface of the body, such as a hand (but no protection against deliberate access) Solid objects exceeding 50 mm in diameter.	Dripping water (vertically falling drops) shall have no harmful effect.
2	Finger or similar objects not exceeding 80 mm in length. Solid objects exceeding 12 mm in diameter.	Vertically dripping water shall have no harmful effect when the enclosure is tilted at any angle up to 15° from its normal position.
3	Tools, wires, etc. of diameter thickness greater than 2.5 mm. solid objects exceeding 2.5 mm in diameter.	Water falling as a spray at an angle up to 60° from the vertical shall have no harmful effect.
4	Wires or strips of thickness greater than 1,0 mm. Solid objects exceeding 1,0 mm diameter.	Water splashed against the enclosure from any direction shall have no harmful effect.
5	Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the equipment.	Water projected by a nozzle against the enclosure from any direction shall have no harmful effect.
6	No ingress of dust.	Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.
7		Ingress of water in a harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time.
8		The equipment is suitable for continuous submersion in water under conditions which shall be specified by the manufacturer.



Class I: Light fixture with earth connector or terminal
 Class II: Light fixture with double insulation or reinforced insulation
 Class III: Protection is assured by the presence of a safety extra low voltage (SELV) not exceeding 50V
 F marking: Suitable for installation on normally flammable surface

Symbols



Resistance to static load, torque and shear loads. In compliance with CEI EN 60598-2-3 standards.

Glow wire test IEC 60695-2-10:
 The glow wire test is used to simulate the effect of heat as may arise in malfunctioning electrical equipment, such as with overloaded or arcing components (specified temperature).

Advice on installation or recessed luminaires:
 It is important to provide a consistent gravel layer or drain system to ensure good drainage and to avoid water stagnation. The luminaire must not be installed in hollow surfaces.

Light pollution:
 Cutoff luminaire reducing the escaping of light above the plane of the horizontal.

Electric connection:
 Wiring through a cable input, through two cable inputs or through a feeding transformer installed on remote position (to be ordered separately).

Surface installation on wall, on ground or on ceiling.
 Installation on pole.
 In-ground installation (recessed luminaire).

Diffuser temperature according to CEI EN 60598-2-13 annex A (Informative) guide to good installation practice - all accessible areas $t < 80^{\circ}$.

Resistance to external mechanical impacts:
 IK code refers to the maximum external impact the luminaire is capable to withstand, without irreversible damage. In compliance with EN50102 standards.

IK code	Impact Energy (Joule)	Mass/Height
IK00	0	----
IK01	0,15	0,2Kg/70mm
IK02	0,20	0,2Kg/100mm
IK03	0,35	0,2Kg/175mm
IK04	0,50	0,2Kg/250mm
IK05	0,70	0,2Kg/350mm
IK06	1,00	0,5Kg/200mm
IK07	2,00	0,5Kg/400mm
IK08	5,00	1,7Kg/295mm
IK09	10,00	5,0Kg/200mm
IK10	20,00	5,0Kg/400mm

IK Degrees of Protection

The Mission: Truly Italian

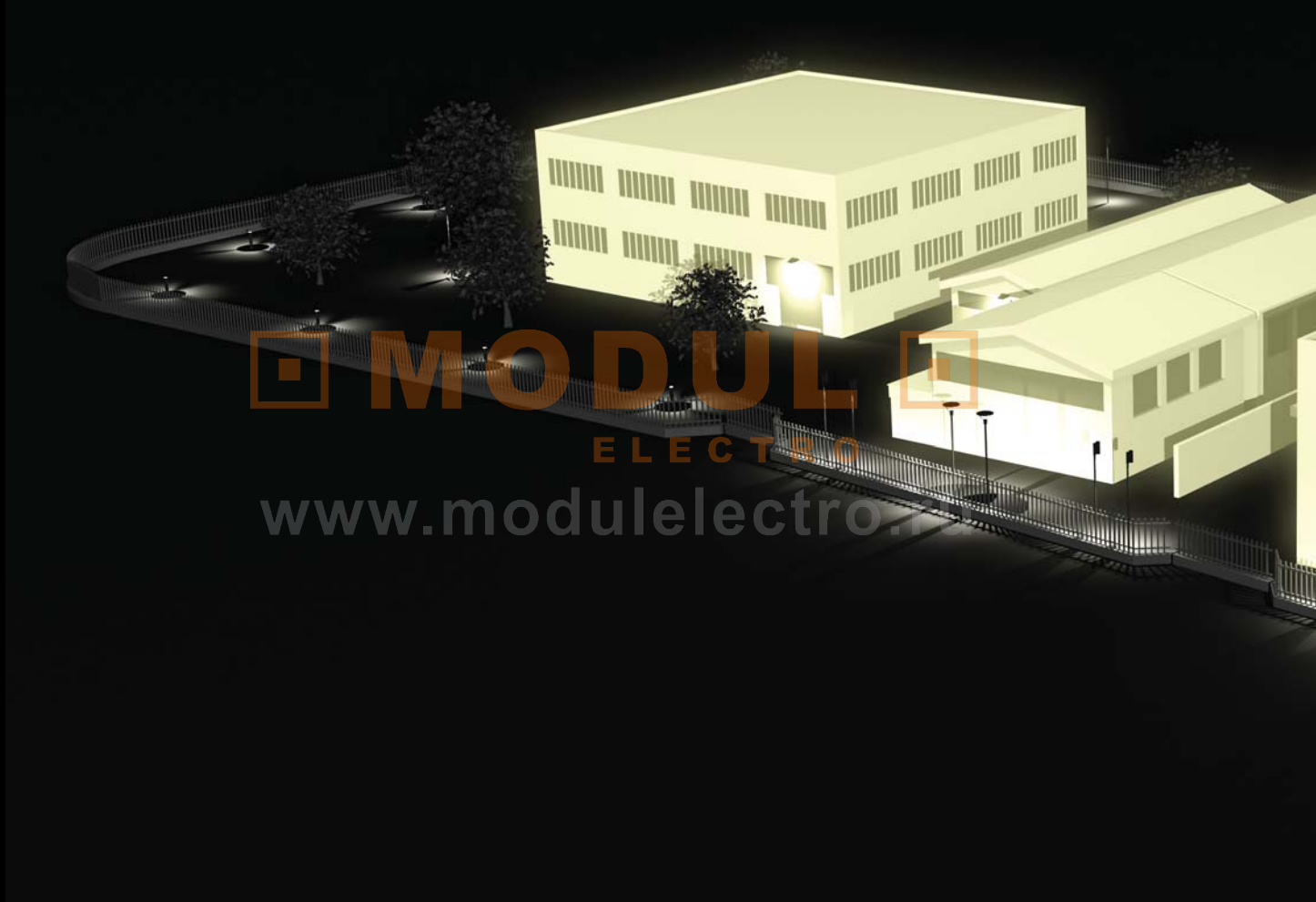
100% Truly Italian: foundry, varnishing, assembling, quality tests.

From the very beginning Ares offers its customers a product marked "Truly Italian", a motto that fully expresses the high-quality purpose of the company: reliable production methods, great creativity and impressive style.

By saying "Truly Italian" we can proudly state that the whole production procedure takes place under our direct check: products engineering lighting design, quality laboratory tests, aluminium die-casting, polyester-powder coating and assembly.

Ares HQ (800 mq offices) is placed in Bernareggio, Milan, ITALY. Warehouse and production, laboratories and varnishing activities cover more than 10.000 mq. A new warehouse Area, covering 2500 mq, was built at the beginning of 2009.

During the last few years two new companies were born as extensions and support to Ares: Ares Italia in 2004 and Ares Iberica in 2009.



Electronic Ballast

Low energy consumption and longer-lasting lamps.

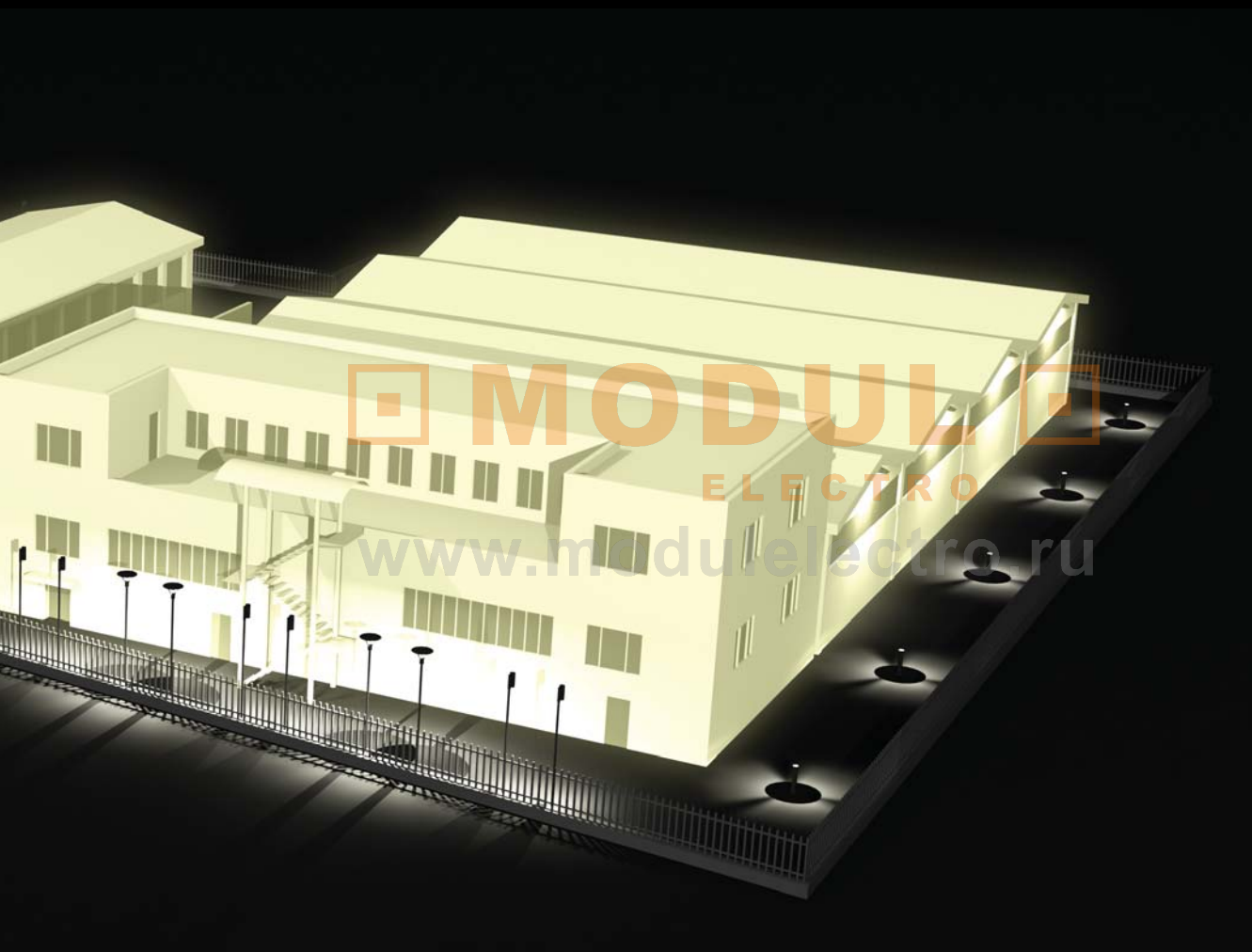
The use of electronic ballasts in fluorescence luminaires extends the average life of lamps and guarantees a superior stability of the luminous flux. Compared to electromechanical ballasts, electronic ballasts have lower power losses and therefore are Energy Class A devices. A lower power loss means an environmentally friendly device.



Pre-wired luminaires

Pre-wired luminaires for an efficient and easy-to-make connection to the mains supply.

Ground recessed luminaires are now supplied with a pre-assembled piece of neoprene or silicone cable (RN-F, SS-F), this will help reduce watertightness problems due to inaccurate installation (wrong cable type or fastening – too tight/too loose). Wiring is now through dedicated connectors (codes 75 and 76) available as accessories.



Stainless Steel AISI 316L

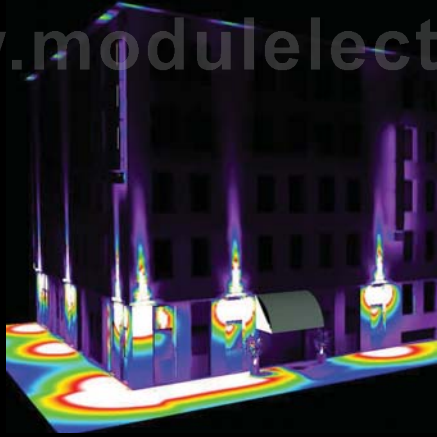
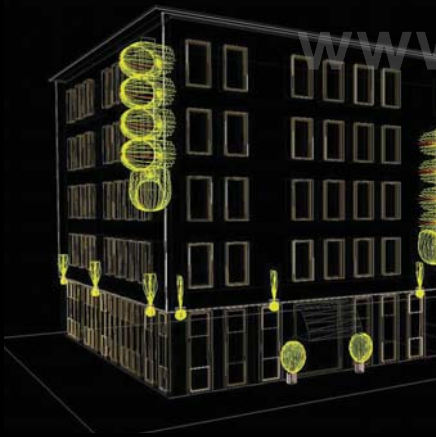
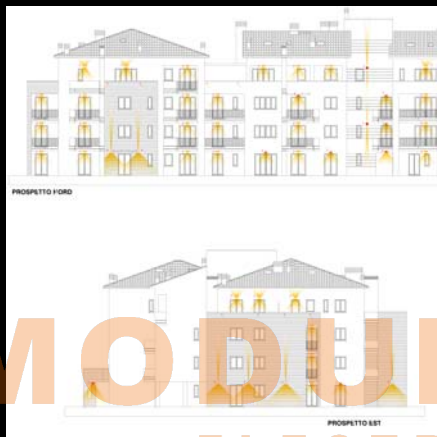
All Ares recessed luminaires have a Stainless Steel AISI 316L frame.

Stainless Steel AISI 316L is a standard in nautical applications because of its great resistance to extreme weather conditions and corrosion due to sea salt, that is why Ares decided to use this material to produce the frame of recessed luminaires

Lighting design experience

To light a setting is often synonym with reinvent the area, outline volumes and shapes, emphasise the game of lights and shades like in a chiaroscuro, that is why we entrust the design and engineering of luminaires to a skilled staff able to gather every single facet of a project and suggest the most suitable solution.

Ares Lighting Department can rely on dedicated software to recreate faithfully the lighting of a range of settings and to calculate and verify with high precision all the factors that intervene in the lighting of outdoor areas - in compliance with the latest regulations. Thanks to a wide database of photometric data, our designers are also able to publish a lifelike final render of the project.



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Colors

The range of finish colours we offer will help you meet any stylistic need in the most various installation settings.



cod.1 WHITE



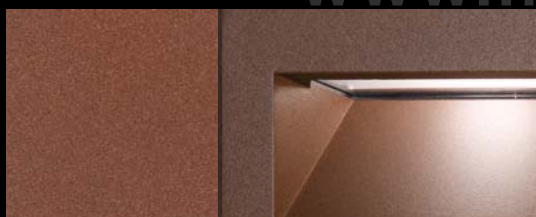
cod.2 ALUMINIUM



cod.3 ANTHRACITE



cod.4 BLACK



cod.9 RUST-RED

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New Alloy

Low copper content for a high resistance to corrosion.

The EN AB/44300 Aluminium alloy with a low copper content guarantees a high protection and resistance to corrosion. Long lasting luminaires for the most demanding installation settings.

RUST-RED cod.9

Powder coating finishes, specifically formulated for use on architectural metal components. Coatings give excellent exterior durability and colour retention and conform to the requirements of all the major European architectural finishing standards. Powders are lead-free and meet the requirements of GSB, Qualicoat Class1, and EN 12206 (formerly BS6496), BS6497:1984



POWDER PROPERTIES

Chemical type: Polyester

Film Thickness: 70-80 microns

CORROSION TESTS

Salt Spray

ISO 7253

Pass at 1000 hours - no corrosion area more than 2mm from scribe

Acetic Acid Salt Spray

ISO 9227

Pass at 1000 hours - 16mm^2 corrosion/10cm

WEATHERING TESTS

Exterior Durability

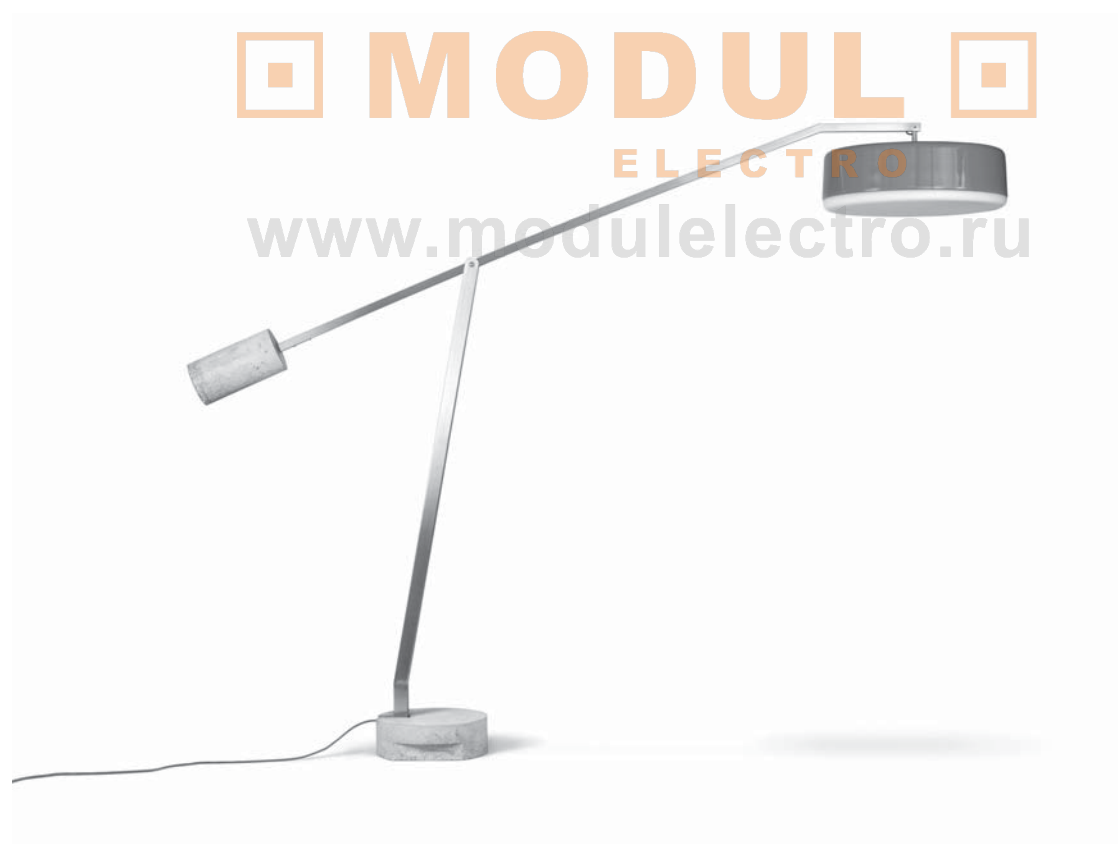
ISO2810 (Florida 12 months 5° South)

>50% Gloss retention. Colour retention in accordance with GSB or Qualicoat. Chalking - none in excess of minimum in ASTM D659:1980



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Greta: a fascinating game of refined and roundish shapes, lines and curves, lights and shadows, a great harmony conveying a feeling of strength and impressiveness. A shiny star over a lovely table in the garden, in a restaurant, at a seaside dining room, under a veranda or in indoor dining halls. A big emitting disc for a soft effective lighting





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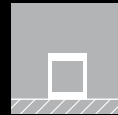


Greta

IP65  

Description

Outdoor/indoor floor lamp. Configuration: vibrated-concrete footing and balance-weight, polished stainless steel square stem, white sandblasted polypropylene emitting unit with turned, painted aluminium cover and plastic handle for an easy adjustment of the emitting unit.



Floor lamp

Versions Available

Finish colours: yellow, red, green, blue, rust, white, black, orange (limited edition)



The fitting is equipped with 1 cable input

Light Sources

TC-TSE 3x23Wmax/230V E27

Dimensions

Height: 2380mm

Length: 2660mm


Technical Features

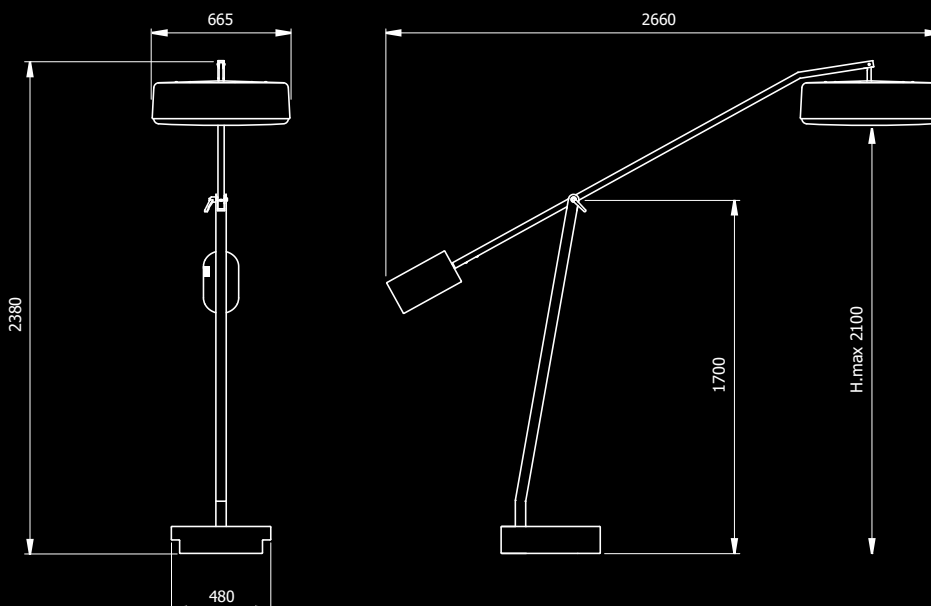
Protection Rating: IP65 • In compliance with EN 60598-1 standards

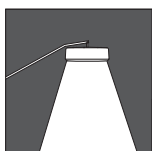
Class of insulation: I

Installation

The luminaire is equipped with 15m of orange three-pole cable.


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11073101 SNOW
TC-TSE 3x23Wmax/230V E27



11073104 NIGHT
TC-TSE 3x23Wmax/230V E27



11073107 LAND
TC-TSE 3x23Wmax/230V E27



11073103 FIRE
TC-TSE 3x23Wmax/230V E27



11073102 SUN
TC-TSE 3x23Wmax/230V E27



11073105 WOOD
TC-TSE 3x23Wmax/230V E27



11073106 SEA
TC-TSE 3x23Wmax/230V E27



11073108 ORANGE L.E.
TC-TSE 3x23Wmax/230V E27



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g r e t a



certificate of originality

name greta limited edition

dimensions size mobil arm 2660 mm . height 2380 mm . footing diameter 480 mm

materials vibrated concrete footing and counter-weight . polished stainless steel stem square section
orange coated turned-aluminium cover . white sandblasted polypropylene emitting unit
orange steel handle for the adjustment of the emitting unit . 15 m feeding cable orange colour

light source TC-TSE 3x23W max / 230V E27

technical features protection rating IP65 in compliance with EN 60598-1 standards . class of insulation I

design Gigetto

technical producer Ares concept . technical manager Eng.Davide Cavalli

debut 22 . april . 2009 . EuroLuce 09 . Milan



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l i m i t e d
e d i t i o n
e u r o l u c e 0 9

unique piece numbering

_____/99

mentioned on the plate fixed to the stem of the luminaire

the numbering certifies the originality of the luminaire
as unique piece from Ares S.r.l. collection

Bernareggio, _____

signature _____

copyright © 2009 by Ares S.r.l.

l i m i t e d g r e t a
e u r o l u



0 1 / 9 9 e d i t i o n
c e 2 0 0 9

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Ares reinvents the traditional indoor floor lamp for the lighting and decoration of outdoor living rooms. Elegant and versatile with a soft but effective emission Ginevra is the best solution to light your summer nights.

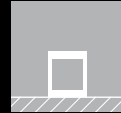


Ginevra

IP65  

Description

Outdoor/Indoor floor lamp. Configuration: vibrated and sandblasted concrete footing, extruded aluminium round stem and white, sandblasted polypropylene diffuser for an perfect light emission.



Floor lamp

Light Sources

QT32 100Wmax/230V E27

HIT 35W/220-240V G12 electronic ballast



The fitting is equipped with 1 cable input

Dimensions

Height: 2000mm

Diameter: Ø500mm

Technical Features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

The luminaire is equipped with 15m of orange three-pole cable.

Colours Available



.1 white



.2 aluminium





.3 anthracite

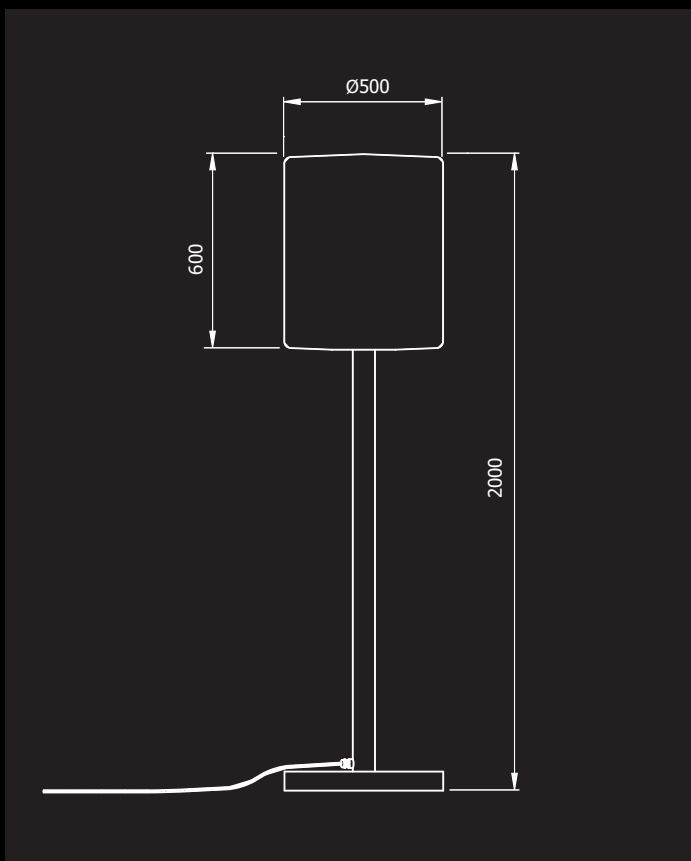


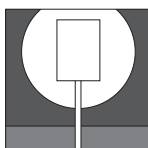
.4 black



.9 rust-red

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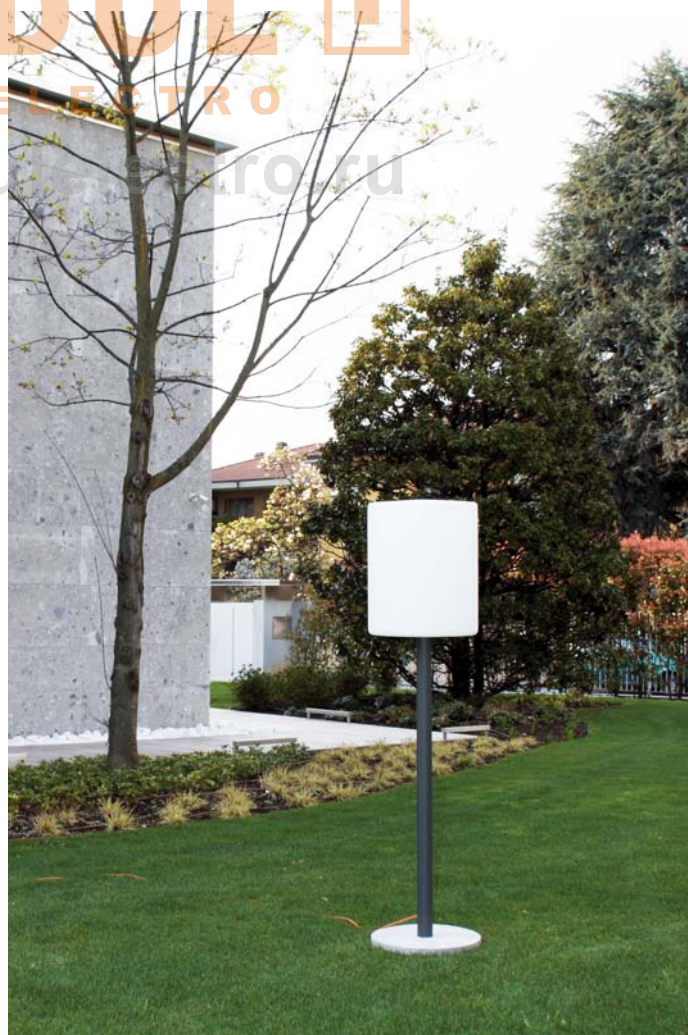
1110100
QT32 100Wmax/230V E27

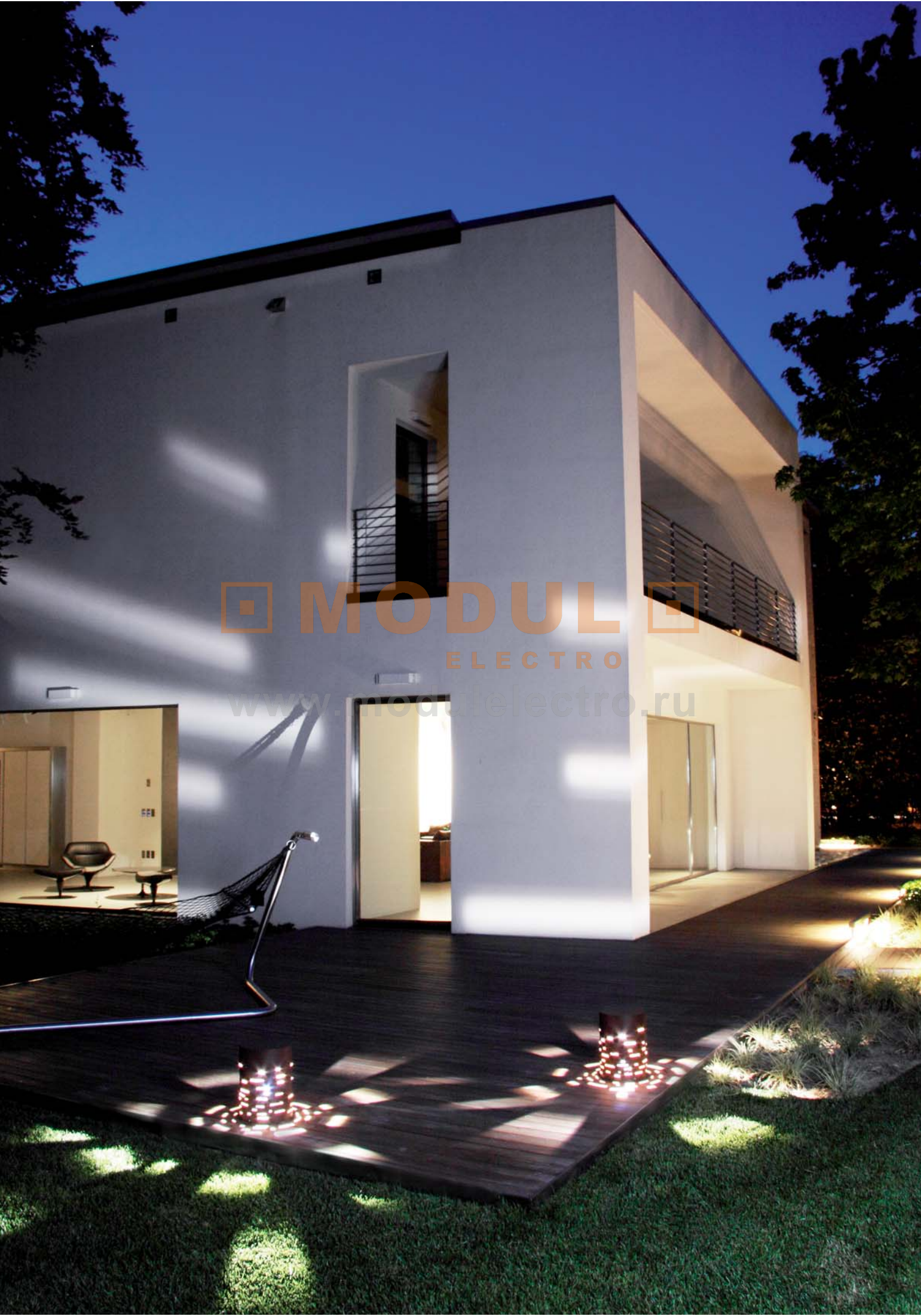




1113500
HIT 35W/220-240V G12
Electronic ballast



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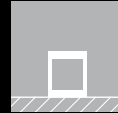
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Zhora is specially designed to create fascinating light effects and to decorate with asymmetric tiles of light the most various settings. When turned off it becomes a small post or seat.

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Description

Outdoor/indoor floor lamp. Configuration: cylindrical steel body coated with polyester powder after chromium-phosphate conversion coating pre-treatment. The light source is housed in a sealed IP65 plastic container.



Bollard light

Light Sources

QT 32 60Wmax/230V E27
HIT 20W/230V G8,5



The fitting is equipped with 1 cable input

Dimensions

Height: 350mm
Diameter: Ø250mm


Technical Features


Protection Rating: IP65 • In compliance with EN 60598-1 standards
Class of insulation: I

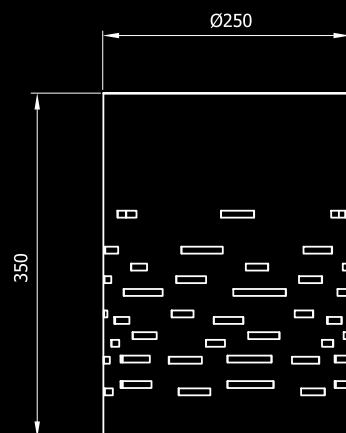
Installation

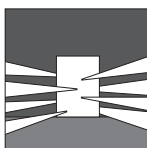
The luminaire is fixed to the ground by a fixing plate. Wiring through M16 plastic cable gland for $\varnothing < 10\text{mm}$ cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours Available

 .1 white  .2 aluminium  .3 anthracite  .4 black  .9 rust-red


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1120100
QT32 60Wmax/230V E27



1126600
HIT 20W/230V G8,5
Electronic ballast



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Cesarina led is a recessed luminaire for installation on wall, pavement and ceiling. The reduced dimensions, the PPS structure with stainless steel frame and the high degree of protection (IP67) make it suitable for the most extreme installation settings. Another strength of this already effective spot-light is the presence of a high-performance led module/1W.

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Description

Recessed luminaire for outdoor installation on ground, wall and ceiling. Configuration: PPS plastic structure with AISI 316 stainless steel ring, acrylic diffuser lens (4 colours available), silicone gasket. The installation kit consists of a piece of bipolar cable already connected to the luminaire, a dedicated box for installation and a pair of springs for installation on plaster surfaces.

Versions Available

Luminaire with installation kit: PPS plastic structure with AISI 316 stainless steel ring, silicone gasket, four acrylic diffuser lenses (white, blue, green and red), box for installation on solid surfaces, springs for installation on plaster surfaces or on 10-20mm thick boards.

Light Sources

1-led module 1W/constant current 350mA
Accessory on request: constant current 350mA power supply

Dimensions

Round frame: 40mm
Recessing depth: 62mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards
Class of insulation: III

Installation

The luminaire is already equipped with a piece of bipolar cable for an easy-to-make connection. The only connection allowed is "in series". The only power supply allowed is a constant current I=350mA electronic power supply (up to 8 luminaires each)

Colours Available



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 20 cm.



Recessed wall fitting



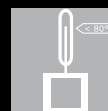
Recessed ceiling fitting



The fitting is equipped with 1 cable input



The feeding transformer (I out 350 mA) for low voltage must be installed on remote position.



According to CEI EN 60598-2-13

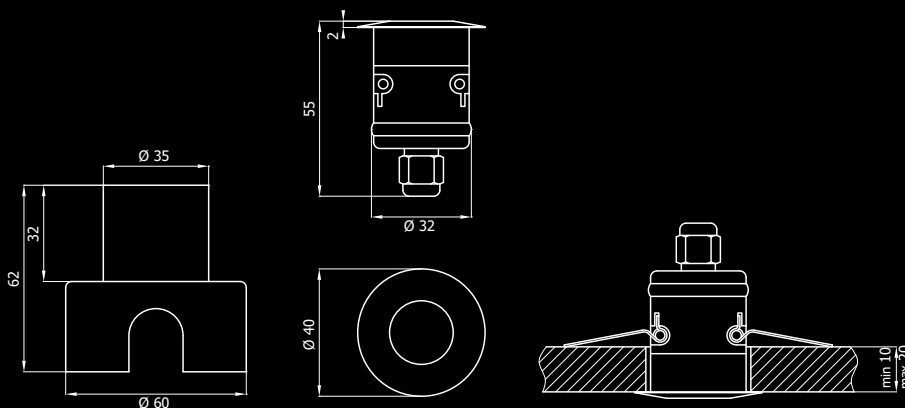


Maximum carriageable weight: 2000 Kg - 20 Km/h



Protection against impact.

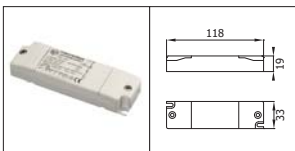
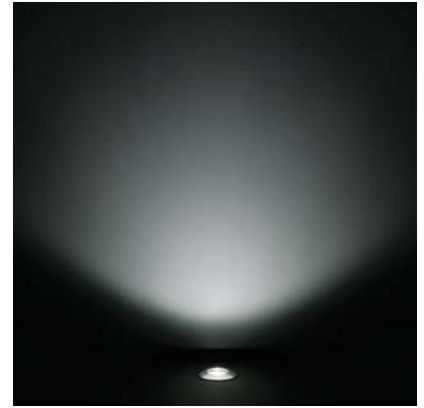
IK 09 - 10,00 joule



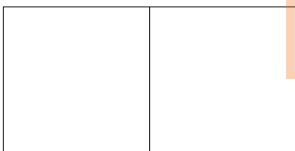
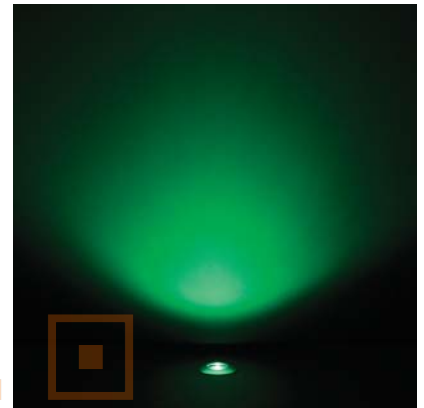
MODULE ELECTRO
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928600
 1WHITE LED 1x1W/constant current
 350mA
 Remote transformer to be ordered
 T 30°C < 80°C



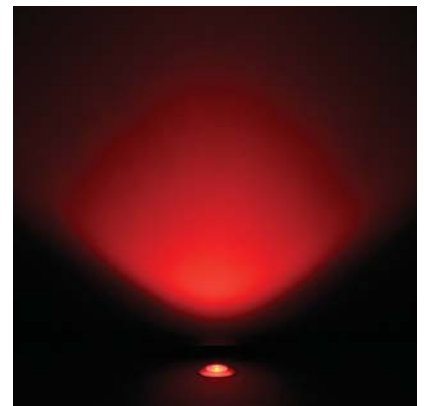
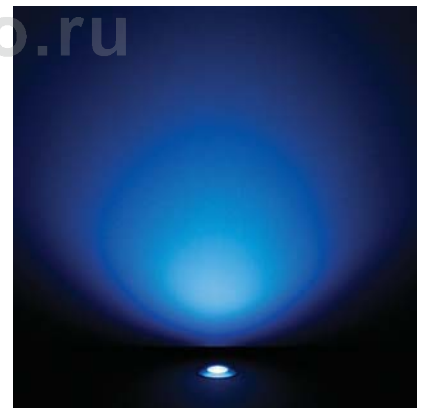
68
 ELECTRONIC POWER SUPPLY
 100-265V - I out 350 mA
 8x1W(7x1@110V) IP40 CLASS II



129
 DIMMABLE ELECTRONIC POWER
 SUPPLY
 110-240V - I out 350 mA 16x1W
 IP20 PUSH DIM or 1-10V CLASS II

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Tapioca led is a recessed luminaire available in different layouts and dimensions offering the designer the chance to create endless lighting solutions to call attention to various architectural elements and details. Its small dimensions allow installation in almost every setting.

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Description

Recessed luminaire for outdoor installation on wall or pavement. Configuration: die-cast aluminium structure available in round and square version. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment. The luminaire is composed of a wiring unit connected to an emitting unit with different designs: only glass – round and square; anodized aluminium frame – only round. The glass is fixed to the aluminium structure through a robotic gluing system. Tapioca is capable of withstanding light vehicular traffic.

Versions Available

Emitting unit designs:

Only glass: round and square version – 40mm and 70mm

Anodized aluminium frame: round version only – 55mm and 90mm

Light emission: wide beam lens 30° for 70 and 90mm version, 40° for 40 and 55mm version

Light sources

40/55mm version: 1W/24V DC led module (cool-white 6000 K, warm-white 3000 K, and blue 475nm)* power consumption: 3,6W

70/90mm version: 3x1W/24V DC led module (cool-white 6000 K, warm-white 3000 K, and blue 475nm)* power consumption: 4W

* Remote power supply to be ordered separately

Accessories on request: 220-240V/24V DC 10W power supply

220-240V/24V DC 20W power supply

230-240V/24V DC 70W power supply

Dimensions

Only glass version*: 40mm _ Recessing depth including box for installation: 90mm

70mm _ Recessing depth including box for installation: 110mm

* the glass is flush with the installation surface

Anodized aluminium version: Ø 55mm or 90mm

Technical features

Protection rating: IP67 in compliance with EN 60598-1

Class of insulation: led module with remote 24V DC power supply: III

Installation

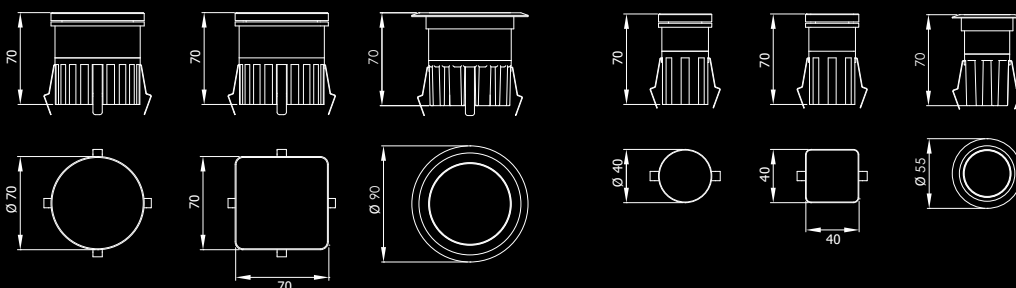
Tapioca is equipped with a highly efficient resin-coated converter PWM (Pulse Wide Modulation) that guarantees the right power supply to the led module, removes electromagnetic interference and allows parallel wiring. Feeding tension must be included between 15 and 24V DC, any other supply will irretrievably damage the led module. Tapioca is protected against polarity reversal (the luminaire does not switch on) and it is equipped with a piece of cable for an easy-to-make connection (please provide effective insulation on the connection). The luminaire is equipped with fixing springs to be locked up to a dedicated "box for installation" (to be ordered separately). For ground installation it is important to provide a proper gravel layer or drain system (>200mm) to ensure good drainage and to avoid water stagnation.

Accessory: plastic box for installation.

Colours Available



.8 anodized aluminium



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - >20 cm.



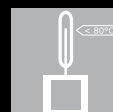
Recessed wall fitting



The fitting is equipped with 1 cable input



The electronic power supply must be installed on remote position



According to CEI EN 60598-2-13

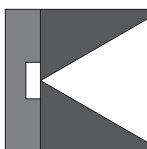
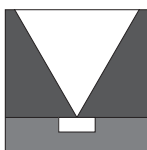


Maximum carriageable weight: 2500 Kg - 20 Km/h



Protection against impact.

IK 08 - 5,00 joule
IK 06 - 1,00 joule*
*(only version ø55mm)



NARROW BEAM 10° ON REQUEST

Ø 40 ONLY GLASS

1008840

1 COOL WHITE LED 1x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



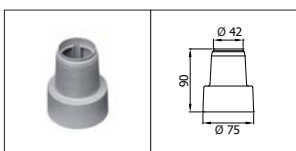
1008940

1 WARM WHITE LED 1x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



1009040

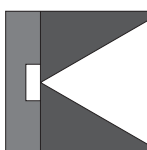
1 BLUE LED 1x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



98
BOX FOR INSTALLATION
Ø 75 H 90 mm

MODULO ELECTRO

Ø 55 ANODIZED ALUMINIUM FRAME



NARROW BEAM 10° ON REQUEST

1008800

1 COOL WHITE LED 1x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



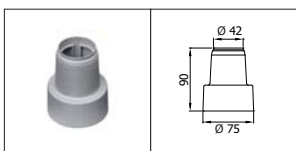
1008900

1 WARM WHITE LED 1x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



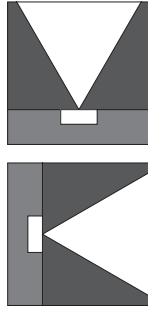
1009000

1 BLUE LED 1x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



98
BOX FOR INSTALLATION
Ø 75 H 90 mm

TAPIOCA led



Ø 70 ONLY GLASS

1007340

3 COOL WHITE LED 3x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



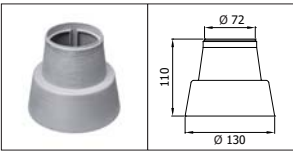
1005640

3 WARM WHITE LED 3x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



1007540

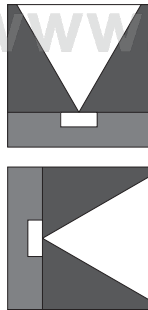
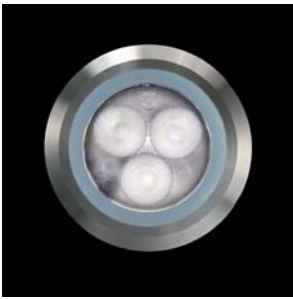
3 BLUE LED 3x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



101
BOX FOR INSTALLATION
Ø 130 H 110 mm

MODULO ELECTRO

Ø 90 ANODIZED ALUMINIUM FRAME



1007327

3 COOL WHITE LED 3x1W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



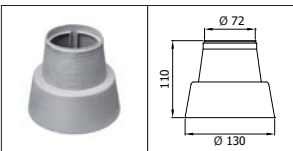
1005627

3 WARM WHITE LED 3x1W//24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C

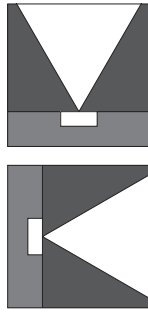
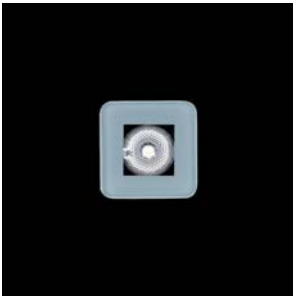


1007527

3 BLUE LED 3x1W//24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



101
BOX FOR INSTALLATION
Ø 130 H 110 mm



NARROW BEAM 10° ON REQUEST

40x40 ONLY GLASS

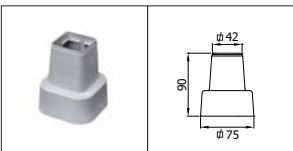
1008841
 1 COOL WHITE LED 1x1W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



1008941
 1 WARM WHITE LED 1x1W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C

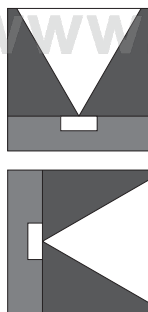


1009041
 1 BLUE LED 1x1W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



99
 BOX FOR INSTALLATION
 75 x 75 H 90 mm

MODULO ELECTRO



NARROW BEAM 10° ON REQUEST

70x70 ONLY GLASS

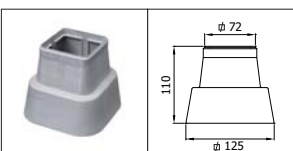
1007341
 3 COOL WHITE LED 3x1W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



1005641
 3 WARM WHITE LED 3x1W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



1007541
 3 BLUE LED 3x1W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



102
 BOX FOR INSTALLATION
 125 x 125 H 110 mm

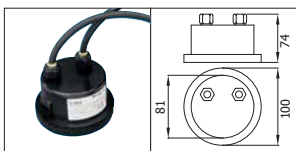
TAPIOCA led



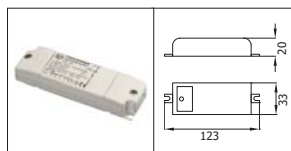
75
3 way terminal
block 3 poles
IP 68



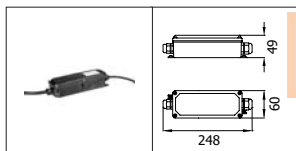
76
2 way terminal
block 3 poles
IP 68



86
POWER SUPPLY FOR LED MODULE
220/240V 20W/24V d.c. IP68
Electronic power supply



87
POWER SUPPLY FOR LED MODULE
220/240V 10W 24Vd.c.
Electronic power supply



110
POWER SUPPLY FOR LED MODULE
230/240V 70W 24V d.c. IP67

MODULE
ELECTRO
www.modulelectro.ru

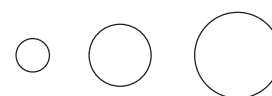


 **MODUL** 
ELECTRO

www.modulelectro.com







Altea family is composed of round recessed light fixtures (three sizes available) finished with a stainless steel frame making it suitable for most installation settings, outdoor as well as indoor. The wide range of available light sources allows the creation of discreet yet effective lighting solutions, without any glare effect.

MODULO
ELECTRO
www.modulelectro.ru



Description

Round recessed luminaire for outdoor installation on wall and ground. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with stainless steel finish frame, tempered sandblasted or transparent glass and moulded silicone gasket.

Versions Available

Diameter and Diffuser:

- Ø 70mm – sandblasted glass (VS)
- Ø 130mm – sandblasted glass (VS) – transparent glass (VT) on request
- Ø 180mm with – sandblasted glass (VS)

Light Sources

Version 70:

20W/12V QT9 G4 halogen lamp

Version 130:

50W/12V QRCBC51 GU5,3 dichroic lamp (remote transformer to be ordered separately)

50W/230V PAR16 GZ10 dichroic lamp

Version 180:

60W/230V QT14 G9 halogen lamp

7/9/13W/230V T2 Gx53 compact fluorescent lamp

5W/100-240V led module (cool-white 6000 K, warm-white 3000 K, and blue 475nm)

(transformer integrated into the module)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Finish frame: Ø 70mm - Recessing depth (including box for installation): 80mm

Finish frame: Ø 130mm - Recessing depth (including box for installation): 130mm

Finish frame: Ø 180mm - Recessing depth (including box for installation): 80mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: mains tension: I • low tension: III

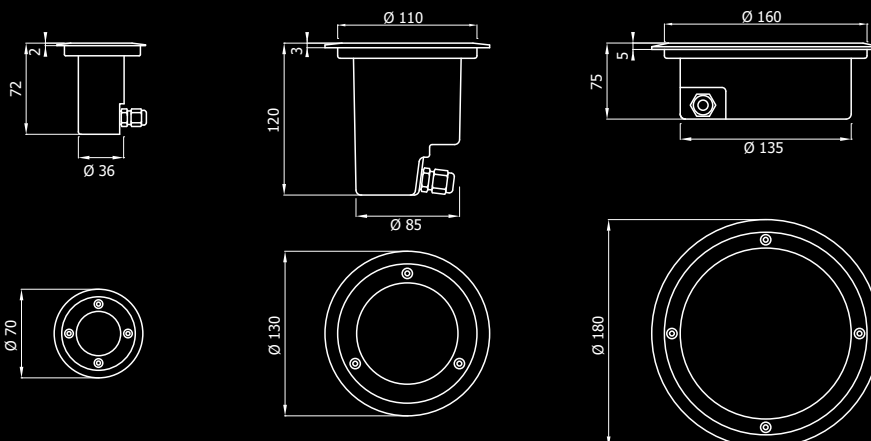
Installation

Version 70: M12 plastic cable gland (Ø <6,5mm cables). Version 130: M16 plastic cable gland (Ø <10mm cables). Version 180: M20 plastic cable gland (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >300mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

.0 inox



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



Recessed wall fitting



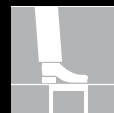
The fitting is equipped with 1 cable input



The feeding transformer (230V/12V) for low voltage must be installed on remote position.



Maximum load (vehicular traffic): for Ø 70 and Ø 130 2000 Kg - 20 Km/h

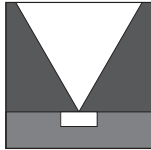


Maximum load (pedestrian traffic): only for Ø 180 500 Kg

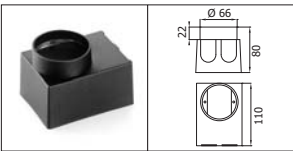
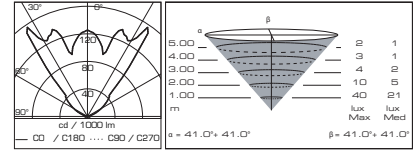


Protection against impact.

IK 09 - 10,0 joule



Ø 70
012627
 QT9 20W/12V G4
 Remote transformer to be ordered
 T 140°C

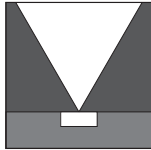


19
 BOX FOR INSTALLATION
 110 x 80 H 80 mm

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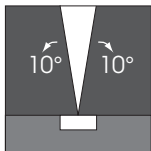
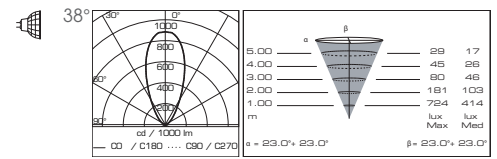
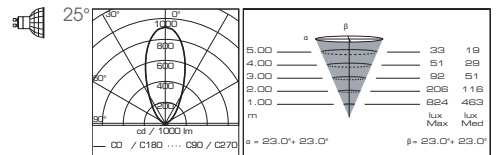


ALTEA



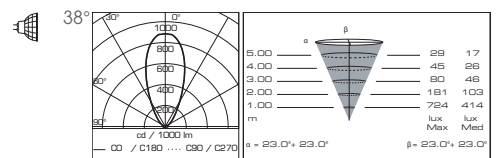
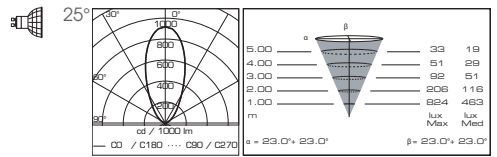
Ø 130
012828
 PAR 16 50W/230V GZ10
 T 180°C

013328
 QR CBC 51 50W/12V GU5,3
 Remote transformer to be ordered
 T 180°C

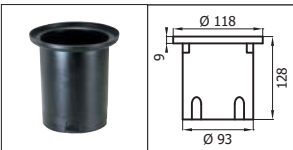


012815
 PAR 16 50W/230V GZ10
 T 180°C

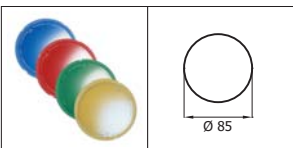
013315
 QR CBC 51 50W/12V GU5,3
 Remote transformer to be ordered
 T 180°C



MODULO ELECTRO



20
 BOX FOR INSTALLATION
 Ø 118 H 128 mm

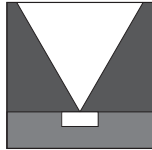


FOR CODE

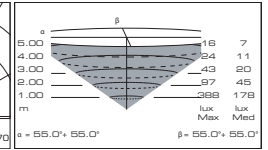
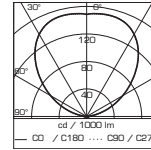
012828
 013328
 013315
 012815

DICHROIC FILTER

51.5	51.6	51.7	51.8
yellow	green	red	blue

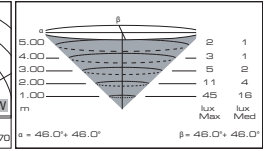
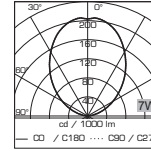


Ø 180
012729
QT14 60W/230V G9



MARROW BEAM 10° ON REQUEST

011029
MICRO-LINX
T2 7-9-13W/230V GX53



led

0110329
5 COOL WHITE LED 5x1W/100-240V
Electronic power supply included
T 40° < 80°C



0110429
5 WARM WHITE LED 5x1W/100-240V
Electronic power supply included
T 40° < 80°C

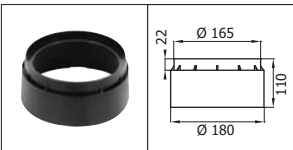


0110529
5 BLUE LED 5x1W/100-240V
Electronic power supply included
T 40° < 80°C



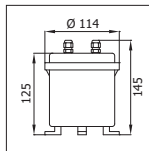
MODULO ELECTRO

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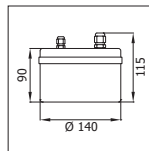


15
BOX FOR INSTALLATION
Ø 167s/180i H 80 mm

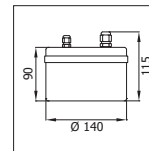
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66



75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68



Clio is a round recessed light fixture with a die-cast aluminium body and a range of aluminium frames of different design. Clio can be installed on wall as well as on ground to trace walkways and, thanks to the five finish colours available, it matches every environment and setting.

MODULO
ELECTRO
www.modulelectro.ru



Description

Round recessed luminaire for outdoor installation on wall and ground. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated aluminium finish frame, tempered sandblasted or transparent glass and moulded silicone gasket.

Versions Available

Finish frames design: • Border frame • Directional louvre • Visor • Three windows

Optics: border frame version is available with both fixed symmetric and adjustable (+/-10° horizontal adjustment) optics

Diffuser: sandblasted glass (VS) – transparent glass (VT) on request

Light Source

50W/12V QRCBC 51 dichroic lamp (remote transformer to be ordered separately)

50W PAR 16 dichroic lamp

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Border frame: • finish frame: Ø 120mm (standard) • recessing depth (including box for growing): 130mm (standard)

Directional Louvre convexity: 12mm

Visor convexity: 40mm

Three windows convexity: 16mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

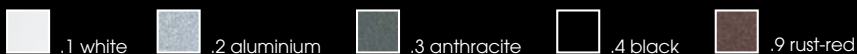
Class of insulation: mains tension: I • low tension: III

Installation

Wiring through a M16 plastic cable gland for Ø <10mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >300mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



Recessed wall fitting



The fitting is equipped with 1 cable input



The feeding transformer (230V/12V) for low voltage must be installed on remote position.

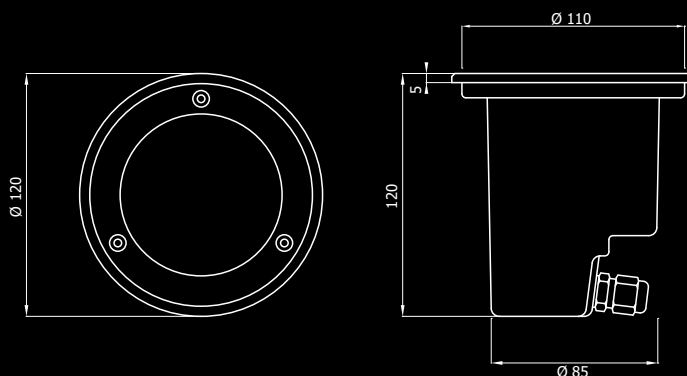


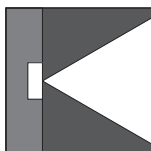
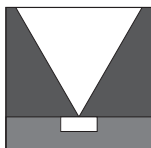
Maximum load (vehicular traffic): 2000 Kg - 20 Km/h



Protection against impact.

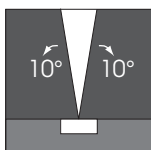
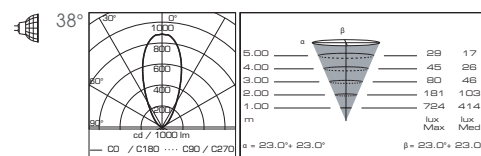
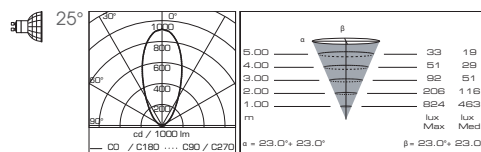
IK 09 - 10,00 joule





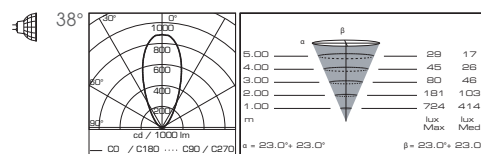
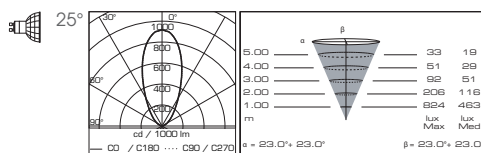
032823
PAR 16 50W/230V GZ10
T 180°C

033323
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 180°C



032815
PAR 16 50W/230V GZ10
T 180°C

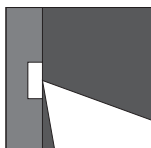
033315
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 180°C



MODULO
ELECTRO
www.modulelectro.ru



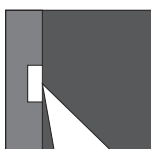
CLIO



DIRECTIONAL LOUVRE
032805
PAR 16 50W/230V GZ10
T 180°C



033305
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 180°C



VISOR
032807
PAR 16 50W/230V GZ10
T 180°C

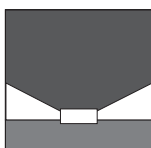


033307
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 180°C



MODULE
ELECTRO

www.modulelectro.ru

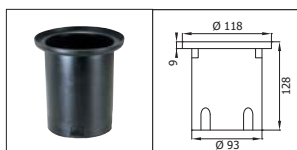


THREE WINDOWS
032803
PAR 16 50W/230V GZ10
T 180°C



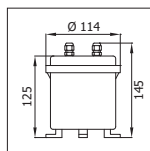
033303
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 180°C



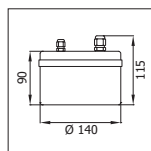


20
BOX FOR INSTALLATION
Ø 118 H 128 mm

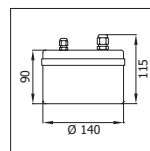
TRANSFORMERS



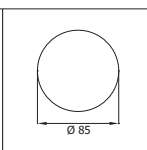
16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66



FOR CODE

032823
033323
033315
032815

DICHROIC FILTER

51.5
yellow

51.6
green

51.7
red

51.8
blue

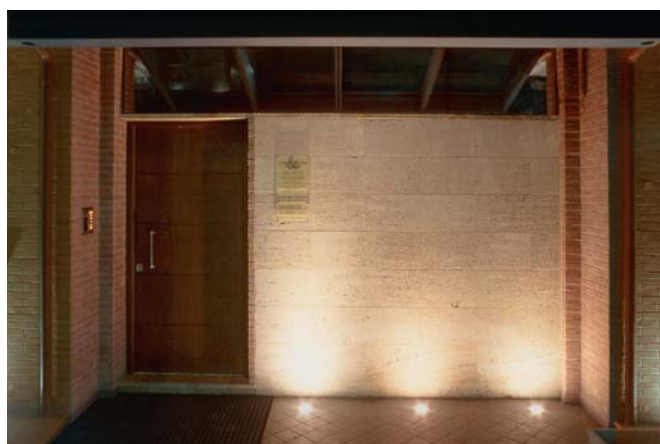


75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68

MODULO
ELECTRO
www.modulelectro.ru





MODUL
ELECTRA
www.modulelectra.ru

Manuel and Juanita have been specially designed to work with the electronic compact lamp Micro-Lynx F Gx53 and the new led module technology. The strength of Manuel and Juanita is a low profile nylon structure that, with a recessing depth of 60mm, allows installation on 80mm thick walls.

The wide range of available finish frames further improves the usefulness of a fitting that easily fits every architectural design or project.

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ELECTRO
www.modulelectro.ru



Juanita

IP67

Description

Low-profile recessed luminaire for outdoor installation on ground or wall. Configuration: nylon structure with stainless steel or coated die-cast aluminium (five colours available) finish frame, tempered sandblasted or transparent glass, moulded silicone gasket and stainless steel screws. Juanita is capable of withstanding light vehicular traffic.

Versions available

Diffuser: sandblasted glass (VS) – transparent glass on request (VT)

Finish frame designs:

- "all light"
- "directional louver"
- "visor"
- "three windows"

Light sources

9W T2 GX53 compact fluorescent lamp

3W/24V led module (cool-white 6000 K, warm-white 3000 K, and blue 475nm) (remote transformer to be ordered separately) power consumption: 3,6W

Accessory on request: Compact fluorescent lamp by Philips - 9W 230V GX53

220-240V/24V DC 20W power supply for led module (IP68)

Dimensions

Finish frame: Ø 120mm

Recessing depth (including box for growing) : 70mm

Technical features

Protection Rating: IP67 • in compliance with EN 60598-1

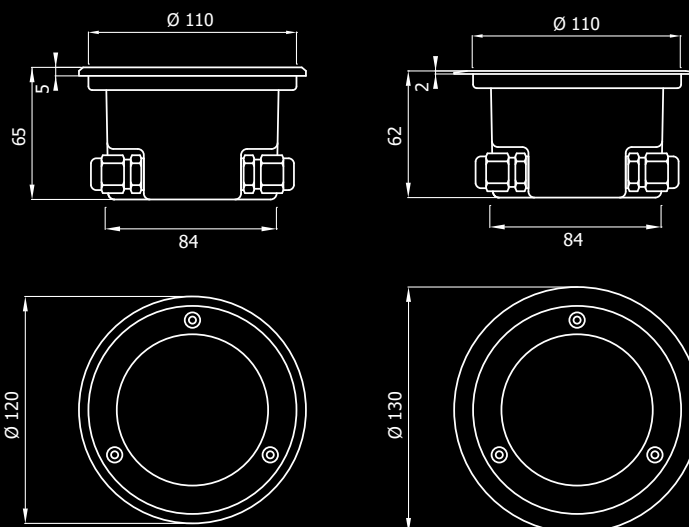
Class of insulation: led module: III • mains tension: II

Installation

Wiring through two M16 plastic cable glands (Ø <10mm cables) placed at two opposite sides of the luminaire. Outdoor use requires suitable flexible cables assuring the water-tightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >300mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: fibreglass-reinforced technopolymer box for installation

Colours Available



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



Recessed wall fitting



The fitting is equipped with 2 cable input



The electronic power supply must be installed on remote position



Maximum load (vehicular traffic): 1500 Kg - 20 Km/h



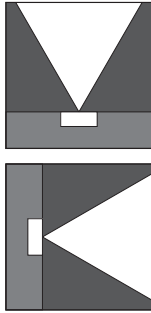
Protection against impact.

IK 09 - 10 ,00 joule



According to CEI EN 60598-2-13

STAINLESS STEEL FRAME



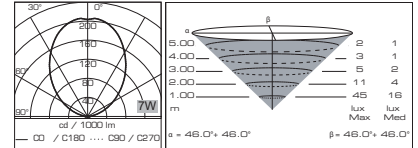
791028
T2 9W/230V Gx53
T 55°C < 80°C

led

797328
3 COOL WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C

795628
3 WARM WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C

797528
3 BLUE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C



3X



3X



3X

ALUMINIUM FRAME



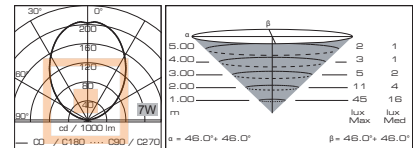
791023
T2 9W/230V Gx53
T 55°C < 80°C

led

797323
3 COOL WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C

795623
3 WARM WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C

797523
3 BLUE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C



3X

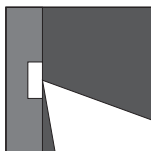


3X



3X

DIRECTIONAL FRAME



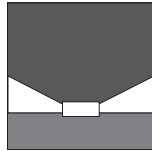
791005
T2 9W/230V Gx53
T 55°C < 80°C



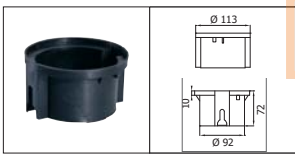
JUANITA



VISOR
791007
T2 9W/230V GX53
T 55°C < 80°C



THREE WINDOWS
791003
T2 9W/230V GX53
T 55°C < 80°C



50
BOX FOR INSTALLATION
Ø 113 H 72 mm

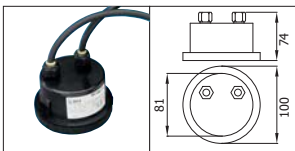
MODULO

ELECTRO

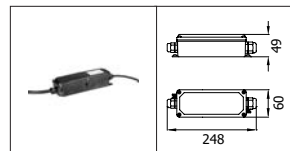
www.modulelectro.ru



56
PHILIPS
9W GX53
Warmwhite Deluxe (2700° K)



86
POWER SUPPLY FOR LED MODULE
220/240V 20W 24V d.c. IP68
Electronic power supply



110
POWER SUPPLY FOR LED MODULE
230/240V 70W 24V d.c. IP67





MODULO
ELECTRO
www.modulelectro.ru

Manuel

IP67

Description

Low-profile recessed luminaire for outdoor installation on ground or wall. Configuration: nylon structure with stainless steel or coated die-cast aluminium (four colours available) finish frame, tempered sandblasted glass, moulded silicone gasket and stainless steel screws. Manuel is capable of withstanding light vehicular traffic.

Versions available

Low-profile structure for installation on ground or wall.

Finish frame:

- stainless steel or coated aluminium (four colours available) finishing

Diffuser:

- sandblasted glass (VS)

Light sources

9W T2 GX53 Compact fluorescent lamp

3 led module (cool-white 6000 K, warm-white 3000 K, and blue 475nm) 3W/24V (electronic power supply to be ordered) power consumption: 3,6W

Accessory on request: Compact fluorescent lamp by Philips 9W 230V GX53

220-240V/24V DC 20W power supply for led module IP68

Dimensions

Finish frame: 120mm side

Recessing depth (including box for installation) : 70mm

Technical features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

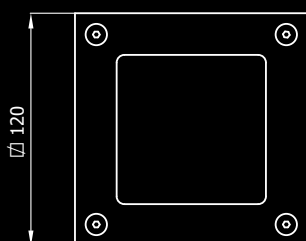
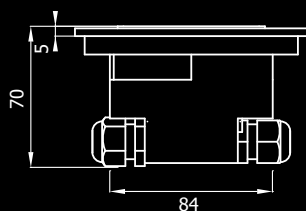
Class of insulation: II • Led version: III

Installation

Wiring through two M16 plastic cable glands ($\varnothing < 10\text{mm}$ cables) placed at two opposite sides of the luminaire. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a $> 300\text{mm}$ gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: fiberglass reinforced technopolymer box for installation

Colours Available



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



Recessed wall fitting



The fitting is equipped with 2 cable input



Maximum load (vehicular traffic): 1500 kg 20 km/h

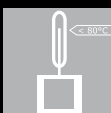


The electronic power supply must be installed on remote position



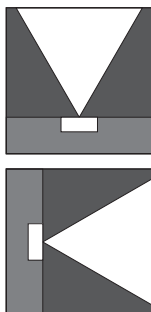
Protection against impact.

IK 09 - 10,00 joule

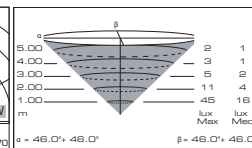
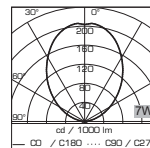


According to CEI EN 60598-2-13

STAINLESS STEEL FRAME



531028
T2 9W/230V GX53
T 55°C < 80°C



led

537328
3 COOL WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C



3X

535628
3 WARM WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C



3X

537528
3 BLUE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C

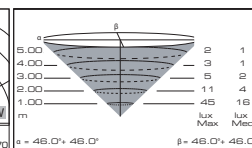
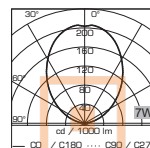


3X

ALUMINIUM FRAME



531023
T2 9W/230V GX53
T 55°C < 80°C



led

537323
3 COOL WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C



3X

535623
3 WARM WHITE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C



3X

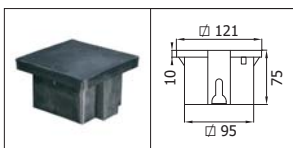
537523
3 BLUE LED 3x1W/24V
Remote electronic power supply to be ordered
T 40°C < 80°C



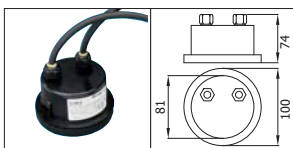
3X



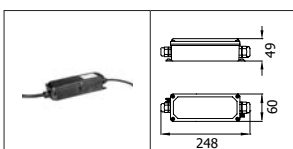
56
MICROLINX PHILIPS LAMP
9W 230V GX53



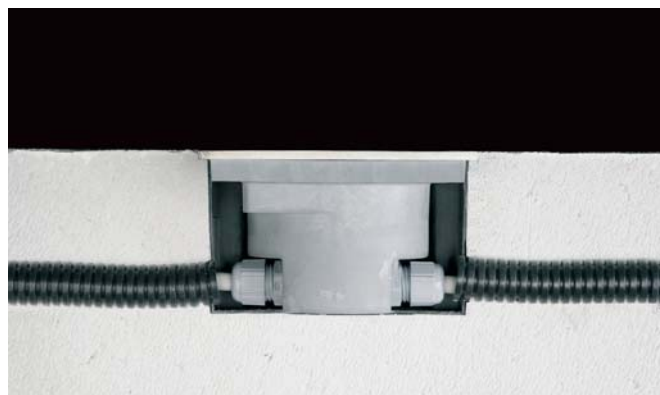
70
BOX FOR INSTALLATION
121 x 121 H 70



86
POWER SUPPLY FOR LED MODULE
220/240V 20W 24V d.c. IP68
Electronic power supply

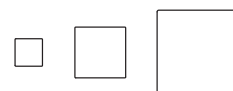


110
POWER SUPPLY FOR LED MODULE
230/240V 70W 24V d.c. IP67







MODULO
ELECTRO
www.modulelectro.ru



Bea family is composed of square recessed light fixtures (three sizes available) that can be equipped with a wide range of effective light sources helping designers create endless lighting solutions to emphasise spaces, facades and architectures. What is more the finish frame is flush with the mounting surface, making Bea a valid element to light walkways and pathways. Bea is a good asset too those who look for creative and original solutions.

 **MODULO** 
ELECTRO
www.modulelectro.ru



Mini Bea

IP67   

Description

Recessed square luminaire for outdoor installation on wall and ground. Thanks to a specially designed box for installation, the finish frame is flush with the mounting surface. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with stainless steel finish frame, tempered sandblasted glass and moulded silicone gasket. Mini Bea is capable of withstanding light vehicular traffic.

Versions Available

65mm side square structure with stainless steel finish frame and sandblasted glass diffuser (VS)

Light Sources

20W/12V Q/T9 G4 halogen lamp (transformer to be ordered separately)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Square frame: 65mm side

Recessing depth (including box for installation): 100mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: halogen lamp: III

Installation

Wiring through a M12 plastic cable gland ($\varnothing < 6,5$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >200mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

 .0 inox



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 20 cm.



Recessed wall fitting



The fitting is equipped with 1 cable input



The feeding transformer (230V/12V) for low voltage must be installed on remote position.

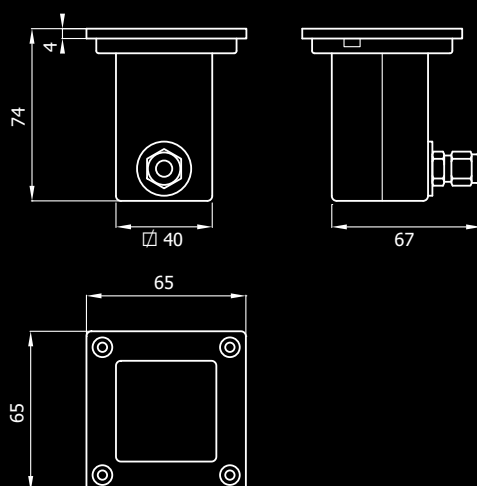


Maximum load (vehicular traffic): 2000 Kg - 20 Km/h

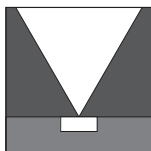


Protection against impact.

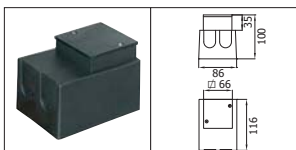
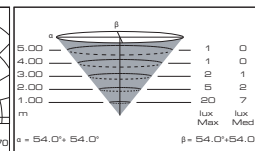
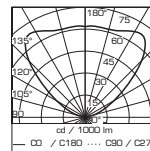
IK 09 - 10,00 joule



www.modulelectro.ru

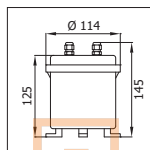


652627
 QT9 20W/12V G4
 Remote transformer to be ordered
 T 140°C

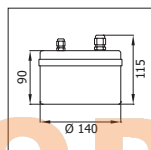


41
 BOX FOR INSTALLATION
 116 x 86 H 100 mm

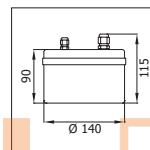
TRANSFORMERS



16
 trasform. 50W
 230V/12V 50Hz
 IP 66



17
 trasform. 200W
 230V/12V 50Hz
 IP 66



18
 trasform. 300W
 230V/12V 50Hz
 IP 66

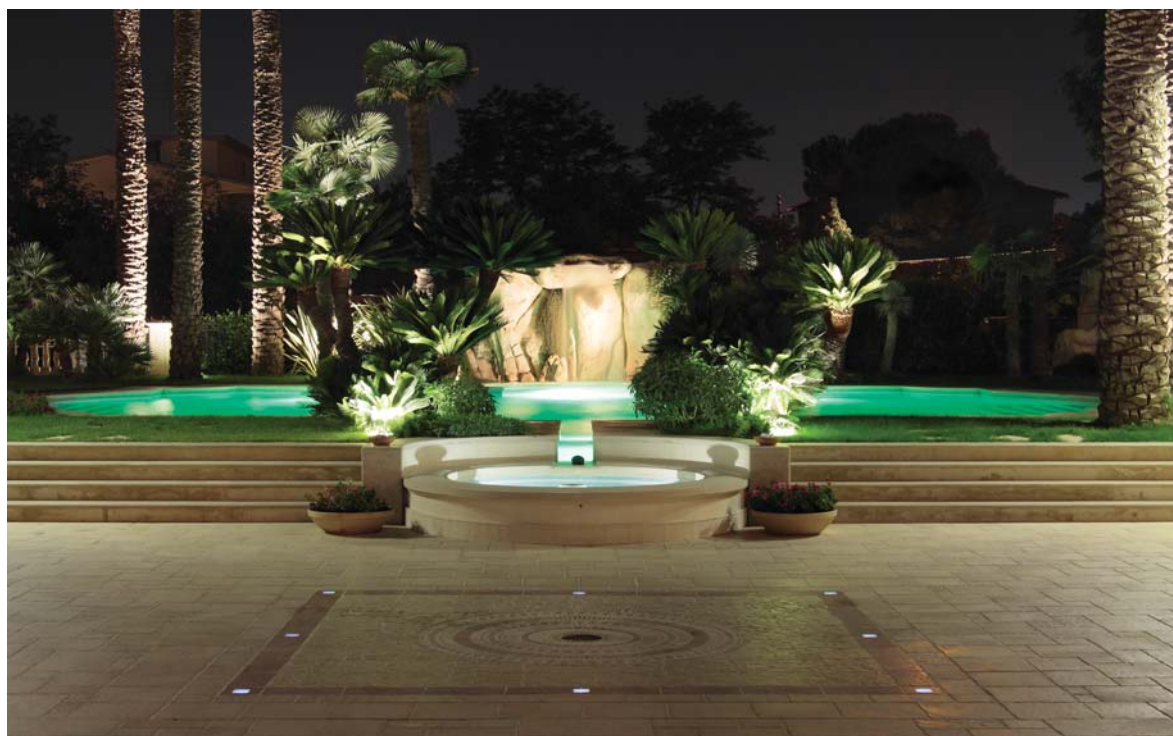


75
 3 way terminal
 block 3 poles
 IP 68



76
 2 way terminal
 block 3 poles
 IP 68

MODULE
 ELECTRO
www.modulelectro.ru



Bea

IP67    

Description

Recessed square luminaire for outdoor installation on wall and ground. Thanks to a specially designed box for installation, the finish frame is flush with the mounting surface. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with stainless steel or coated die-cast aluminium (four colours available) finish frame, tempered sandblasted glass and moulded silicone gasket. Bea is capable of withstanding light vehicular traffic.

Versions Available

Optic:

- standard version: Fixed symmetric optic.
- versions with dichroic lamps: optional adjustable optic (+/-10° horizontal adjustment)

Diffuser:

- sandblasted glass (VS)

Accessory on request: dichroic colour filters to replace the top glass

Light Sources

50W/12V QR CBC51 GU5,3 dichroic lamp (remote transformer to be ordered separately)

50W/230V PAR16 GZ10 dichroic lamp

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Square frame: 120mm

Recessing depth (including box for installation): 155mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: • mains tension: I • low-tension: III

Installation

Wiring through two M16 plastic cable glands ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >300mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

-  .0 inox
-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



Recessed wall fitting



The fitting is equipped with 1 cable input



The feeding transformer (230V/12V) for low voltage must be installed on remote position.

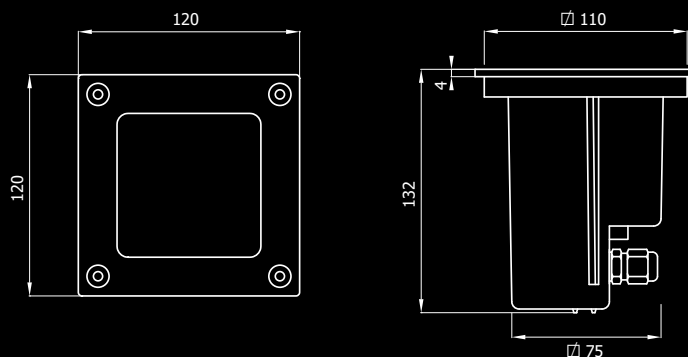


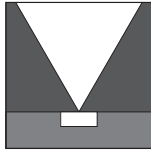
Maximum load (vehicular traffic): 3000 Kg - 20 Km/h



Protection against impact.

IK 09 - 10,00 joule

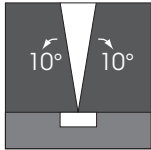
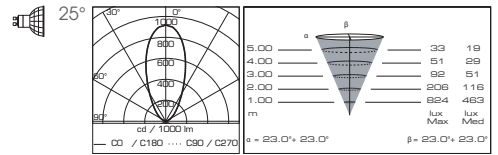
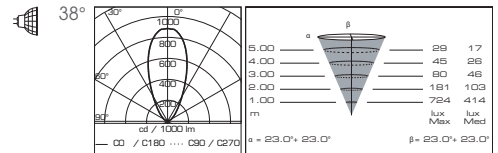




STAINLESS STEEL FRAME

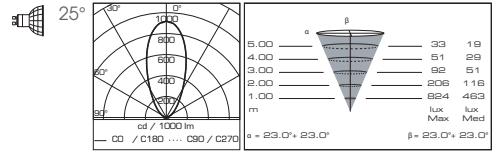
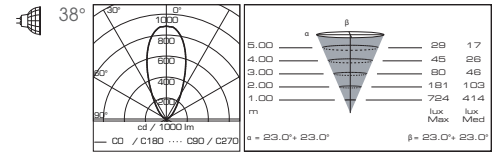
653328
 QR CBC 51 50W/12V GU5,3
 Remote transformer to be ordered
 T 180°C

652828
 PAR 16 50W/230V GZ10
 T 180°C



653315
 QR CBC 51 50W/12V GU5,3
 Remote transformer to be ordered
 T 180°C

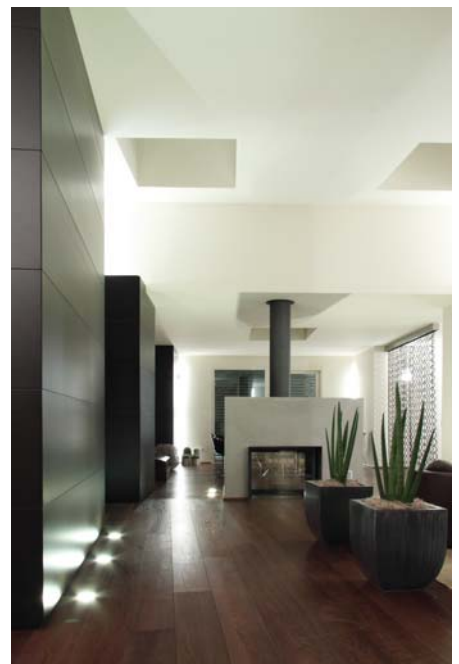
652815
 PAR 16 50W/230V GZ10
 T 180°C



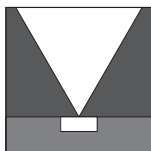
MODULO

ELECTRO

www.modulelectro.ru



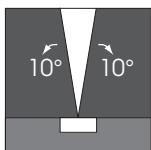
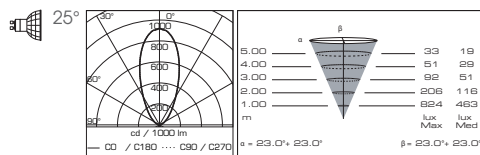
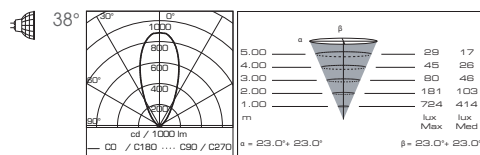
BEA



ALUMINIUM FRAME

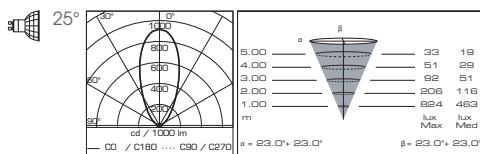
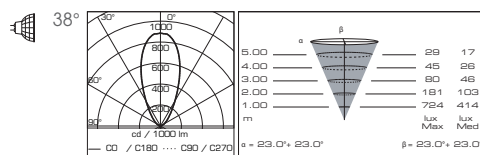
663323
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 180°C

662823
PAR 16 50W/230V GZ10
T 180°C



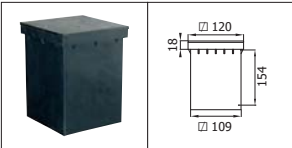
663315
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 180°C

662815
PAR 16 50W/230V GZ10
T 180°C



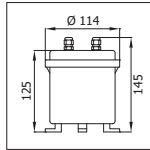
MODULO
ELECTRO
www.modulelectro.ru



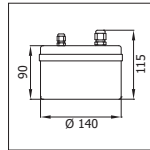


42
BOX FOR INSTALLATION
120 x 120 H 154 mm

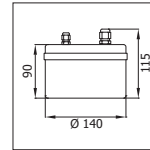
TRANSFORMERS



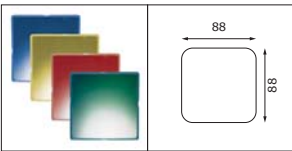
16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66



FOR CODE

652828 - 653328
653315 - 652815
663323 - 662823
663315 - 662815

DICHROIC FILTER

53.5
yellow

53.6
green

53.7
red

53.8
blue



75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68

MODULO
ELECTRO

www.modulelectro.ru



Maxi Bea

IP67    

Description

Recessed square luminaire for outdoor installation on wall and ground. Thanks to a specially designed box for installation, the finish frame is flush with the mounting surface. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with stainless steel frame, tempered transparent or sandblasted glass and moulded silicone gasket. Maxi Bea is capable of withstanding light vehicular traffic.

Versions Available

Optic:

- fixed symmetric, asymmetric and optional adjustable optic (+/-10° horizontal)

Diffuser:

- transparent glass (VT) - sandblasted glass (VS) on request

Accessories on request: dichroic colour filters to replace the top glass.

Light Sources

Symmetric optic:

26W TC-D G24d-3 or 26W TC-DEL G24q-3 or 42W TC-TEL Gx24q-4 compact fluorescent lamp

70W HIT-DE Rx7s metal halide or sodium vapour lamp

Asymmetric optic:

70W HIT-DE Rx7s metal halide or sodium vapour lamp

Adjustable optic:

35W or 70W HIT G12 metal halide lamp

Dimensions

Square frame: 200mm

Recessing depth (including box for installation): 255mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 plastic cable glands ($\varnothing < 13\text{mm}$ cable). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >400mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available



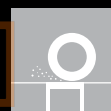
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 40 cm.



The fitting is equipped with 1 cable input

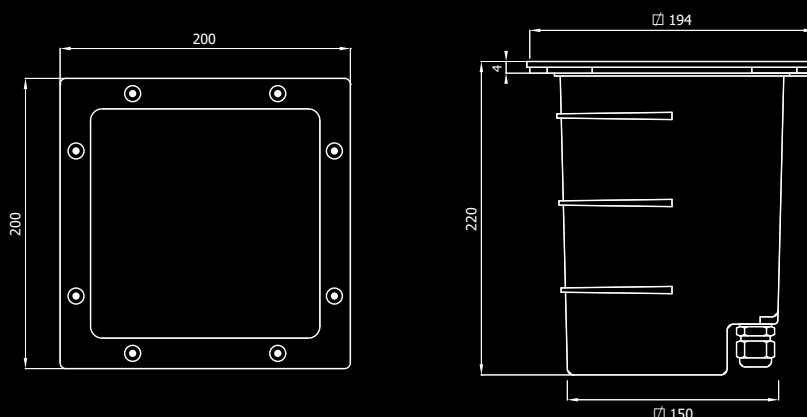


Maximum load (vehicular traffic): 2000 Kg - 20 Km/h

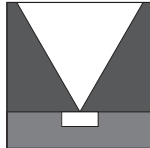


Protection against impact.

IK 09 - 10,00 joule

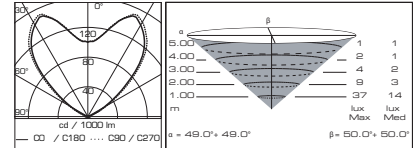


MAXI BEA



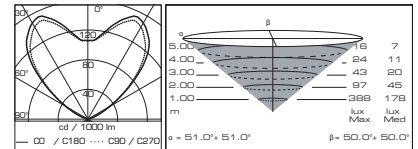
STAINLESS STEEL FRAME

670913
TC-D 26W G24 q-3
T 60°C $\leq 80^{\circ}\text{C}$

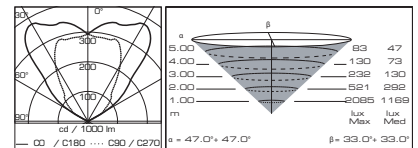


676113
TC-DEL 26W G24 q-3
Electronic ballast
T 60°C $\leq 80^{\circ}\text{C}$

672113
TC-TEL 42W Gx24 q-4
Electronic ballast
T 80°C



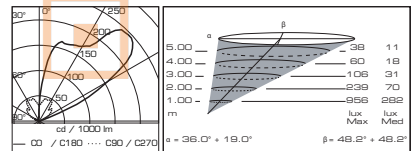
672913
HIT-DE 70W Rx7s
T 105°C



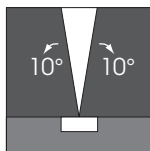
HST-DE 70W Rx7s
T 105°C



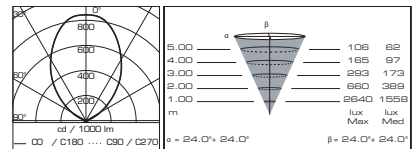
672914
HIT-DE 70W Rx7s
T 105°C



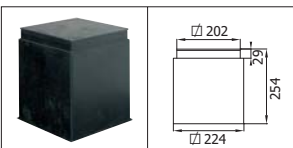
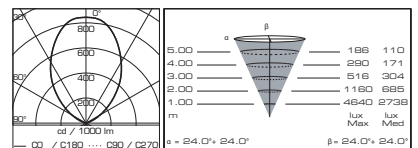
HST-DE 70W Rx7s
T 105°C



673515
HIT 35W G12
T 105°C



677115
HIT 70W G12
T 105°C



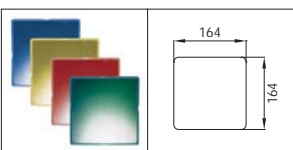
43
BOX FOR INSTALLATION
220 x 220 H 254 mm



75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68



FOR CODE
672913 - 673515
677115

DICHROIC FILTER

54.5
yellow

54.6
green

54.7
red

54.8
blue

● luminous source with yellow light (2000° K)



MODULE
ELECTRO
www.modulelectro.ru

Gemma, a round recessed light for ground, is the ideal fitting to meet designers' need to give indoor and outdoor settings an impressive and charming lighting effect. Gemma has been designed to host a wide range of light sources and to withstand pedestrian and light vehicular traffic. That is why it is mainly used for residential lighting: path- and walkways, entry areas and gateposts.

MODUL

ELECTRO

www.modulelectro.ru



Description

Recessed round luminaire for outdoor installation on ground. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (four colours available) finish frame, tempered transparent or sandblasted glass and moulded silicone gasket. Gemma is capable of withstanding light vehicular traffic.

Versions Available

Optics:

- fixed symmetric optic
- adjustable optic (+/-10° horizontal adjustment)

Beams:

- metal halide lamp version _ Standard beam: 2x30° - optional beam 2x8° (FS)

Diffuser:

- transparent glass (VT) – sandblasted glass (VS) on request

Light Source

Fixed optic:

60W QT32 E27 halogen lamp

18W TC-T Gx24d-2 or 18W TC-TEL Gx24q-2 compact fluorescent lamp

20W HIT G8,5 metal halide lamp (electronic ballast)

7 led module 7W/190-240V (cool-white 5500 K, warm-white 3000 K, and blue 475nm)

(transformer integrated into the module)

Adjustable optic:

50W/12V QRCBC 51 dichroic lamp

50W/230V PAR 16 dichroic lamp

Dimensions

Round frame: 180mm

Recessing depth (including box for installation): 250mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: I

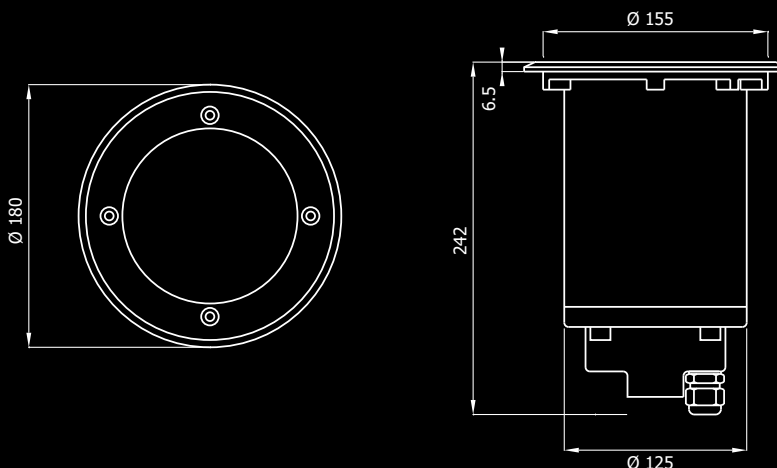
Installation

Wiring through two M20 plastic cable glands (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >400mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

-  .1 white  .2 aluminium  .3 anthracite  .4 black



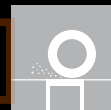
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 40 cm.



The fitting is equipped with 1 cable input

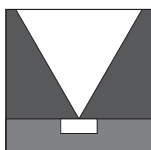


Maximum load (vehicular traffic): 3000 kg 20 km/h

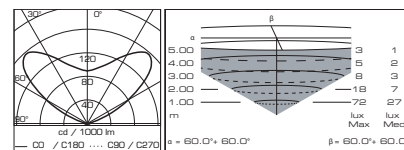


Protection against impact.

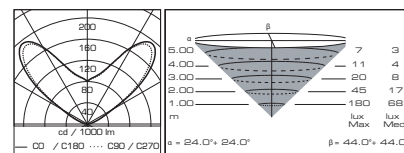
IK 09 - 10,00 joule



340113
QT 32 60W E27
T 160°C

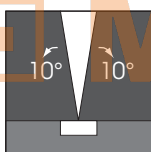
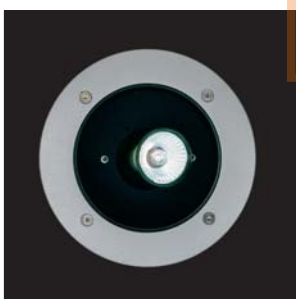
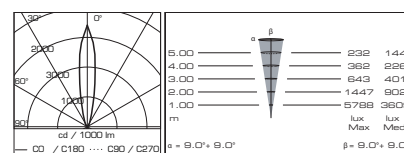


342313
TC-T 18W Gx24 d-2
T 46°C < 80°C

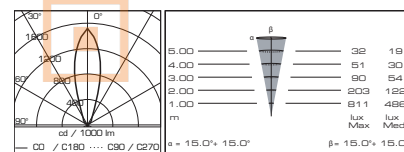


348513
TC-TEL 18W Gx24 q-2
Electronic ballast
T 46°C < 80°C

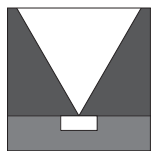
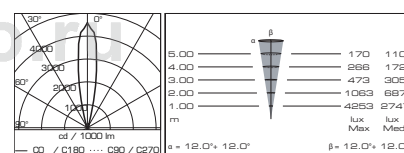
346613*
HIT 20W G8,5
Electronic ballast
T 120°C
*Standards wide flood 2x30°. On request optic with narrow beam spot 2x8° (FS).



342815
PAR 16 50W/230V GZ10
T 150°C



343315
QR CBC 51 50W GU5.3
T 130°C



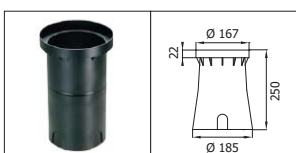
led 347613
7 COOL WHITE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



347713
7 WARM WHITE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



347813
7 BLUE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



58
BOX FOR INSTALLATION
Ø 167 H 250 mm



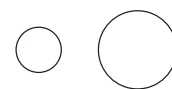
75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68



MODULO
ELECTRO
www.moduloelectro.com



Idra is a INOX fitting specially designed to be used in environments where the salt impact is particularly heavy, as in a seaside location.

This ground-recessed fitting, of two sizes, perfectly matches its surroundings, indeed, it can be placed in pavements, pedestrian areas, squares, parks, wharfs and piers.

Idra allows the designer to create an impressive project combining functionality and durability.



Description

Recessed luminaire for outdoor installation on ground. Configuration: deep-drawn stainless steel structure with milled stainless steel finish frame, tempered sandblasted or transparent glass, moulded silicone gasket and stainless steel screws. The special stainless steel structure allows installation on extreme conditions (sea or road salt), the solid top glass makes Idra capable of withstanding pedestrian and light vehicular traffic.

Versions Available

- Optic: • Ø130mm version: fixed symmetric or +/- 10° adjustable optic
 • Ø220mm version: fixed symmetric optic
- Diffuser: • Ø130mm version: sandblasted glass (VS)
 • Ø220mm version: transparent glass (VT)

Light Sources

Ø130mm version:

- 35W/12V QRCBC 51 halogen lamp (remote transformer to be ordered separately)
- 50W/230V PAR 16 halogen lamp
- 3W/12-24V DC led module (cool-white 5500 K, warm-white 3000 K, and blue 475nm) (remote electronic power supply to be ordered) power consumption: 3,6W

Ø220mm version:

- 35W HIT G8,5 metal halide lamp
- 26W TC-T Gx24d-3 or 26W TC-TEL Gx24q-3 fluorescent lamp
- 100W QT32 E27 halogen lamp
- 7 led module 7W/190-240V (cool-white 5500 K, warm-white 3000 K, and blue 475nm) (electronic power supply included)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.
 220-240V/24V DC 20W power supply for led module IP68

Dimensions

Finish frame: Ø 130mm - recessing depth (including box for installation): 128mm
 Finish frame: Ø 220mm - recessing depth (including box for installation): 247mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards
 Class of insulation: • mains tension: I • low tension: III

Installation

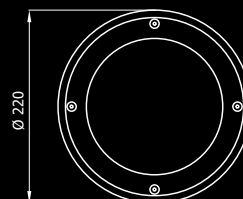
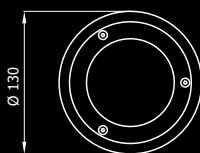
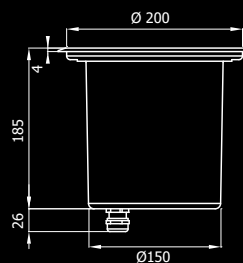
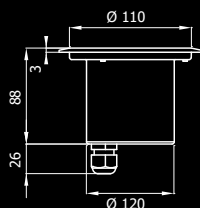
Wiring through 1 metal cable glands placed at the bottom. Ø220mm version: M20 cable gland (Ø <13mm cables). Ø130mm version: M16 cable gland (Ø <10mm cables) Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >400mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request:

- polypropylene box for installation
- 2 or 3 way terminal connector IP68

Colours Available

.0 inox



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 40 cm.



The fitting is equipped with 1 cable input



The feeding transformer (230V/12V) for low voltage must be installed on remote position.

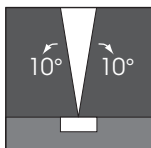


Maximum load (vehicular traffic): 2500 kg 20 km/h



Protection against impact.

IK 09 - 10,00 joule



Ø 130

253315

QR CBC 51 35W/12V GU5,3

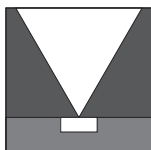
Remote transformer to be ordered
T 132°



252815

PAR 16 35W/230V GZ10

T 132°



led

257328

3 COOL WHITE LED 3x1W/24V

Remote electronic power supply to be ordered

T 45° < 80°C



255628

3 WARM WHITE LED 3x1W/24V

Remote electronic power supply to be ordered

T 45° < 80°C



257528

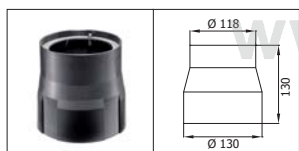
3 BLUE LED 3x1W/24V

Remote transformer to be ordered

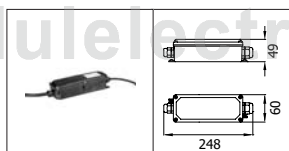
T 45° < 80°C



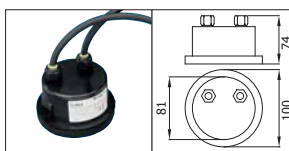
MODULO ELECTRO



85
BOX FOR INSTALLATION
Ø 118 H 130 mm

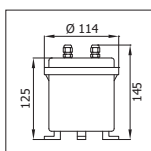


110
POWER SUPPLY FOR LED MODULE
230/240V 70W 24V d.c. IP67

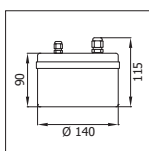


86
POWER SUPPLY FOR LED MODULE
220/240V 20W 24V d.c. IP68
Electronic power supply

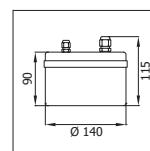
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66

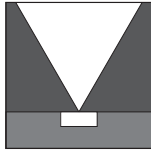


75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68

IDRA



Ø 220

250113
QT32 100W E27
T 170°



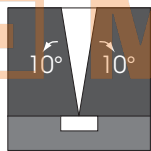
256313
TC-T 26W GX24d-3
T 60°



259813
TC-TEL 26W GX24q-3
Electronic ballast
T 60°



256713
HIT 35W G8,5
T 85°



led

Ø 220

257628
7 COOL WHITE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



ELECTRO

257728
7 WARM WHITE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



www.mosul-electro.ru

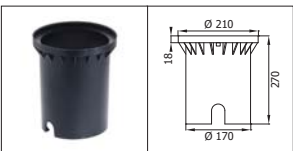
257828
7 BLUE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



NARROW BEAM

13°

ON REQUEST



26
BOX FOR INSTALLATION
Ø 210 H 270 mm



75
3 way terminal
block 3 poles
IP 68



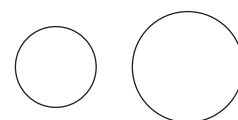
76
2 way terminal block
3 poles IP 68

 **MODUL** 
ELECTRO

www.modulelectro.ru







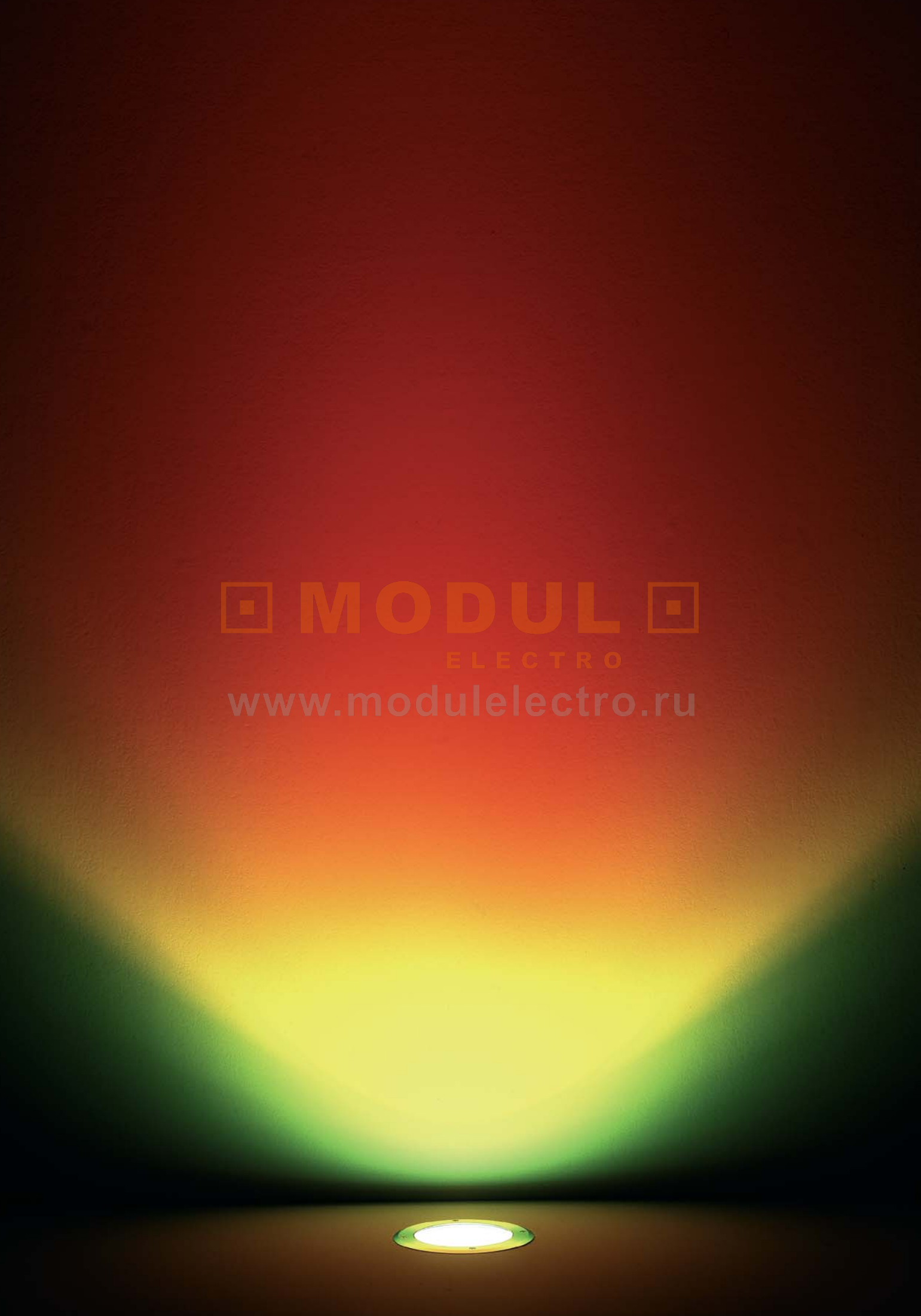
Petra family is composed of two round recessed uplights of different size. Its main strengths are a solid die-cast aluminium structure, a wide range of available light sources and a series of stainless steel and plated aluminium (four colours) finish frames. Petra is a very versatile fitting, indeed, thanks to the available optics it fully satisfies the creativity of designers who particularly appreciate the "light and shadow" effect, further enriched by the use of high quality dichroic colour-filters.

MODUL

ELECTRO

www.modul-electro.it





MODUL
ELECTRO
www.modulelectro.ru



MODUL
ELECTRO
www.modulelectro.ru

Description

Recessed round luminaire for outdoor installation on ground. Configuration: die-cast aluminium structure with stainless steel or coated die-cast aluminium finish frames, tempered transparent, sandblasted on non slip glass diffuser, moulded silicone gasket. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment.

Versions Available

Optics:

- fixed symmetric and asymmetric optic
- adjustable optic (+/-10° horizontal adjustment)

Beams:

- adjustable optic standard beam: 2x30° - optional beam 2x8° (FS)

Diffuser:

- transparent glass (VT) - sandblasted (VS) and non slip (VA) glass on request

Accessories on request: dichroic colour filters to replace the top glass.

Light Source

Symmetric optic:

18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp

26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

42W TC-TEL Gx24q-4 compact fluorescent lamp (electronic ballast)

35W or 70W HIT G12 metal halide lamp

Asymmetric and adjustable optic:

35W or 70W HIT G12 metal halide lamp

Dimensions

Round frame: Ø 220mm

Recessing depth (including box for installation): 247mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 plastic cable glands (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >400mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

-  .0 inox
-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 40 cm.



The fitting is equipped with 1 cable input



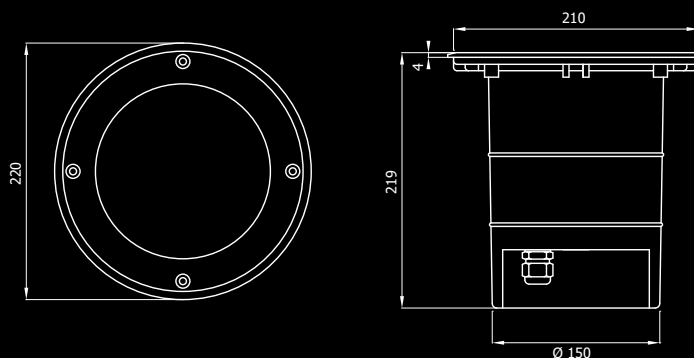
Maximum load (vehicular traffic): 2500 kg 20 km/h



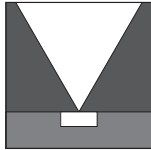
Protection against impact.

IK 09 - 10,00 joule

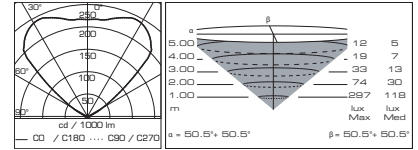
MODULO
ELECTRO
www.modulelectro.ru



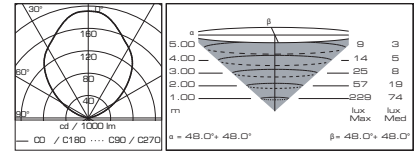
STAINLESS STEEL FRAME



070113
QT 32 100W E27
T 190°C



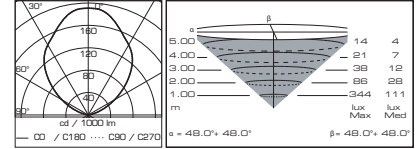
070713
TC-D 18W G24 d-2
T 50°C < 80°C



075913
TC-DEL 18W G24 q-2
Electronic ballast
T 50°C < 80°C



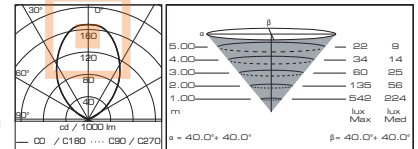
070913
TC-D 26W G24 d-3
T 62°C < 80°C



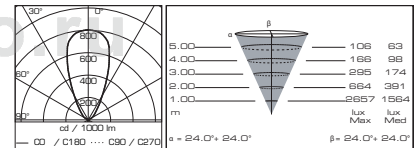
076113
TC-DEL 26W G24 q-3
Electronic ballast
T 62°C < 80°C



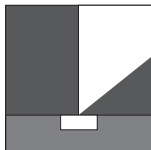
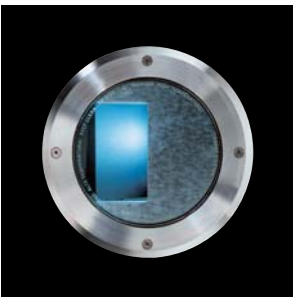
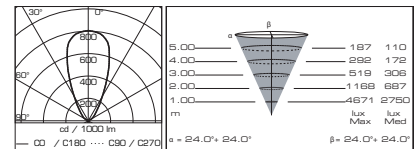
072113
TC-TEL 42W Gx24 q-4
Electronic ballast
T 80°C



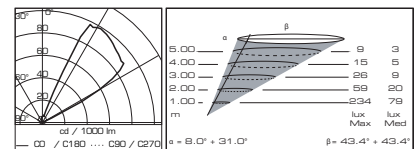
073513
HIT 35W G12
T 105°C



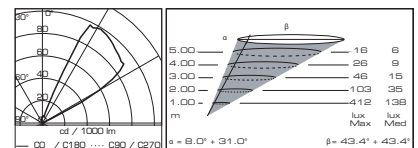
077113
HIT 70W G12
T 105°C



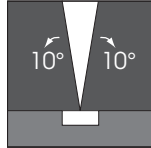
073514
HIT 35W G12
T 105°C



077114
HIT 70W G12
T 105°C

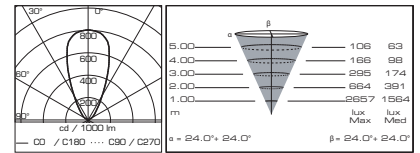


PETRA



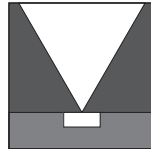
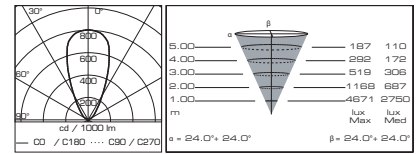
STAINLESS STEEL FRAME

073515
HIT 35W G12
T 105°C



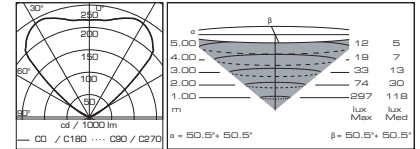
077115
HIT 70W G12
T 105°C

Standards wide flood 2x30°.
On request optic with narrow
beam spot 2x8° (FS).

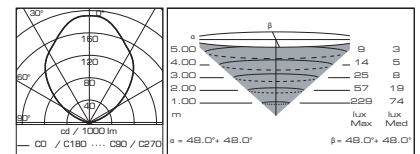


ALUMINIUM FRAME

080113
QT 32 100W E27
T 190°C



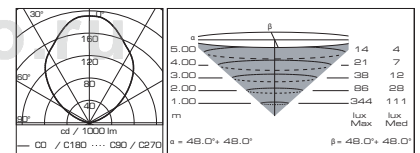
080713
TC-D 18W G24 d-2
T 50°C < 80°C



085913
TC-DEL 18W G24 q-2
Electronic ballast
T 50°C < 80°C



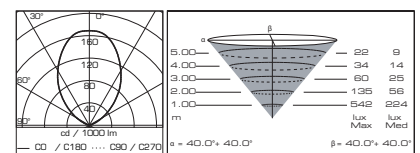
080913
TC-D 26W G24 d-3
T 62°C < 80°C



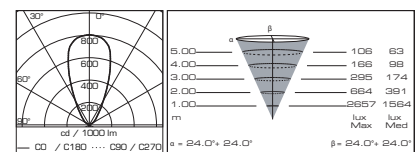
086113
TC-DEL 26W G24 q-3
Electronic ballast
T 62°C < 80°C



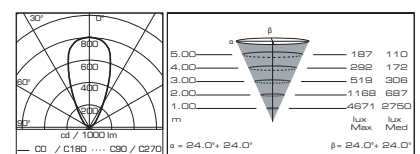
082113
TC-TEL 42W Gx24 q-4
Electronic ballast
T 80°C



083513
HIT 35W G12
T 105°C

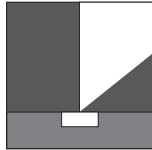
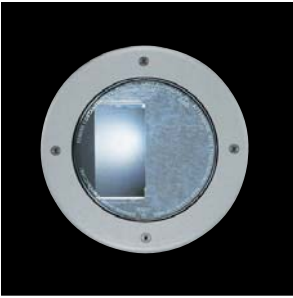


087113
HIT 70W G12
T 105°C

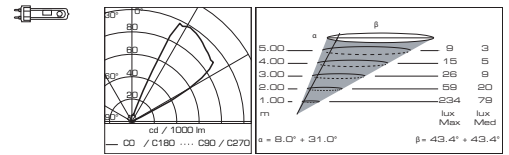


MODUL
ELECTRO

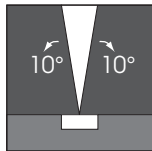
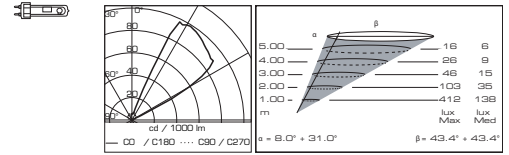
www.modul-electro.com



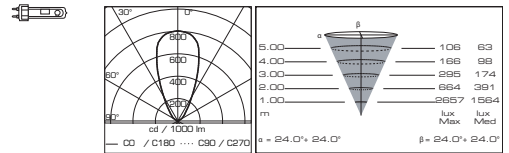
083514
HIT 35W G12
T 105°C



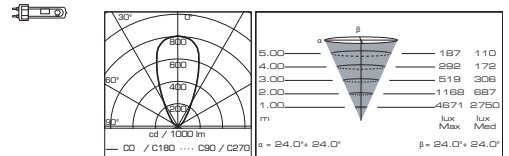
087114
HIT 70W G12
T 105°C



083515
HIT 35W G12
T 105°C

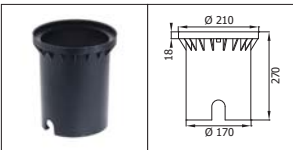


087115
HIT 70W G12
T 105°C



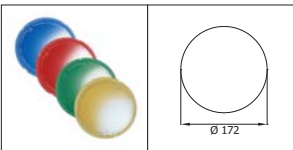
Standards wide flood 2x30°. On request optic with narrow beam spot 2x8° (FS).

MODULO ELECTRO



26
BOX FOR INSTALLATION
Ø 210 H 270 mm

www.modulelectro.ru



FOR CODE

070113 - 073513
077113 - 073515
077115 - 080113
083513 - 087113
083515 - 087115

DICHROIC FILTER

52.5
yellow

52.6
green

52.7
red

52.8
blue



75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68





MODUL ELEC

ELECTRO

www.modulelec.ro



MODUL
ELECTRO
www.modul-electro.ru

Maxi Petra

IP67  

Description

Recessed round luminaire for outdoor installation on ground. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure with stainless steel and coated die-cast aluminium (four colours available) finish frames, moulded silicone gasket and tempered transparent, sandblasted or non slip glass. Maxi Petra is capable of withstanding light vehicular traffic.

Versions Available

Optics:

- fixed symmetric and asymmetric optic
- adjustable optic (+/-15° horizontal adjustment)

Beams:

- MH lamp version _ Standard beam: 2x30° - optional beams 2x8° (FS) or 2x3° (FS3)

Diffuser:

- transparent glass (VT) - sandblasted (VS) and non slip (VA) glass on request

Accessories on request:

- dichroic colour filters to replace the top glass
- anti-glare louvre

Light Source

70W or 150W HIT-DE or HST-DE Rx7s metal halide lamp
2x26W TC-D G24d-3 or 2x26W TC-DEL G24q-3 compact fluorescent lamp for symmetric optic only

Adjustable optic:

70W or 150W HIT G12 metal halide lamp

Dimensions

Round frame: Ø 302mm
Recessing depth (including box for installation): 400mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 plastic cable glands (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >450mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

 .0 inox  .1 white  .2 aluminium  .3 anthracite  .4 black



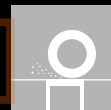
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 45 cm.



The fitting is equipped with 1 cable input

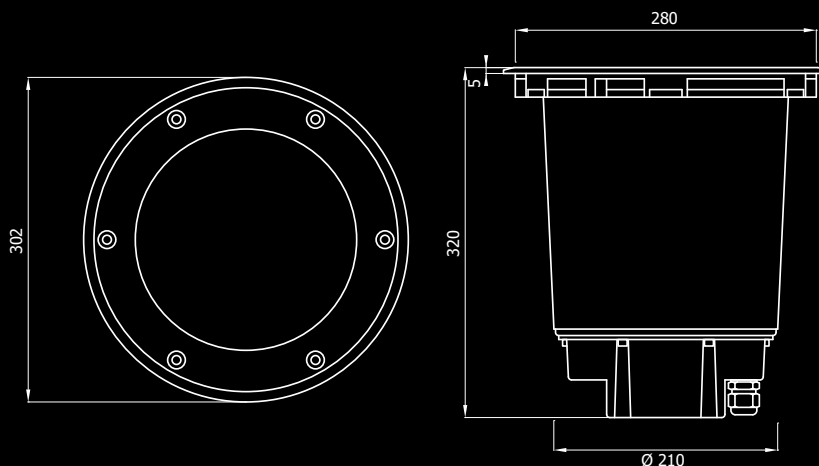


Maximum load (vehicular traffic): 2500 kg 20 km/h

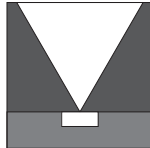
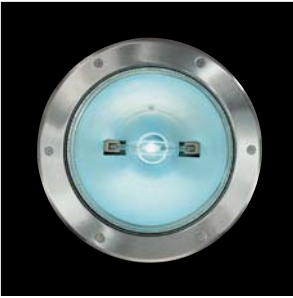


Protection against impact.

IK 09 - 10,00 joule



MAXI PETRA



STAINLESS STEEL FRAME

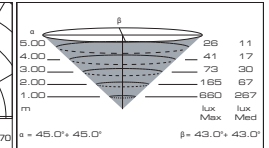
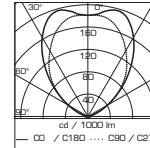
091613
TC-D 2x26 G24 d-3 (T 50°C)

096213
TC-DEL 2x26 G24 q-3 (T 50°C)
Electronic ballast

092913
HIT-DE 70W Rx7s
T 160°C



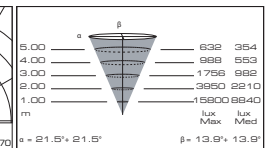
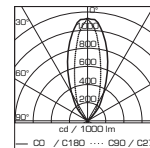
< 80°C



HST-DE 70W Rx7s
T 160°C



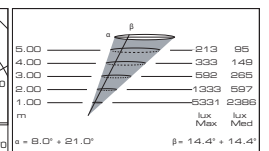
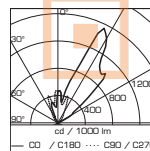
091913
HIT-DE 150W Rx7s
T 165°C



HST-DE 150W Rx7s
T 165°C



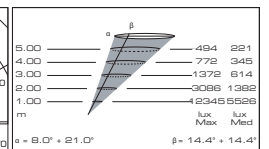
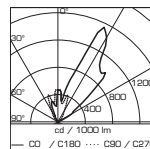
092914
HIT-DE 70W Rx7s
T 160°C



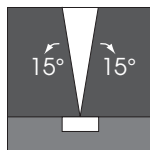
HST-DE 70W Rx7s
T 160°C



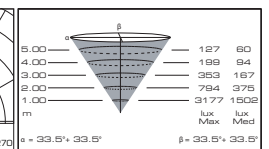
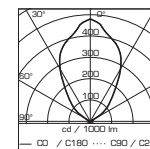
091914
HIT-DE 150W Rx7s
T 165°C



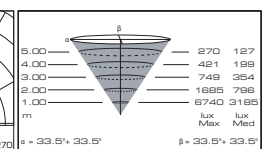
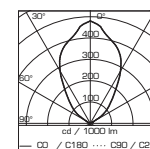
HST-DE 150W Rx7s
T 165°C



097115
HIT 70W G12
T 160°C



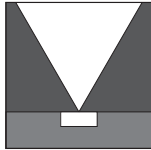
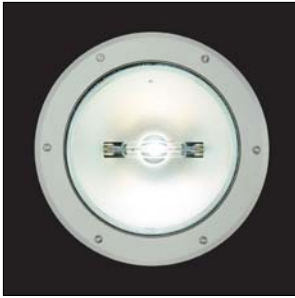
091515
HIT 150W G12
T 170°C



Standards wide flood 2x35°
On request optic with narrow
beam spot 2x8° (FS) and
2x3° (FS3)

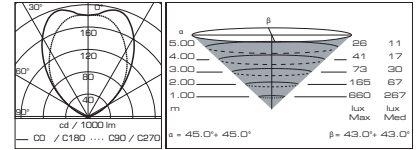
● luminous source with yellow light (2000° K)

MAXI PETRA



ALUMINIUM FRAME

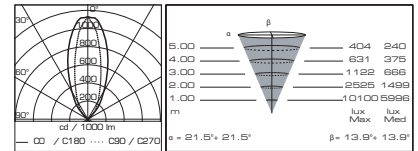
101613
TC-D 2x26W G24 d-3
T 50°C < 80°C



106213
TC-DEL 2x26W G24 q-3
Electronic ballast
T 50°C < 80°C



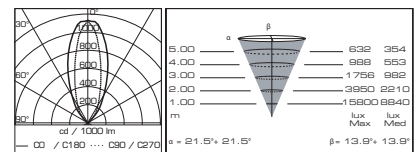
102913
HIT-DE 70W Rx7s
T 160°C



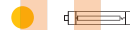
HST-DE 70W Rx7s
T 160°C



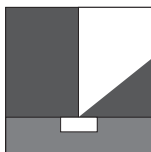
101913
HIT-DE 150W Rx7s
T 165°C



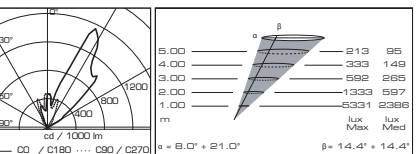
HST-DE 150W Rx7s
T 165°C



MODULO
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www.modulelectro.ru



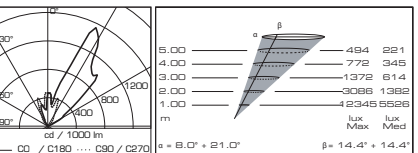
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HIT-DE 70W Rx7s
T 160°C



HST-DE 70W Rx7s
T 160°C



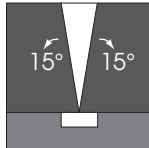
101914
HST-DE 150W Rx7s
T 170°C



HIT-DE 150W Rx7s
T 170°C



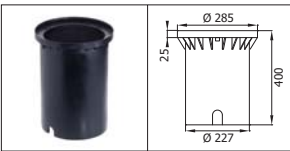
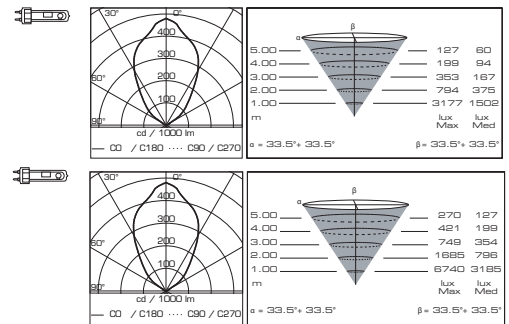
● luminous source with yellow light (2000 K)



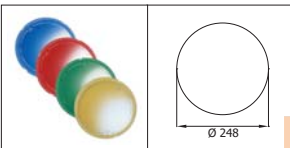
107115
HIT 70W G12
T 160°C

101515
HIT 150W G12
T 170°C

Standards wide flood 2x70°. On request optic with narrow beam spot 2x8° (FS) and 2x3° (FS3).



28
BOX FOR INSTALLATION
Ø 285 H 400 mm

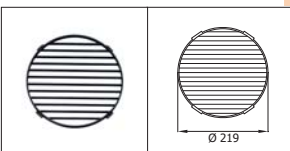


FOR CODE

092913 - 091913
097115 - 091515
102913 - 101913
107115 - 101515

DICHROIC FILTER

55.5	55.6	55.7	55.8
yellow	green	red	blue



FOR CODE

097115 - 091515
107115 - 101515

57
ANTI GLARE LOVRE

MODUL
ELECTRO
www.modulelectro.ru



75
3 way terminal
block 3 poles
IP 68

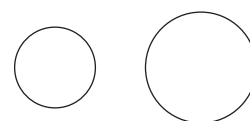


76
2 way terminal
block 3 poles
IP 68





ELMODULO
ELECTRO
www.moduloelectro.com



Petra Ice family is our solution to the lighting of areas where safety is the key word. The decision to place the electrical components and the light source into a second inner body led to a decrease in the glass temperature (<math><70^{\circ}\text{C}</math> in compliance with the European standard EN 60598-2) making Petra Ice the best fitting for public and pedestrian areas. The family is composed of two round recessed uplights of different size with a die-cast aluminium solid structure and a series of stainless steel and plated aluminium finish frames.

MODULO

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www.modulelectro.ru



Petra Ice

IP67   

Description

Recessed round luminaire for outdoor installation on ground available in two sizes. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with stainless steel and coated die-cast aluminium (four colours available) finish frames, moulded silicone gasket and tempered transparent, sandblasted or nonslip glass. Petra Ice is capable of withstanding light vehicular traffic.

Special feature: glass temperature lower than 70° (laboratory test = 25°) thanks to a second inner body containing the electric components and the light source

Versions Available

Sizes: Ø 220mm finish frame • Ø 302mm finish frame

Diffuser: transparent glass (VT) – sandblasted (VS) and non slip (VA) glass on request

Light Source

Ø 220mm version:

50W/230V PAR16 GZ10 dichroic lamp

50W/12V QRBC51 GU5,3 dichroic lamp (remote transformer to be ordered separately)

Ø 302mm version:

60W QT32 E27 halogen lamp

42W TC-TEL Gx24q-4 compact fluorescent lamp (electronic ballast)

35W or 70W HIT G12 metal halide lamp

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Round frame: Ø 220mm _ Recessing depth (including box for installation): 247mm

Round frame: Ø 302mm _ Recessing depth (including box for installation): 400mm

Technical Features

Protection Rating: IP67

• In compliance with EN 60598-1 standards

Class of insulation: I

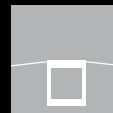
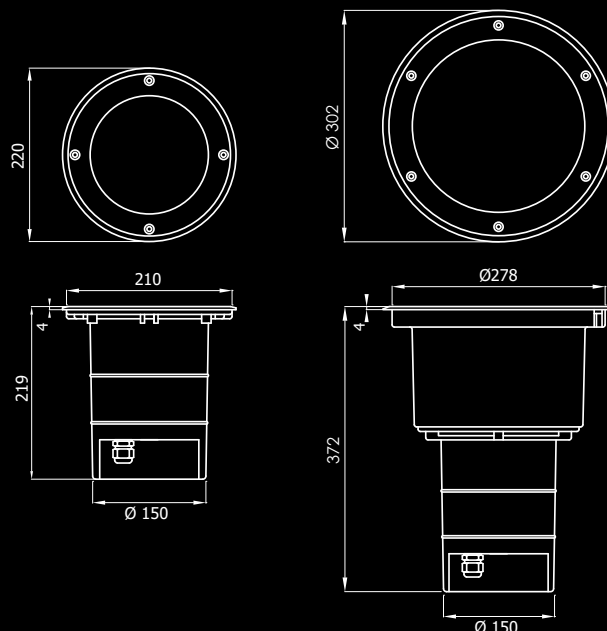
Installation

Wiring through two M20 plastic cable glands (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >450mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

 .0 inox  .1 white  .2 aluminium  .3 anthracite  .4 black



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 45 cm.



The fitting is equipped with 1 cable input



The feeding transformer (230V/12V) for low voltage must be installed on remote position.



According to CEI EN 60598-2-13



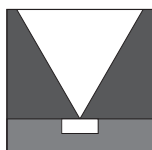
Maximum load (vehicular traffic): 2500 kg 20 km/h



Protection against impact.

IK 09 - 10,00 joule

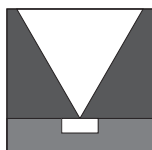
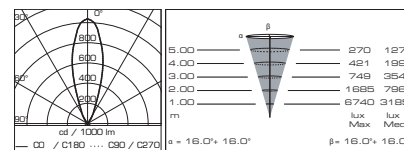
PETRA ICE



Ø220 STAINLEES STEEL FRAME

552813
PAR 16 50W/230V GZ10
T 60°C < 80°C

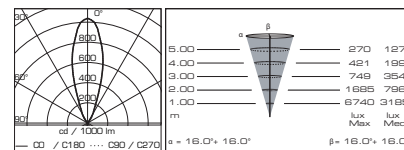
553313
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 60°C < 80°C



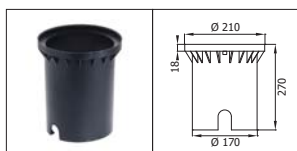
Ø220 ALUMINIUM FRAME

562813
PAR 16 50W/230V GZ10
T 60°C < 80°C

563313
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered
T 60°C < 80°C



MODULO ELECTRO



26
BOX FOR INSTALLATION
Ø 210 H 270 mm

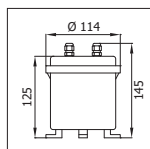


75
3 way terminal
block 3 poles
IP 68

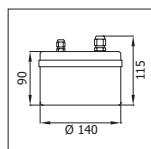


76
2 way terminal
block 3 poles
IP 68

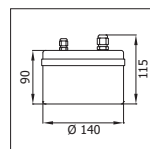
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66

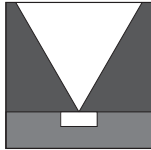


17
trasform. 200W
230V/12V 50Hz
IP 66



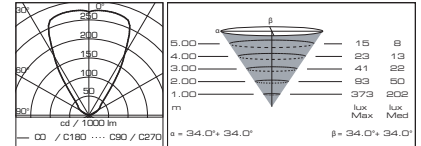
18
trasform. 300W
230V/12V 50Hz
IP 66

PETRA ICE

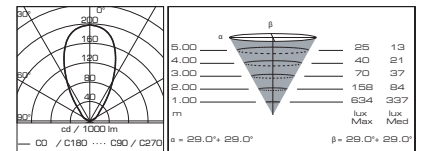


Ø302 STAINLESS STEEL FRAME

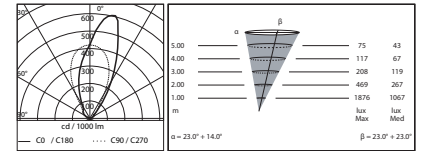
550113
 QT 32 60W E27
 T 75°C < 80°C



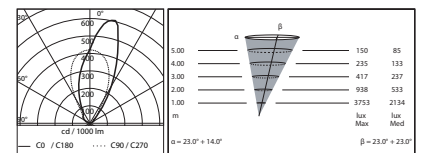
552113
 TC-TEL 42W GX24 q-4
 Electronic ballast
 T 65°C < 80°C



553513
 HIT 35W G12
 T 65°C < 80°C

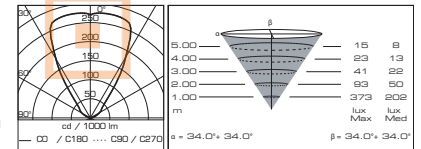


557113
 HIT 70W G12
 T 70°C < 80°C

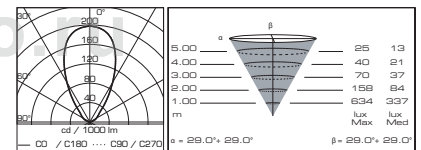


Ø302 ALUMINIUM FRAME

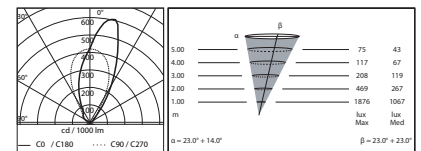
560113
 QT 32 60W E27
 T 75°C < 80°C



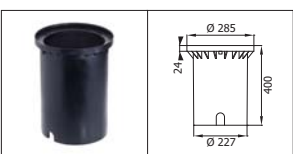
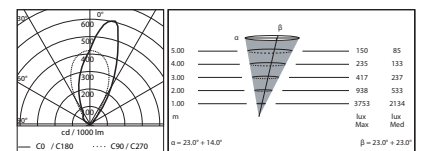
562113
 TC-TEL 42W GX24 q-4
 Electronic ballast
 T 65°C < 80°C



563513
 HIT 35W G12
 T 65°C < 80°C



567113
 HIT 70W G12
 T 70°C < 80°C



28
 BOX FOR INSTALLATION
 Ø 285 H 400 mm



75
 3 way terminal
 block 3 poles
 IP 68



76
 2 way terminal
 block 3 poles
 IP 68



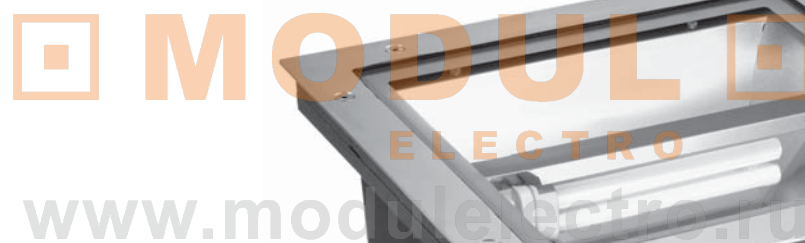
MODUL
ELECTRO
www.modulelectro.ro



MODUL
ELECTRO
www.modul-electro.ru

Our new product Cassiopea is a ground recessed fitting available either in round or square shape. Thanks to its shallow recessing depth, it is particularly suitable for marble, concrete and concrete-block pavings.

The small size of the Cassiopea family makes it the best solution to highlight with attractive effects either indoor and outdoor environments from various architectural designs.

www.modulelectro.ru



Cassiopea

IP67  

Description

Recessed luminaire for outdoor installation on ground where recessing depth are limited (up to 120mm). Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure, die-cast inner frame, tempered transparent glass with silkscreen border and stainless steel finish frame, moulded silicone gasket and stainless steel screws. Cassiopea is capable of withstanding pedestrian traffic

Versions Available

Structure:

- Ø 310mm round structure with fixed symmetric or asymmetric optic
- 310mm-side square structure with fixed symmetric or asymmetric optic

Diffuser:

- transparent glass with silkscreen border (VT)

Light Sources

- 35W or 70W HIT G8,5 metal halide lamp
- 18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp
- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

Dimensions

Round version:

- Ø 310mm finish frame - recessing depth (including box for installation): 120mm

Square version

- 310mm - recessing depth (including box for installation): 120mm

Technical Features

Protection Rating: IP67

- In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 plastic cable glands (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >300mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessories on request:

- polypropylene box for installation
- 2 or 3 way terminal connector IP68

Colours Available



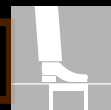
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



The fitting is equipped with 1 cable input

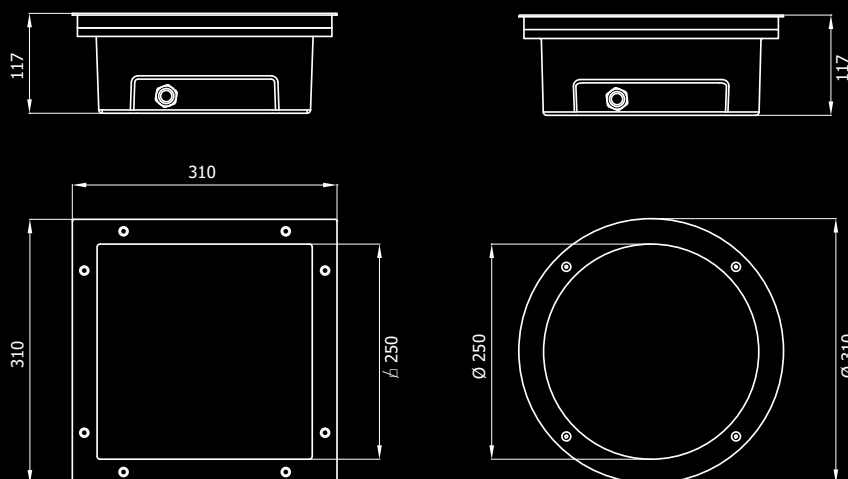


Maximum load (pedestrian traffic): 1200 kg



Protection against impact.

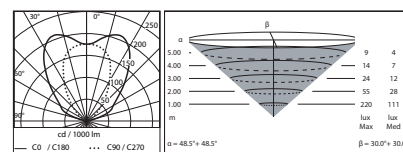
IK 09 - 10,00 joule



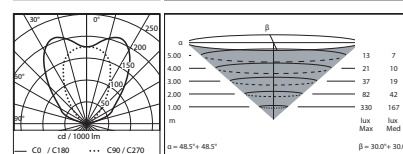


ROUND VERSION

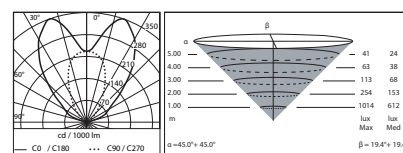
750713
TC-D 18W G24d-2 (T 45 °C)
755913
TC-DEL 18W G24q-2 (T 45 °C)
Electronic ballast



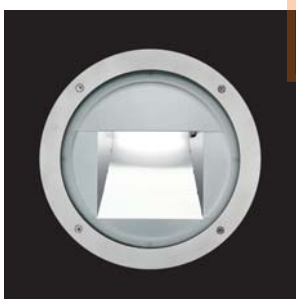
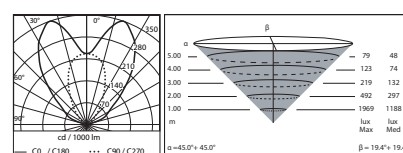
750913
TC-D 26W G24d-3 (T 56 °C)
756113
TC-DEL 26W G24q-3 (T 56 °C)
Electronic ballast



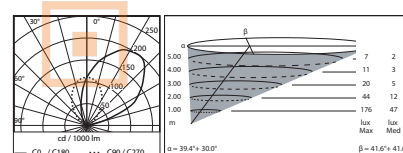
756713
HIT 35W G8,5
T 78 °C $\llcorner 80^\circ\text{C}$



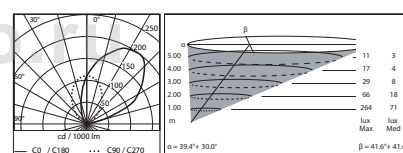
756913
HIT 70W G8,5
T 95 °C



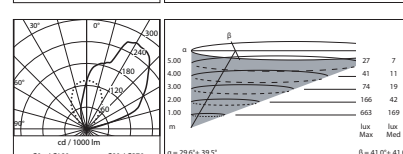
750714
TC-D 18W G24d-2 (T 45 °C)
755914
TC-DEL 18W G24q-2 (T 45 °C)
Electronic ballast



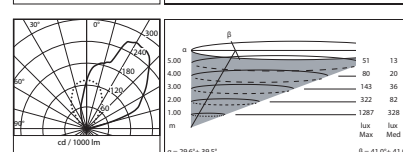
750914
TC-D 26W G24d-3 (T 56 °C)
756114
TC-DEL 26W G24q-3 (T 56 °C)
Electronic ballast



756714
HIT 35W G8,5
T 78 °C $\llcorner 80^\circ\text{C}$

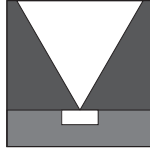


756914
HIT 70W G8,5
T 95 °C



73
BOX FOR INSTALLATION
405 x 405 H 120 mm

CASSIOPEA



SQUARE VERSION

760713
TC-D 18W G24d-2 (T 45 °C)

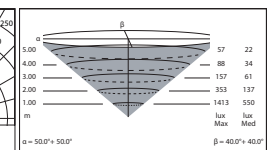
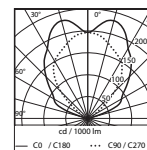
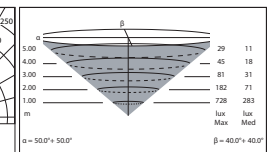
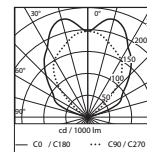
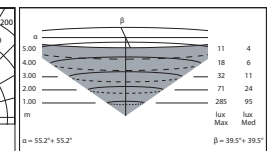
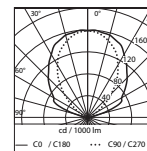
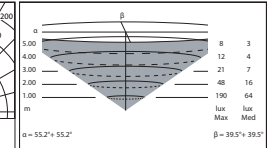
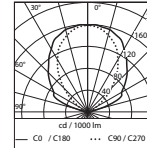
765913
TC-DEL 18W G24q-2 (T 45 °C)
Electronic ballast

760913
TC-D 26W G24d-3 (T 56 °C)

766113
TC-DEL 26W G24q-3 (T 56 °C)
Electronic ballast

766713
HIT 35W G8,5
T 78 °C < 80°C

766913
HIT 70W G8,5
T 95 °C



760714
TC-D 18W G24d-2 (T 45 °C)

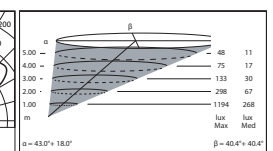
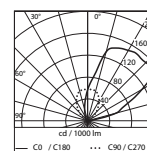
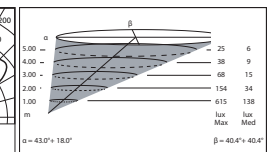
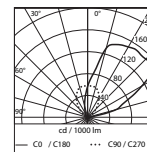
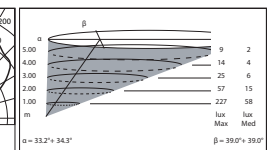
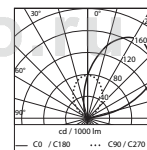
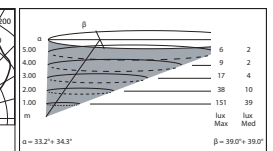
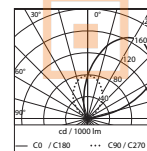
765914
TC-DEL 18W G24q-2 (T 45 °C)
Electronic ballast

760914
TC-D 26W G24d-3 (T 56 °C)

766114
TC-DEL 26W G24q-3 (T 56 °C)
Electronic ballast

766714
HIT 35W G8,5
T 78 °C < 80°C

766914
HIT 70W G8,5
T 95 °C



74
BOX FOR INSTALLATION
405 x 405 H 120 mm



75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68



MODUL
ELECTRO

www.modulselectro.ru

Description

Recessed luminaire for outdoor installation on ground where recessing depth are limited (up to 120mm). Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure, die-cast inner frame, tempered transparent glass with silkscreen border and stainless steel finish frame, moulded silicone gasket and stainless steel screws. Cassiopea is capable of withstanding pedestrian traffic

Versions Available

Structure:

- Ø 310mm round structure with fixed symmetric optic
- 310mm-side square structure with fixed symmetric optic

Diffuser:

- transparent glass with silkscreen border (VT)

Light emission: wide beam 40°

Light Sources

20 led module 20W (cool-white 5500 K, warm-white 3000 K, and blue 475nm) (transformer integrated into the module)

Dimensions

Round version:

- Ø 310mm finish frame - recessing depth (including box for installation): 120mm

Square version

- 310mm - recessing depth (including box for installation): 120mm

Technical Features

Protection Rating: IP67

- In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 plastic cable glands (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >300mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessories on request:

- polypropylene box for installation
- 2 or 3 way terminal connector IP 68
- box for installation on surface

Colours Available



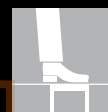
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



The fitting is equipped with 1 cable input

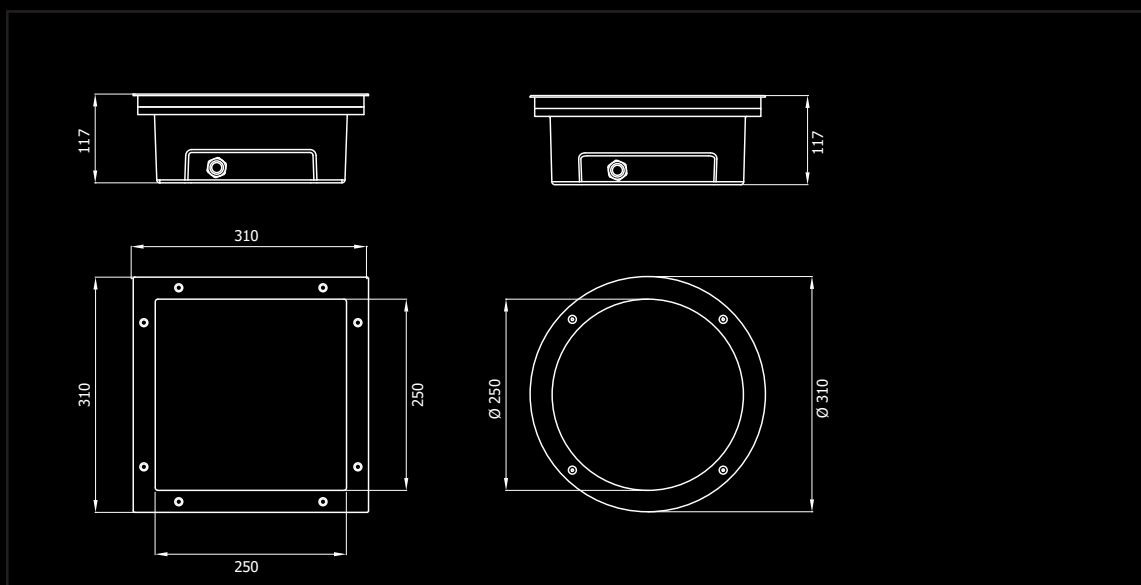


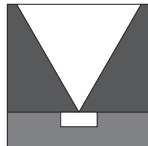
Maximum load (pedestrian traffic): 1200 kg



Protection against impact.

IK 09 - 10 ,00 joule





ROUND VERSIONE

7511213
20 COOL WHITE LED 20x1W/230V
Electronic power supply included
T 45° $\leq 80^{\circ}\text{C}$



7511313
20 WARM WHITE LED 20x1W/230V
Electronic power supply included
T 45° $\leq 80^{\circ}\text{C}$



7511413
20 BLUE LED 20x1W/230V
Electronic power supply included
T 45° $\leq 80^{\circ}\text{C}$



73
BOX FOR INSTALLATION
405 x 405 H 120 mm

SQUARE VERSIONE

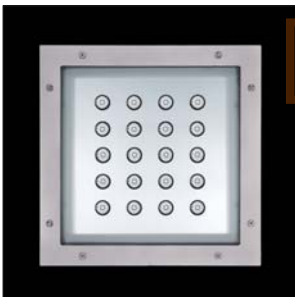
7611213
20 COOL WHITE LED 20x1W/230V
Electronic power supply included
T 45° $\leq 80^{\circ}\text{C}$



7611313
20 WARM WHITE LED 20x1W/230V
Electronic power supply included
T 45° $\leq 80^{\circ}\text{C}$



7611413
20 BLUE LED 20x1W/230V
Electronic power supply included
T 45° $\leq 80^{\circ}\text{C}$



74
BOX FOR INSTALLATION
405 x 405 H 120 mm



75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68



CASSIOPEA ON SURFACE



91
BOX FOR INSTALLATION
ON SURFACE
400 x 400 H 130

-  .1 white  .2 aluminium  .3 anthracite  .4 black



 **MODUL** 
ELECTRO

www.modulelectro.it





MODUL
ELECTRO
www.modulelectro.ru

Snell led is a square recessed luminaire enriched by a series of die-cast aluminium coverings giving glare-free light emission in different directions: uni-, bi- or omnidirectional. The low profile structure makes it particularly useful to border walk- and pathways, while the refined design extends its suitability to the lighting of the most various settings.

MODUL
ELECTRO
www.modulelectro.ru



Description

Recessed luminaire with lateral emission for outdoor installation on wall or pavement. Configuration: die-cast aluminium structure and domed square-cap, moulded silicone gaskets and a 360° emitting glass lens fixed with silicone glue. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment.

Snell is capable of withstanding pedestrian and light vehicular traffic.

Versions Available

Light emission:

thanks to the cap available in different designs the 360° light emission can be shaped into:

unidirectional : one 60° window

bidirectional: two opposite 60° windows

omnidirectional: four 60° windows

Light sources

2W/24V DC led module (cool-white 6000 K, warm-white 3000 K, and blue 475nm)*

* Remote power supply to be ordered separately. Power consumption: 2,5W

Accessories on request: 220-240V/24V DC 20W power supply for led module IP68

220-240V/24V DC 20W power supply

230-240V/24V DC 70W power supply

Dimensions

Domed square-cap with 75mm side

Convexity: 18mm

Recessing depth (including box for installation) 110mm

Technical features

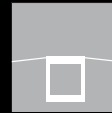
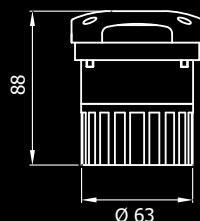
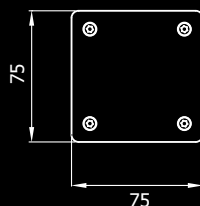
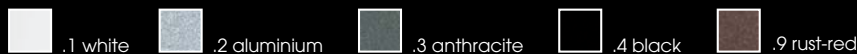
Protection rating: IP67 in compliance with EN 60598-1

Class of insulation: led module with remote 24V DC power supply; III

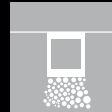
Installation

Snell is equipped with a highly efficient resin-coated converter PWM (Pulse Wide Modulation) that guarantees the right power supply to the led module, removes electromagnetic interference and allows parallel wiring. Feeding tension must be included between 15 and 24V DC, any other supply will irretrievably damage the led module. Snell is protected against polarity reversal (the luminaire does not switch on) and it is equipped with a piece of cable for an easy-to-make connection (please provide effective insulation on the connection). Installation requires a dedicated box (to be ordered separately) to be installed flush with the surface. For ground installation it is important to provide a proper gravel layer or drain system (>200mm) to ensure good drainage and to avoid water stagnation. Accessory: plastic box for installation.

Colours Available



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - >20 cm.



Recessed wall fitting



The fitting is equipped with 1 cable input



The electronic power supply must be installed on remote position



According to CEI EN 60598-2-13



Maximum carriageable weight: 5000 Kg - 20 Km/h



Protection against impact.

IK 07 - 2,00 joule



UNIDIRECTIONAL

1016801
 1 COOL WHITE LED 1x2W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



1016401
 1 WARM WHITE LED 1x2W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C

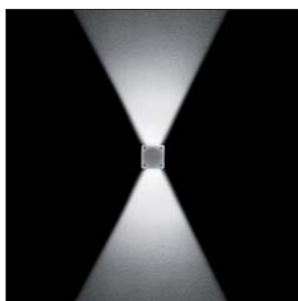


1017401
 1 BLUE LED 1x2W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



MODULO

BIDIRECTIONAL ELECTRO



1016802
 1 COOL WHITE LED 1x2W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



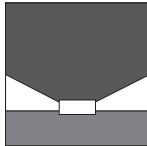
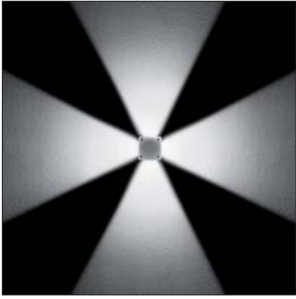
1016402
 1 WARM WHITE LED 1x2W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



1017402
 1 BLUE LED 1x2W/24V d.c.
 Remote electronic power supply to be ordered
 T 40° < 80°C



SNELL led



OMNIDIRECTIONAL

1016804

1 COOL WHITE LED 1x2W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



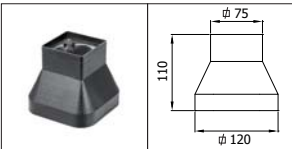
1016404

1 WARM WHITE LED 1x2W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C

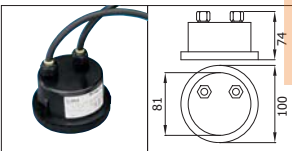


1017404

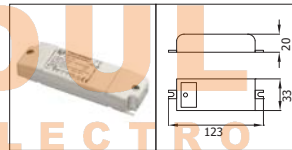
1 BLUE LED 1x2W/24V d.c.
Remote electronic power supply to be ordered
T 40° < 80°C



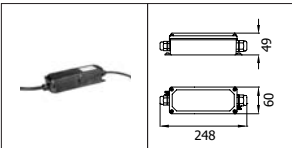
104
BOX FOR INSTALLATION
120 x 120 x Ø 75 H 110 mm



86
POWER SUPPLY FOR LED MODULE
220/240V 20W 24V d.c. IP68
Electronic power supply



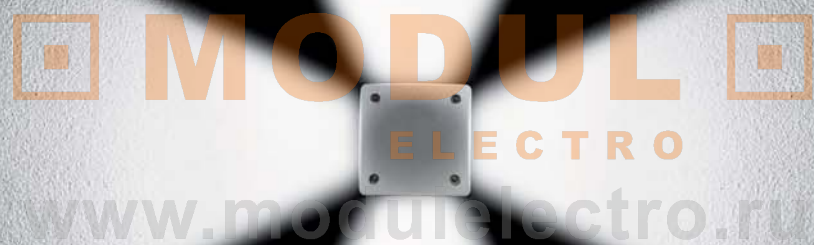
87
POWER SUPPLY FOR LED MODULE
220/240V 10W 24Vd.c.
Electronic power supply



110
POWER SUPPLY FOR LED MODULE
230/240V 70W 24V d.c. IP67

www.modulelectro.ru

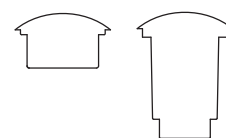








MODULO
ELECTRO

www.moduloelectro.ru



Vega and New Vega are two round recessed lights with a die-cast aluminium body and a series of die-cast aluminium coverings allowing glare free light emission in different directions (one, two or four beams). Vega (low profile structure) and New Vega are, therefore, particularly useful to border walk- and pathways.

 **MODULO** 
ELECTRO
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MODUL
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www.modul.electro.ru



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ELECTRO
www.modulelectro.ru

Description

Recessed round luminaire with lateral light emission for outdoor installation on ground. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish cap, moulded silicone gasket and moulded tempered transparent glass. Vega is capable of withstanding light vehicular traffic.

Versions Available

Light emission:

- unidirectional: one 90° lateral window
- bidirectional: two 90° opposite lateral windows
- omnidirectional: four 45° cross lateral windows

Diffuser:

- transparent glass (VT)

Light Sources

60W QT14 G9 halogen lamp

1W/100-240V 50-60Hz led module for each window (cool-white 6000 K, warm-white 3000 K, and blue 475nm)*

* Integrated power supply

Dimensions

Round frame: Ø 180mm

Convexity: 33mm

Recessing depth (including box for installation): 80mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: • mains tension: I

Installation

Wiring through two M16 plastic cable glands (Ø <10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >300mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available



The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm.



The fitting is equipped with 1 cable input

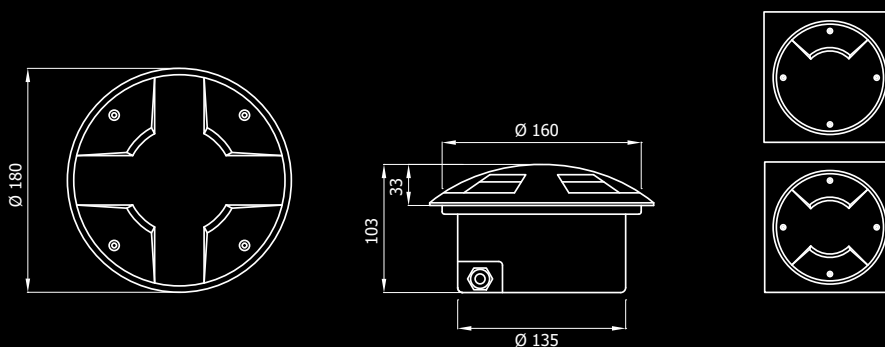


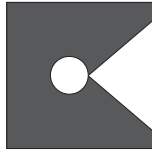
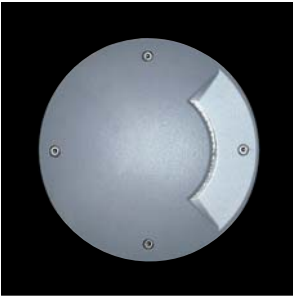
Maximum load (vehicular traffic): 2000 kg 10 km/h



Protection against impact.

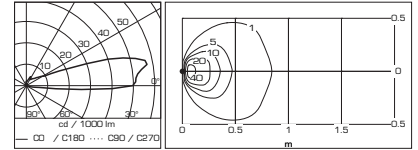
IK 09 - 10,00 joule





led

UNIDIRECTIONAL
052701
QT 14 60W/230V G9



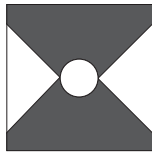
058901
1 COOL WHITE LED 1x1W/100-240V
Electronic power supply included
T 45° < 80°C



058801
1 WARM WHITE LED 1x1W/100-240V
Electronic power supply included
T 45° < 80°C

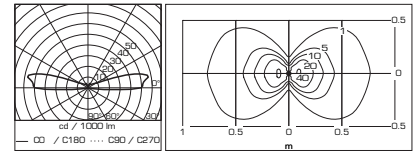


059001
1 BLUE LED 1x1W/100-240V
Electronic power supply included
T 45° < 80°C



led

BIDIRECTIONAL
052702
QT 14 60W/230V G9



0511802
2 COOL WHITE LED 2x1W/100-240V
Electronic power supply included
T 45° < 80°C



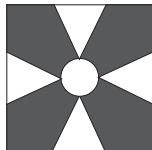
0511902
2 WARM WHITE LED 2x1W/100-240V
Electronic power supply included
T 45° < 80°C



0512002
2 BLUE LED 2x1W/100-240V
Electronic power supply included
T 45° < 80°C



MODUL ELECTRO
www.modulelectro.ru



led

OMNIDIRECTIONAL
052704
QT 14 60W/230V G9



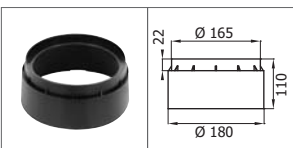
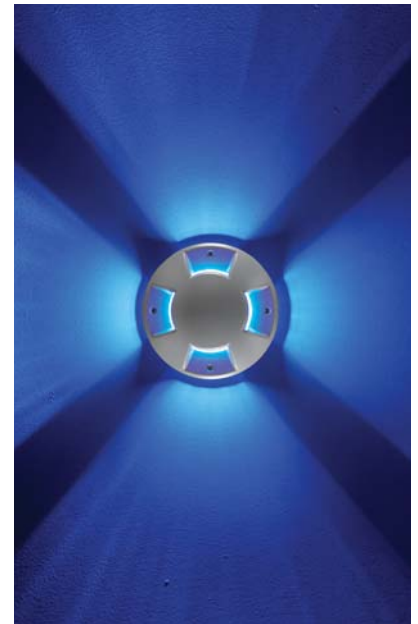
0512904
4 COOL WHITE LED 4x1W/100-240V
Electronic power supply included
T 45° < 80°C



0513004
4 WARM WHITE LED 4x1W/100-240V
Electronic power supply included
T 45° < 80°C



0513104
4 BLUE LED 4x1W/100-240V
Electronic power supply included
T 45° < 80°C



15
BOX FOR INSTALLATION
Ø 180 H 80 mm

New Vega

IP67   

Description

Recessed round luminaire with lateral light emission for outdoor installation on ground. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish cap, moulded silicone gasket and moulded tempered transparent glass. New Vega is capable of withstanding light vehicular traffic.

Versions Available

Light emission:

- unidirectional: one 90° lateral window
- bidirectional: two 90° opposite lateral windows
- omnidirectional: four 45° cross lateral windows

Diffuser:

- transparent glass (VT)

Light Sources

All versions:

- 100W QT32 E27 halogen lamp
- 18W TC-T Gx24d-2 or 18W TC-TEL Gx24q-2 compact fluorescent lamp
- 20W HIT G8,5 metal halide lamp (electronic ballast)

Dimensions

Round frame: Ø 180mm

Convexity: 33mm

Recessing depth (including box for installation): 250mm

Technical Features

Protection Rating: IP67

- In compliance with EN 60598-1 standards






Class of insulation: I

Installation

Wiring through two M16 plastic cable glands (Ø <10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >400mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red



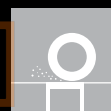
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 40 cm.



The fitting is equipped with 1 cable input

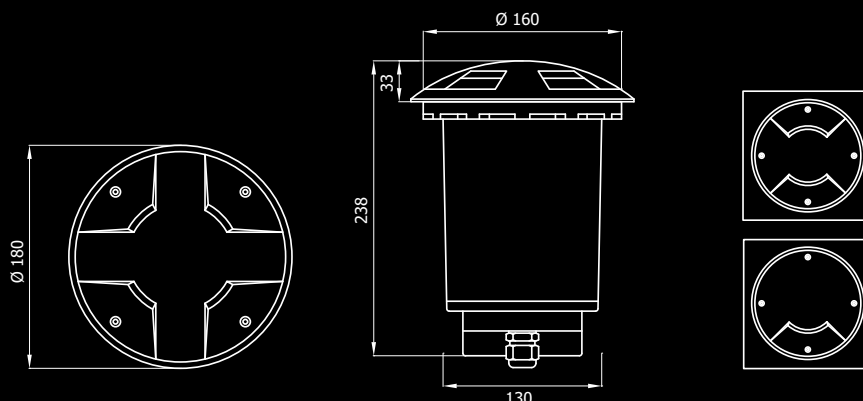


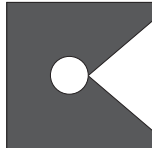
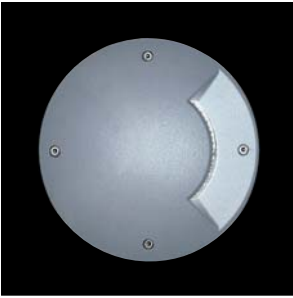
Maximum load (vehicular traffic): 2000 kg 10 km/h



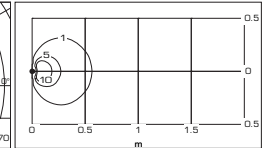
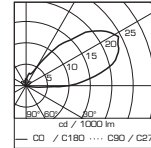
Protection against impact.

IK 09 - 10,00 joule

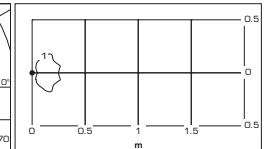
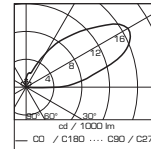




UNIDIRECTIONAL
050101
QT 32 100W E27

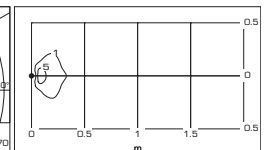
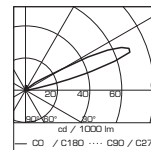


052301
TC-T 18W Gx24 d-2

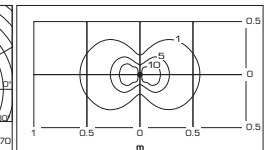
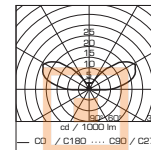


058501
TC-TEL 18W Gx24 q-2
Electronic ballast

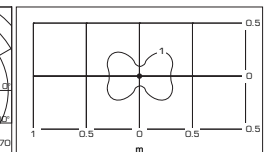
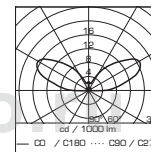
056601
HIT 20W G8,5
Electronic ballast



BIDIRECTIONAL
050102
QT 32 100W E27

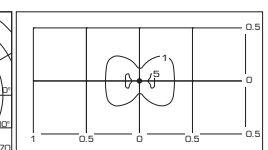
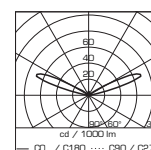


052302
TC-T 18W Gx24 d-2

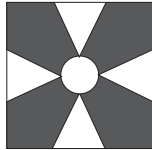
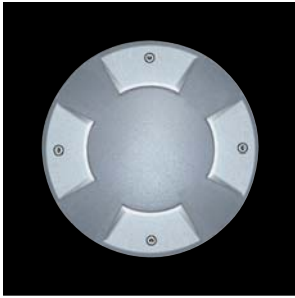


058502
TC-TEL 18W Gx24 q-2
Electronic ballast

056602
HIT 20W G8,5
Electronic ballast

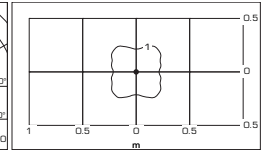
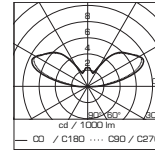


NEW VEGA

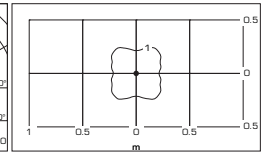
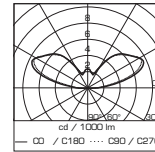


OMNIDIRECTIONAL

050104
QT 32 100W E27

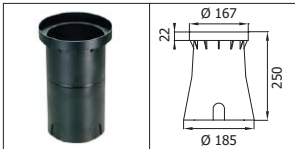
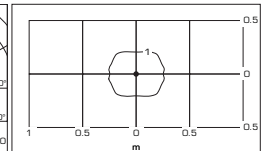
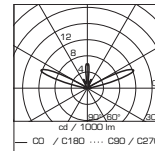


052304
TC-T 18W Gx24 d-2



058504
TC-TEL 18W Gx24 q-2
Electronic ballast

056604
HIT 20W G8,5
Electronic ballast



58
BOX FOR INSTALLATION
Ø 167 H 250 mm

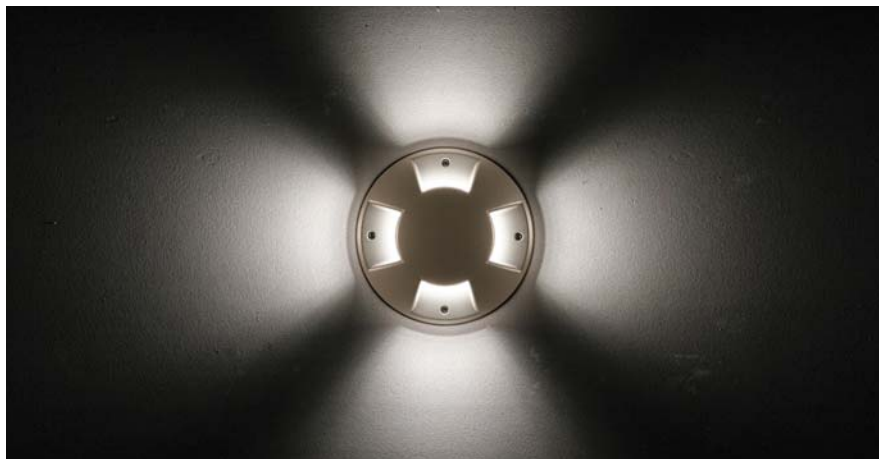


75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68

MODUL
ELECTRO
www.modulelectro.ru





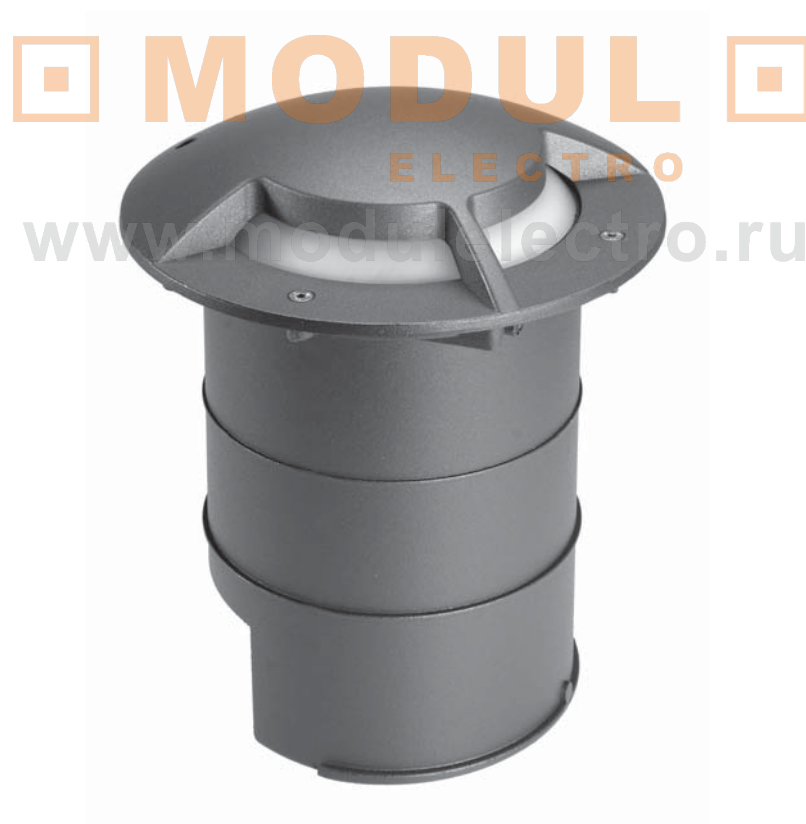
MODUL
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MODUL
ELECTRIC

www.modul.si

Petra Dome is part of Petra family but it can be equipped with a series of die-cast aluminium domes (four colours available) offering alternative light emissions (uni-, bi- and omnidirectional). This added feature, together with a high mechanical resistance, makes Petra Dome suitable to highlight walkways and areas subject to light vehicular traffic.



Petra Dome

IP67  

Description

Recessed round luminaire with lateral light emission for outdoor installation on ground. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish cap, moulded silicone gasket and moulded tempered opal glass. Petra Dome is capable of withstanding light vehicular traffic.

Versions Available

Light emission:

- unidirectional: one lateral window
- bidirectional: two opposite lateral windows
- omnidirectional: 360° emission through radial cap

Diffuser:

- opal glass (VO)

Light Sources

All versions:

- 150W QT32 E27 halogen lamp
- 18W TC-D Gx24d-2 or 18W TC-DEL Gx24q2 compact fluorescent lamp
- 26W TC-D Gx24d-3 or 26W TC-DEL Gx24q-3 compact fluorescent lamp
- 42W TC-TEL Gx24q-4 compact fluorescent lamp
- 35W or 70W HIT G12 metal halide lamp

Dimensions

Round frame: Ø 225mm

Convexity: 45mm

Recessing depth (including box for installation): 250mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards






Class of insulation: I

Installation

Wiring through two M20 plastic cable glands (Ø <13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >400mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessory on request: polypropylene box for installation

Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red



The fitting must not be installed in hollow areas.



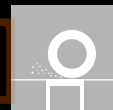
An efficient drainage of water with a layer of gravel should be foreseen - 40 cm.



The fitting is equipped with 1 cable input

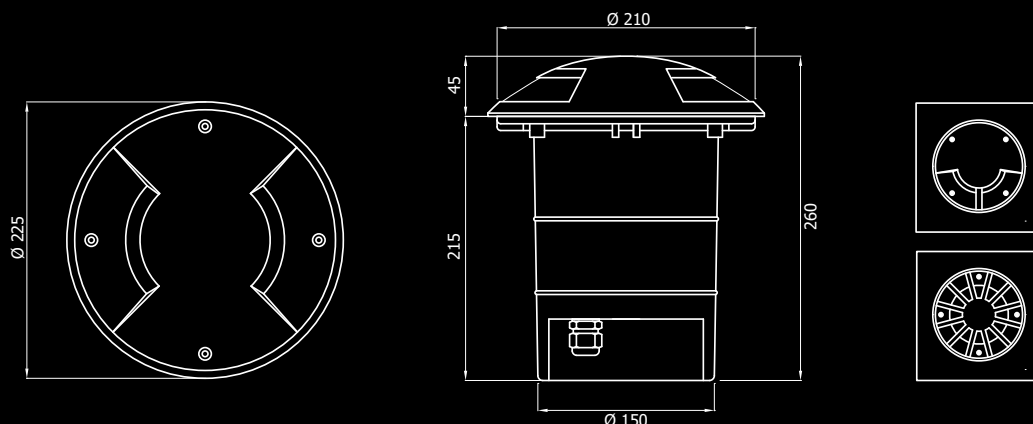


Maximum load (vehicular traffic): 2000 kg 10 km/h



Protection against impact.

IK 09 - 10,00 joule

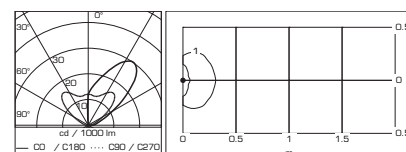


PETRA DOME

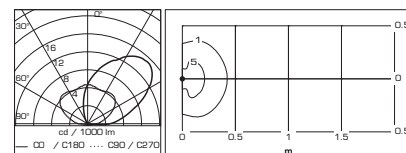


UNIDIRECTIONAL

110107
QT 32 150W E27



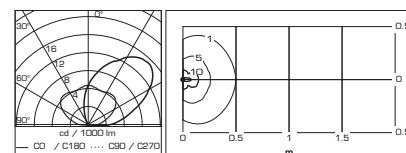
110707
TC-D 18W G24 d-2



115907
TC-DEL 18W G24 q-2
Electronic ballast



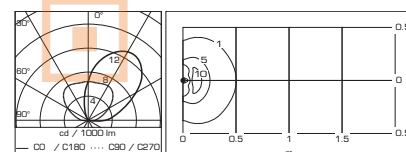
110907
TC-D 26W G24 d-3



116107
TC-DEL 26W G24 q-3
Electronic ballast

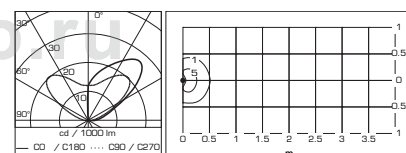
MODULO
ELECTRO

112107
TC-TEL 42W Gx24 q-4
Electronic ballast

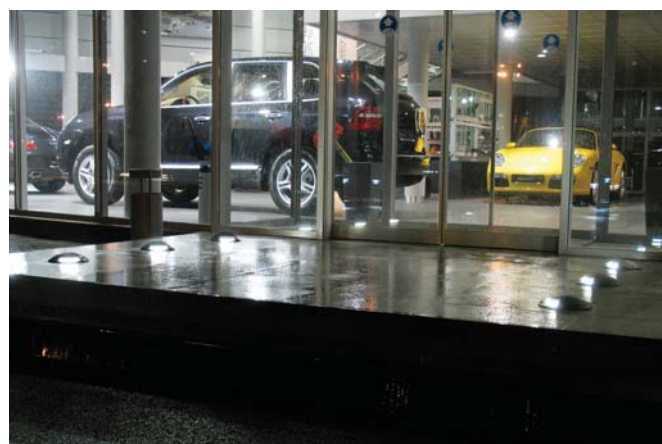
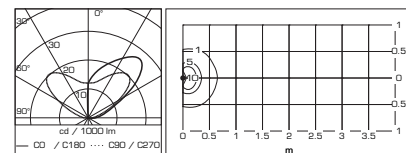


www.moduloelectro.ru

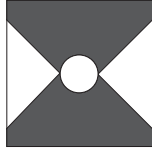
113507
HIT 35W G12



117107
HIT 70W G12

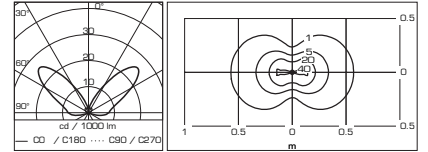


PETRA DOME

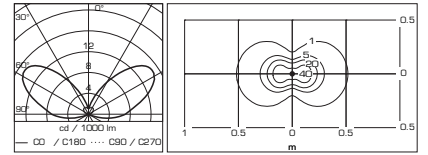


BIDIRECTIONAL

110102
QT 32 150W E27

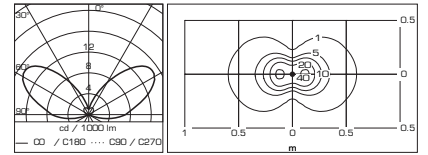


110702
TC-D 18W G24 d-2



115902
TC-DEL 18W G24 q-2
Electronic ballast

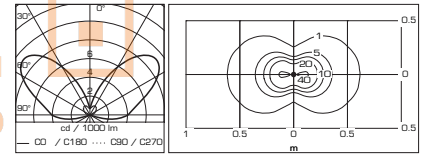
110902
TC-D 26W G24 d-3



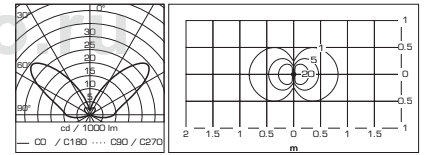
116102
TC-DEL 26W G24 q-3
Electronic ballast



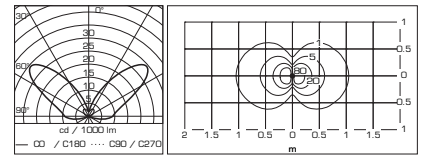
112102
TC-TEL 42W Gx24 q-4
Electronic ballast



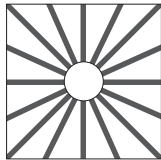
113502
HIT 35W G12



117102
HIT 70W G12

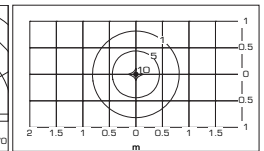
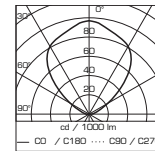


PETRA DOME

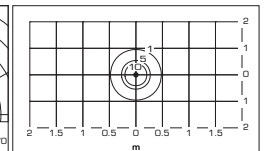
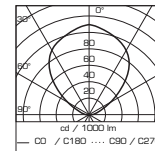


OMNIDIRECTIONAL

110106
QT 32 150W E27

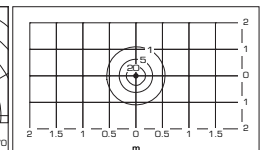
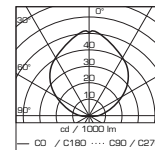


110706
TC-D 18W G24 d-2



115906
TC-DEL 18W G24 q-2
Electronic ballast

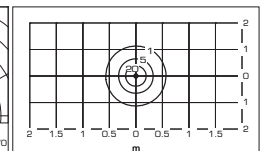
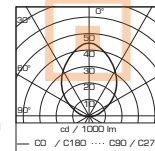
110906
TC-D 26W G24 d-3



116106
TC-DEL 26W G24 q-3
Electronic ballast

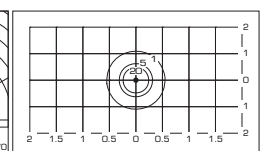
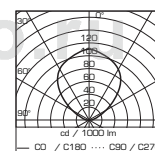
MODULO
ELECTRO

112106
TC-TEL 42W Gx24 q-4
Electronic ballast

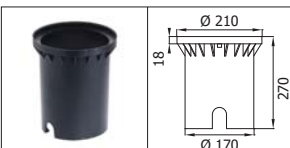
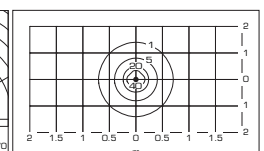
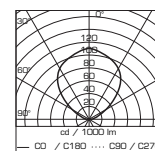


www.modulelectro.com

113506
HIT 35W G12



117106
HIT 70W G12



26
BOX FOR INSTALLATION
Ø 210 H 270 mm



75
3 way terminal
block 3 poles
IP 68



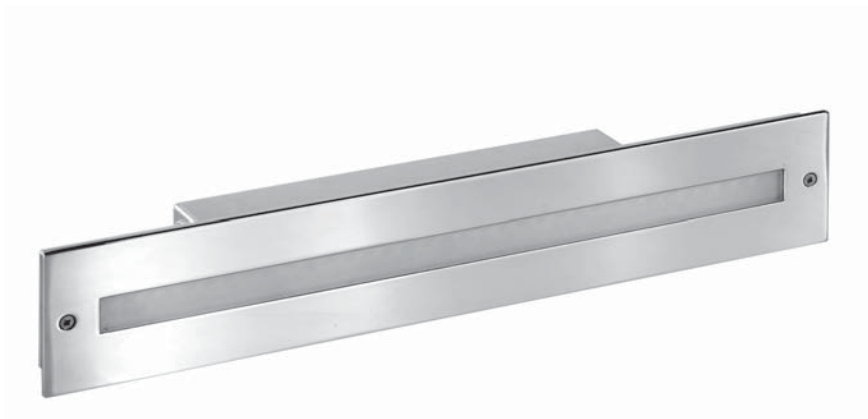
76
2 way terminal
block 3 poles
IP 68



MODUL
ELECTRICAL
www.modulelectrical.com

Andromeda led is a recessed light fixture for installation on ground and wall, outdoor as well as indoor. Its main strengths are a low profile structure - suitable for highlighting steps and walls; a high degree of protection (IP67) and a stainless steel frame - allowing installation on extreme settings; and the possibility of an end-to-end installation - ideal to delineate pathways. Andromeda is equipped with a long-life, high-output, low-consumption led module: that is why it can be considered a maintenance-free luminaire.

MODULO
ELECTRO
www.modulelectro.ru



Description

Recessed or surface mounted rectangular luminaire for outdoor installation on ground or on wall, expressly designed to host led-module light source. Configuration: fibreglass reinforced polypropylene structure with bright stainless steel finish frame, moulded silicone gasket and polycarbonate diffuser (opal or transparent). Andromeda is capable of withstanding pedestrian traffic.

Versions Available

Diffuser:

- transparent polycarbonate
- opal polycarbonate

Light Sources

36-led module (white or blue light) 3,6W/24V DC.
(Electronic power supply has to be ordered separately)

Dimensions

Rectangular frame: 337x60mm

Recessing depth (including box for installation): 60mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: III

Installation

Wiring through two M16 plastic cable glands ($\varnothing < 10\text{mm}$ cables) already equipped with a piece of cable. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" for recessed installation and a dedicated "fixing box" for surface installation (both to be ordered separately). It is important to provide a $>300\text{mm}$ gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation. Accessories on request:

- polypropylene box for recessed installation
- stainless steel fixing box for surface installation

Colours Available



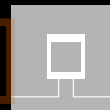
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 30 cm



Recessed wall fitting



The fitting is equipped with 2 cable input



The power supply (220/240V) must be installed on remote position

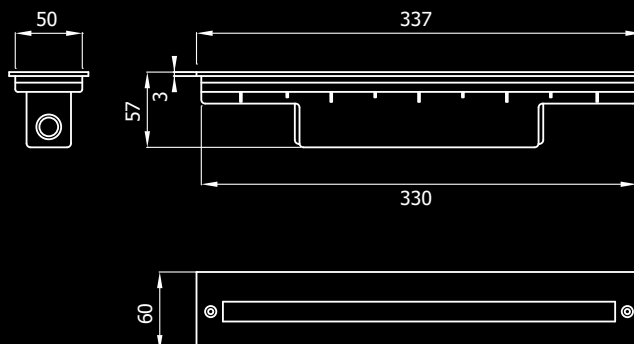


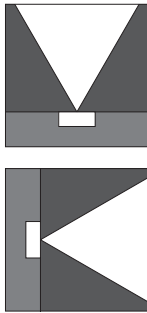
According to CEI EN 60598-2-13



Protection against impact.

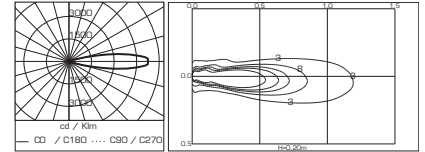
IK 10 - 20,00 joule



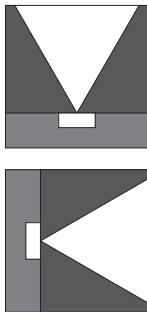


TRANSPARENT DIFFUSER

836666
 36 WHITE LED MODULE 24V/3,6W d.c.
 Remote electronic power supply
 to be ordered
 T 40° < 80°C

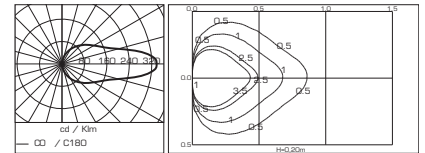


836866
 36 BLUE LED MODULE 24V/3,6W d.c.
 Remote electronic power supply
 to be ordered
 T 40° < 80°C



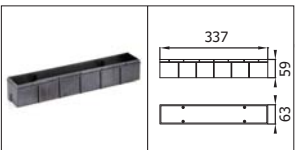
OPAL DIFFUSER

836677
 36 WHITE LED MODULE 24V/3,6W d.c.
 Remote electronic power supply
 to be ordered
 T 40° < 80°C

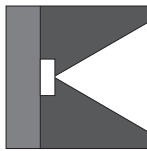
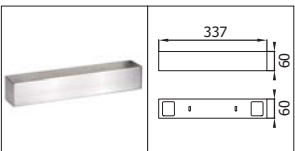


836877
 36 BLUE LED MODULE 24V/3,6W d.c.
 Remote electronic power supply
 to be ordered
 T 40° < 80°C

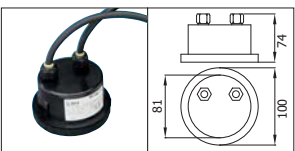
MODULO
ELECTRO



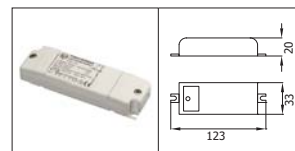
61
 BOX FOR INSTALLATION
 337 x 63 H 59 mm



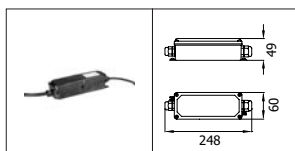
66
 BOX IN STAINLESS STEEL
 FOR WALL USE



86
 POWER SUPPLY FOR LED MODULE
 220/240V 20W 24Vd.c. IP68
 Electronic power supply



87
 POWER SUPPLY FOR LED MODULE
 220/240V 10W 24Vd.c.
 Electronic power supply



110
 POWER SUPPLY FOR LED MODULE
 230/240V 70W 24V d.c. IP67



MODUL
ELECTRO

www.modul-electro.com

With Cielo designers have the possibility to highlight building facades with a minimum visual impact.

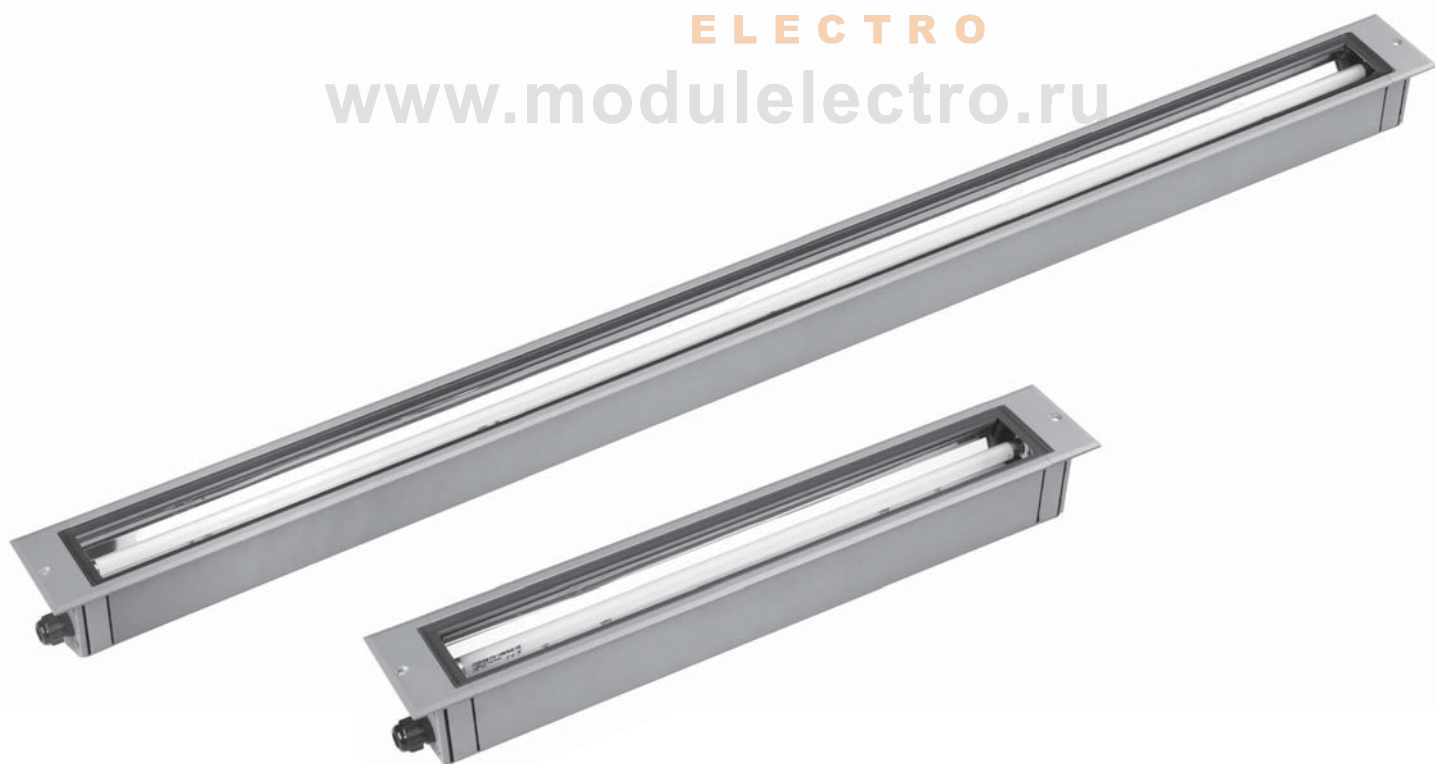
The minimal design of this fitting makes it ideal for both indoor and outdoor use, furthermore, its wall washer effect perfectly emphasises architectural peculiarities.

Cielo makes possible a professional uplighting with limited glass temperature.

The fitting is equipped with a class II wiring allowing use even in public areas.

MODULO
ELECTRO

www.modulelectro.ru



Description:

Recessed linear luminaire for outdoor/indoor installation on ground or wall. Configuration: phospho-chromatised and polyester powder coated extruded aluminium structure with double closing head on each side allowing an easy and safe maintenance, 8mm thick tempered transparent glass with silkscreen border mechanically fixed to the body by a silicone adhesive. Stainless steel screws and moulded silicone gasket. Electrical components are installed on a removable frame.

Versions Available

Optic:

- fixed symmetric and asymmetric optic available for the whole range.

Diffuser:

- standard transparent glass with silkscreen border (VT) on request sandblasted glass (VS)

Light sources

645mm version :

- 14W T16 G5 linear fluorescent lamp with electronic ballast

1245mm version :

- 28W T16 G5 linear fluorescent lamp with electronic ballast

1545mm version:

- 35W T16 G5 linear fluorescent lamp with electronic ballast

Dimensions

Width: 645 mm, 1245mm and 1545mm

Height: 100mm

Depth: 80mm

Technical features

Protection Rating: IP67

- In compliance with EN 60598-1 standards

Class of insulation: II


Installation

Wiring through two plastic M20 cable glands ($\varnothing < 13\text{mm}$ cables) placed on one end. Between the two closing heads on said side a plastic box allows the connection to the removable electric module. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >200mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessories on request:

- box for installation: pre-galvanized metal structure with stainless steel fixing heads
- fixing frame: fixing metal frame for installation on plaster walls (only for 645mm and 1245mm versions)

Colours Available

 .2 aluminium



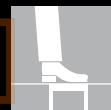
The fitting must not be installed in hollowed areas.



An efficient drainage of water with a layer of gravel should be foreseen - 20 cm.



The fitting is equipped with 2 cable input

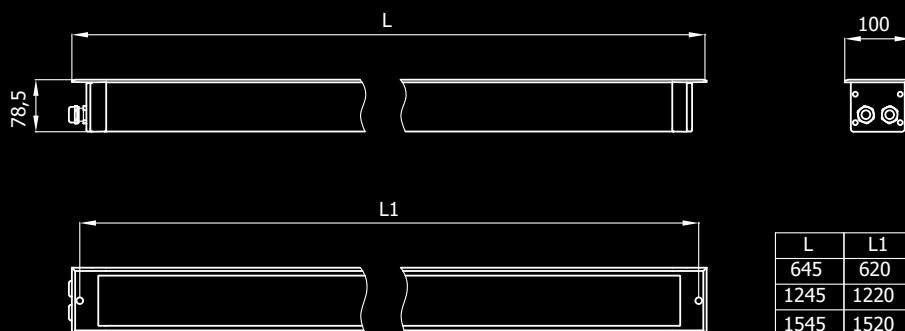


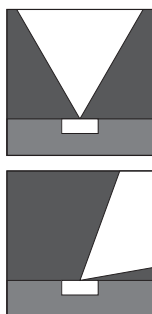
Maximum load (pedestrian traffic): 1200 kg



Protection against impact.

IK 09 - 10,00 joule

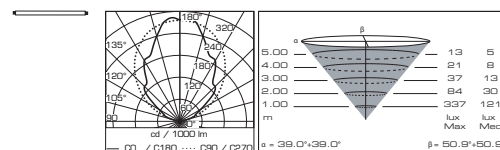




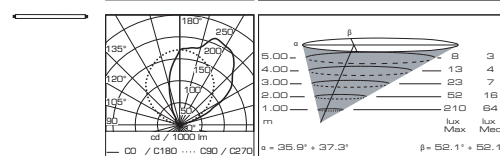
85x610 mm

645 mm VERSION

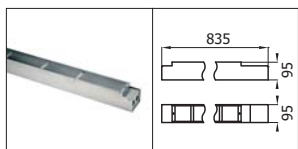
944213*
T16 14W G5
Electronic ballast



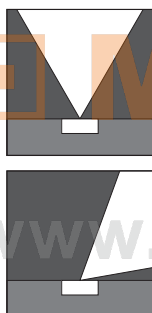
944214*
T16 14W G5
Electronic ballast



* standard transparent glass
on request sandblasted glass (VS)



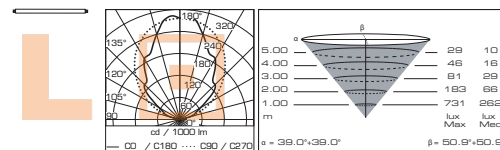
71
BOX FOR INSTALLATION
835 x 95 H 95 mm



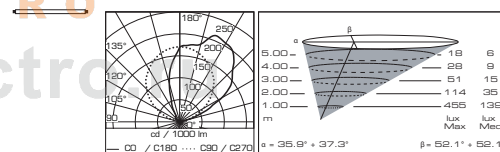
85x1210 mm

1245 mm VERSION

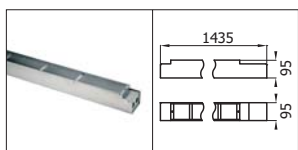
944813*
T16 28W G5
Electronic ballast



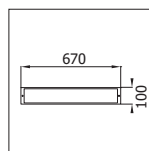
944814*
T16 28W G5
Electronic ballast



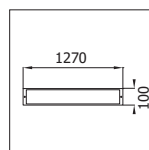
* standard transparent glass
on request sandblasted glass (VS)



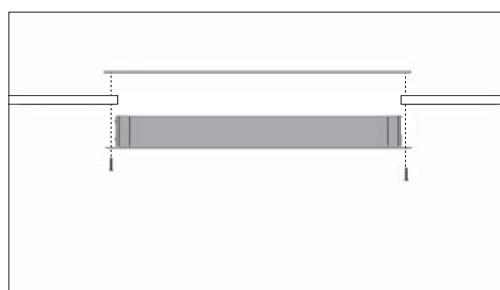
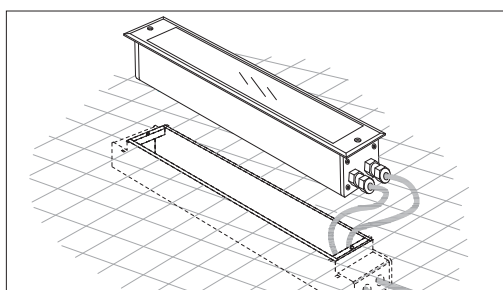
72
BOX FOR INSTALLATION
1435 x 95 H 95 mm



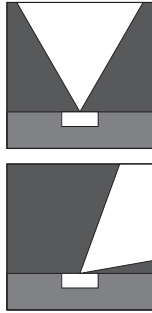
81
FRAME FOR CIELO L. 645
FOR CEILING



82
FRAME FOR CIELO L. 1245
FOR CEILING



CIELO



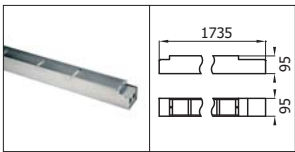
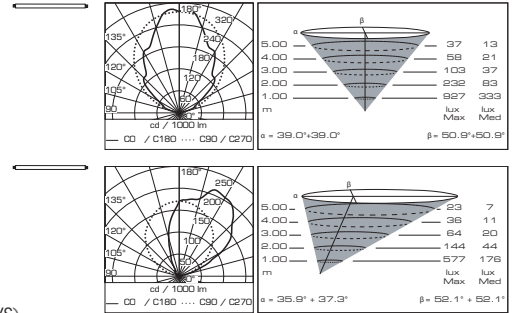
85x1510 mm

1545 mm VERSION

945413*
T16 35W G5
Electronic ballast

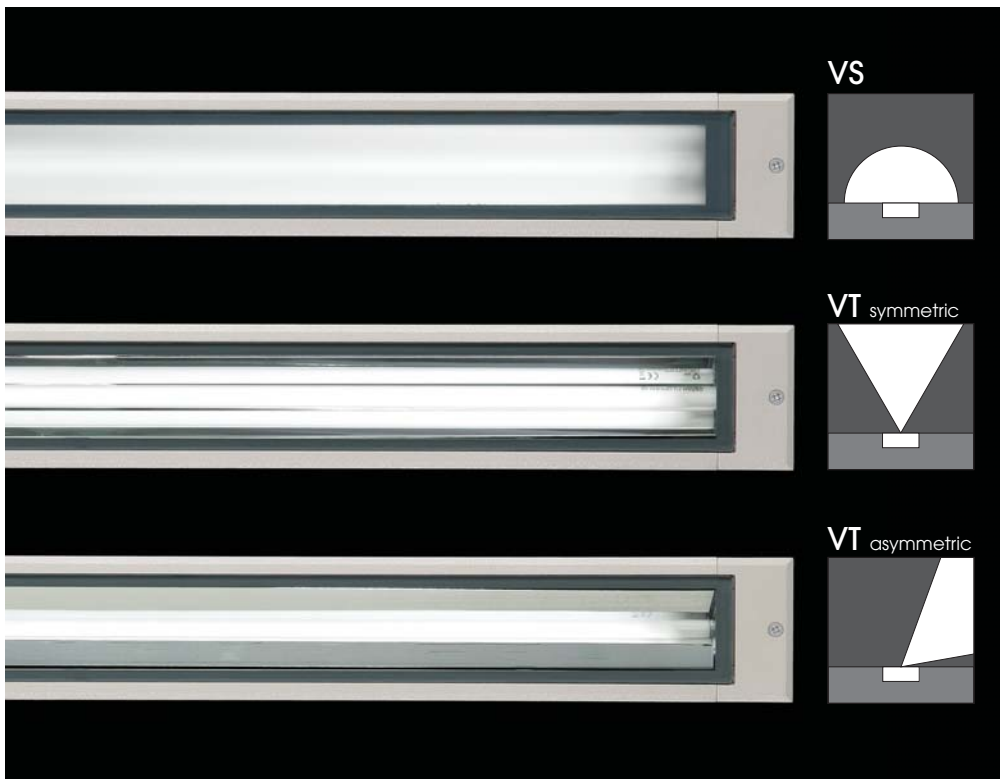
945414*
T16 35W G5
Electronic ballast

* standard transparent glass
on request sandblasted glass (VS)



80
BOX FOR INSTALLATION
1735 x 95 H 95 mm

MODULO
ELECTRO
www.modulelectro.ru



 **MODUL** 
ELECTRO

www.modulelectro.ru



Description:

Recessed linear luminaire for outdoor/indoor installation on ground or wall. Configuration: phospho-chromatised and polyester powder coated extruded aluminium structure with double closing head on each side allowing an easy and safe maintenance, 8mm thick tempered transparent glass with silkscreen border mechanically fixed to the body by a silicone adhesive. Stainless steel screws and moulded silicone gasket. Electrical components are installed on a removable frame.

Versions Available

Optic:

- fixed symmetric

Diffuser:

- transparent glass with silkscreen border (VT)

Light emission: wide beam 40°

Light sources

645mm version :

12 led module 12W/110-240V (cool-white 5500 K, warm-white 3000 K, and blue 475nm)
(transformer integrated into the module)

1245mm version :

24 led module 24W/110-240V (cool-white 5500 K, warm-white 3000 K, and blue 475nm)
(transformer integrated into the module)

Dimensions

Width: 645 mm, 1245mm

Height: 100mm

Depth: 80mm

Technical features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two plastic M20 cable glands ($\varnothing < 13\text{mm}$ cables) placed on one end. Between the two closing heads on said side a plastic box allows the connection to the removable electric module. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately). It is important to provide a >200mm gravel layer or a drain system (if the box is installed on a concrete surface) to ensure good drainage and to avoid water stagnation.

Accessories on request:

- box for installation: pre-galvanized metal structure with stainless steel fixing heads
- fixing frame: fixing metal frame for installation on plaster walls (only for 645mm and 1245mm versions)

Colours Available



.2 aluminium



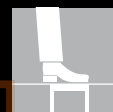
The fitting must not be installed in hollow areas.



An efficient drainage of water with a layer of gravel should be foreseen - 20 cm.



The fitting is equipped with 2 cable input

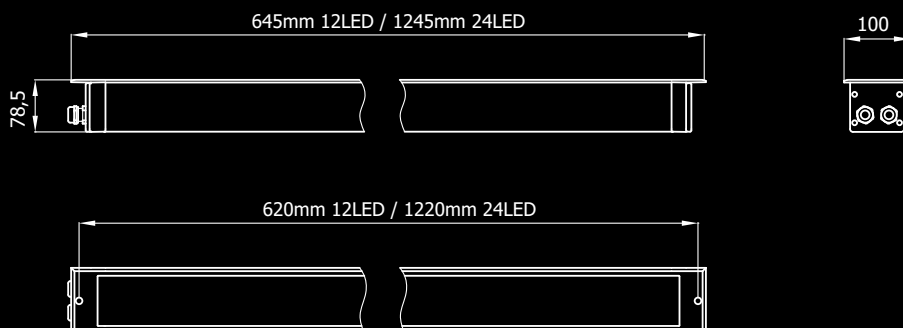


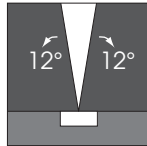
Maximum load (pedestrian traffic): 1200 kg



Protection against impact.

IK 09 - 10 ,00 joule





85x610 mm

L645

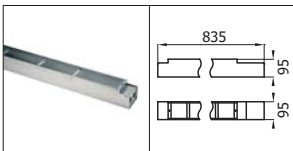
948213
12 COOL WHITE LED 12x1W/110-240V
Electronic power supply included
T 45° < 80°C



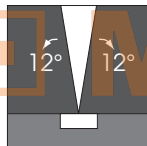
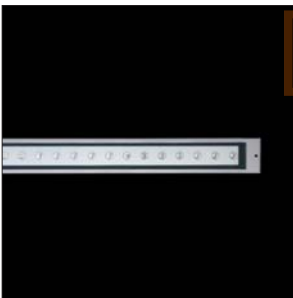
948313
12 WARM WHITE LED 12x1W/110-240V
Electronic power supply included
T 45° < 80°C



948413
12 BLUE LED 12x1W/110-240V
Electronic power supply included
T 45° < 80°C



71
BOX FOR INSTALLATION
835 x 95 H 95 mm



85x1210 mm

L1245

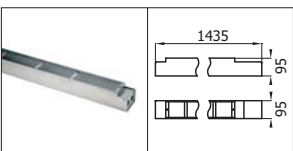
947913
24 COOL WHITE LED 24x1W/110-240V
Electronic power supply included
T 45° < 80°C



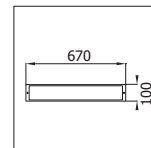
948013
24 WARM WHITE LED 24x1W/110-240V
Electronic power supply included
T 45° < 80°C



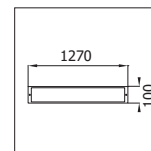
948113
24 BLUE LED 24x1W/110-240V
Electronic power supply included
T 45° < 80°C



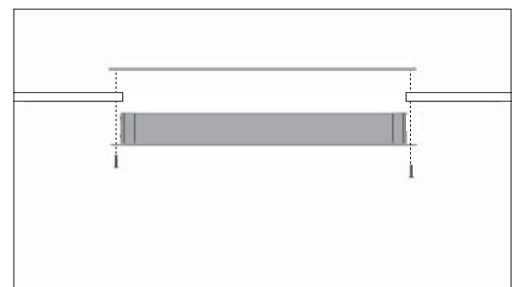
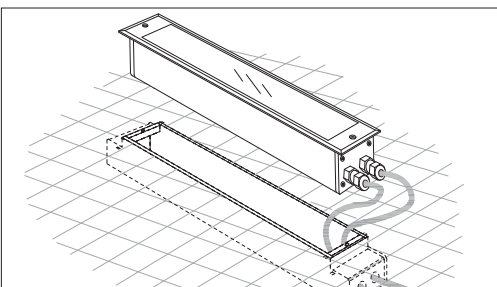
72
BOX FOR INSTALLATION
1435 x 95 H 95 mm



81
FRAME FOR CIELO L. 645
FOR CEILING



82
FRAME FOR CIELO L. 1245
FOR CEILING





MODUL
ELECTRO
www.modulelectro.ru

Small recessed luminaire with a clear-cut, stylish design. The total absence of the glare effect allows installation on public areas, indoor as well as out - door: pathways, hallways and corridors.

MODUL
ELECTRO
www.modulelectro.ru



Description

Slim luminaire for outdoor installation on wall. Configuration: die-cast aluminium structure with moulded polycarbonate emitting unit and polished aluminium frame fixed by double-sided technical tape. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment.

Versions Available

Emission:

the luminaire can be installed with emission in every direction

Installation:

- directly on wall by using self-tapping screws
- screwed to a recessed box (to be ordered separately) for the installation of a dedicated power supply

Light sources

3,5W/24Vdc led module (cool-white 6000 K and warm-white 3000 K)*

* Remote power supply to be ordered separately

Accessories on request:

- power supply 20W/24V
- power supply 70W/24V
- power supply 6W/100-240V (to be used with the dedicated recessed box)

Dimensions

rectangular structure: 80x115x11mm

Technical features

Protection rating: IP65 in compliance with EN 60598-1

Class of insulation: III

Installation

The luminaire is equipped with two cables for an easy-to-make connection (please provide effective insulation on the connection) – two solutions possible:

- 24V feeding with remote power supply
- 230V feeding with power supply hosted into a dedicated box (to be ordered separately)

Accessory on request: dedicated box for installation of 6W/24V power supply

Colours Available



Recessed wall fitting



The fitting is equipped with 1 cable input



Full cut-off luminaire (no light pollution)

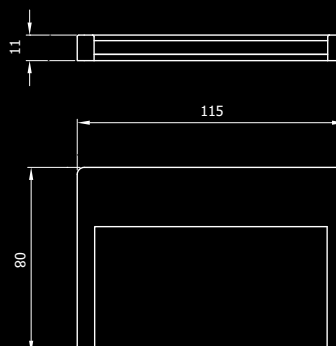
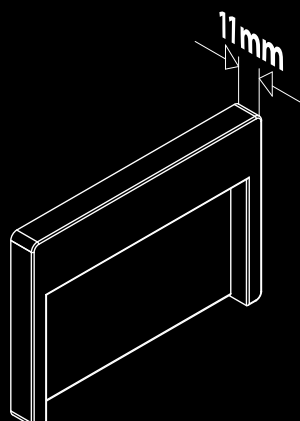


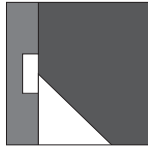
Protection against impact.

IK 08 - 5,00 joule

MODUL

www.modulelectro.ru

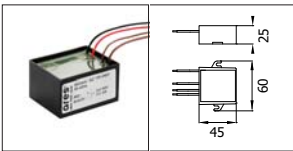




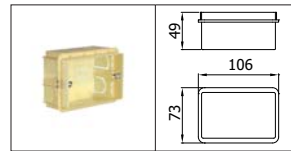
1029400
 1 COOL WHITE LED 1x3,5W/24V d.c
 Remote electronic power supply to be ordered
 T 40°C < 80°C



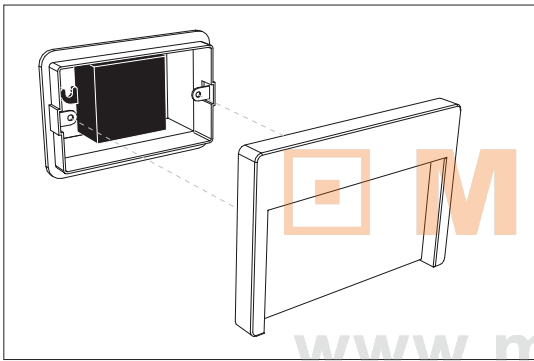
1029500
 1 WARM WHITE LED 1x3,5W/24V d.c
 Remote electronic power supply to be ordered
 T 40°C < 80°C



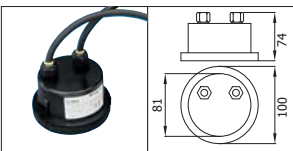
106
 POWER SUPPLY FOR LED MODULE
 100-240 V 6W IP65



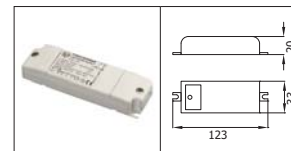
105
 BOX FOR INSTALLATION
 106 x 73 H 49 mm



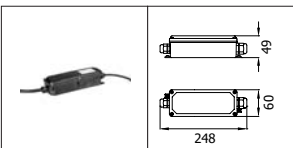
MODULE
ELECTRO
www.modulelectro.ru



86
 POWER SUPPLY FOR LED MODULE
 220/240V 20W 24Vd.c. IP68
 Electronic power supply



87
 POWER SUPPLY FOR LED MODULE
 220/240V 10W 24Vd.c.
 Electronic power supply

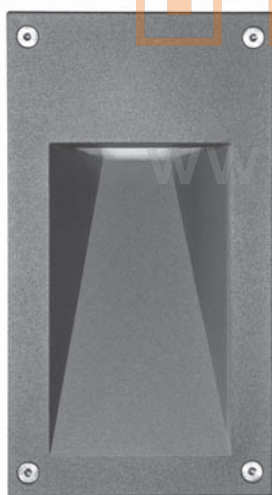


110
 POWER SUPPLY FOR LED MODULE
 230/240V 70W 24V d.c. IP67



MODUL
ELECTRO
www.modulelectro.ru

Alice family includes recessed fittings equipped with incandescent and fluorescent lamps which offer the advantage of lighting while avoiding the annoyance of the glare effect. Alice allows the highlighting of both indoor and outdoor pathways and stairways. Its clear-cut design suits almost every kind of architecture, that is why Alice family is ideal wherever a walkway needs to be lighted.



MODUL
ELECTRO
www.modulelectro.ru

Description

Compact recessed luminaire for outdoor installation on wall. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frame, tempered sandblasted top glass, moulded silicone gaskets and stainless steel screws.



Recessed wall fitting

Versions available

Finish-frame designs:

- "all light"
- "louvre"
- "horizontal frame - directed light"
- "vertical frame - directed light"

Diffuser:

- sandblasted glass (VS)



The fitting is equipped with 2 cable input



Protection against impact.

IK 08 - 5,00 joule

Light sources

Vertical version :

- 60W QT-DE R7s (74,9mm) halogen lamp
- 7W T2 GX53 fluorescent lamp

Horizontal version:

- 18W TC-D G24d-2 or 18W TC-DEL G24q-2 or 26W TC-D G24 d-3 compact fluorescent lamp
- 60W QT32 E27 halogen lamp

All light and louvre version:

- 18W TC-D G24d-2 or 18W TC-DEL G24q-2 or 26W TC-D G24d-3 compact fluorescent lamp

Dimensions:

Width: 230mm • Height: 125mm • Depth: 100mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1






Class of insulation: I

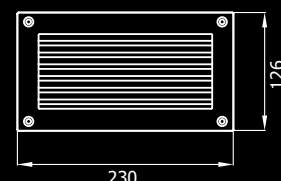
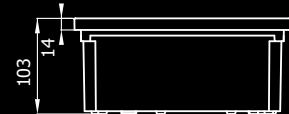
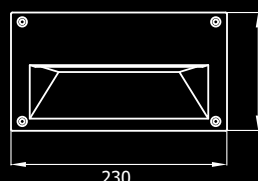
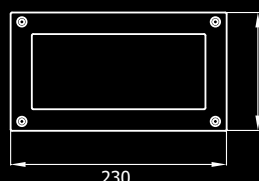
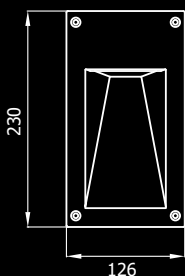
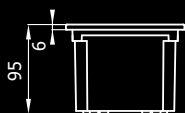
Installation

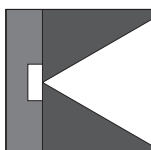
Wiring through two M16 plastic cable glands ($\varnothing < 10$ mm cables) placed on the back side of the fitting. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately).

Accessory on request: polypropylene box for installation

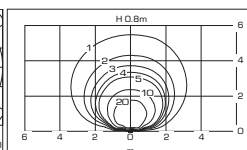
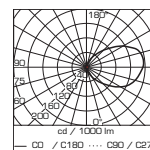
Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red



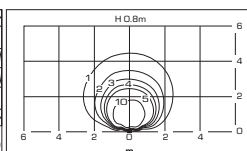
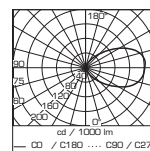


ALL LIGHT
820123
QT32 60W E27

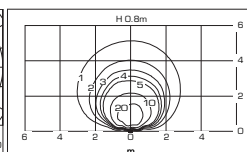
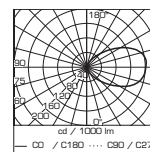


820723
TC-D 18W G24d-2

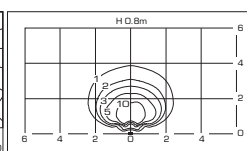
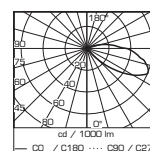
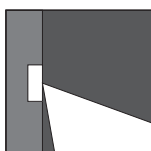
825923
TC-DEL 18W G24q-2
Electronic ballast



820923
TC-D 26W G24d-3

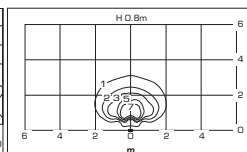
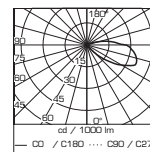


LOUVRE
820105
QT32 60W E27

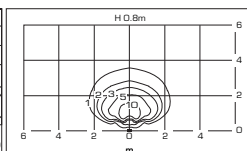
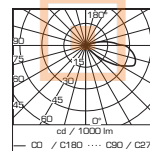


820705
TC-D 18W G24d-2

825905
TC-DEL 18W G24q-2
Electronic ballast

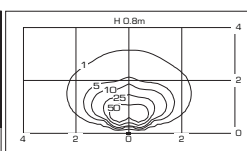
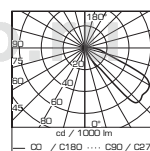


820905
TC-D 26W G24d-3



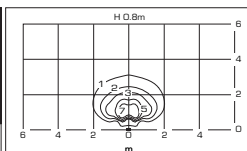
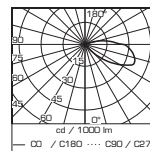
HORIZONTAL FRAME

820117
QT32 60W E27

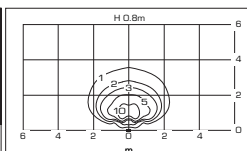
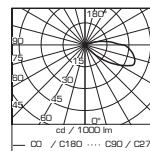


820717
TC-D 18W G24d-2

825917
TC-DEL 18W G24q-2
Electronic ballast

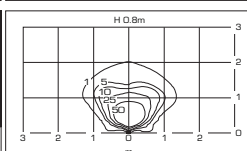
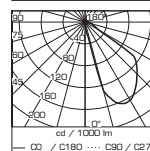


820917
TC-D 26W G24d-3

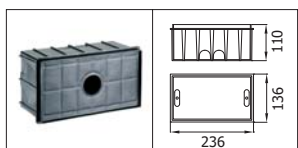
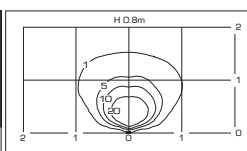
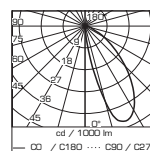


VERTICAL FRAME

821818
QT-DE 12 60W R7S



821018
T2 7W/230V GX53-1

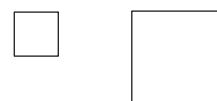


77
BOX FOR INSTALLATION
236 x 136 H 110 mm

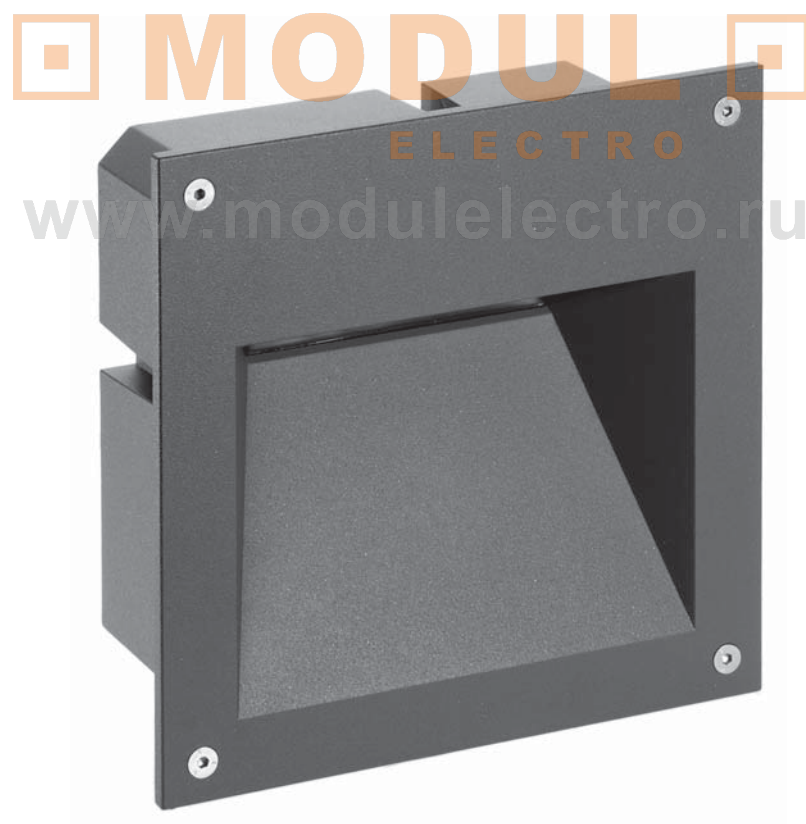


MODUL
ELECTRO

www.modulelectro.ru



Alfia family is composed of square recessed luminaires for wall (two sizes available) whose main feature is an anti-glare downward light emission. Alfia finds its perfect setting on parking ramps and pedestrian areas - where it can also be mounted on post. The range of available light sources is a great asset even to most demanding designers.



Mini Alfa

IP54

Description

Recessed luminaire for outdoor installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frame, moulded silicone gasket and tempered transparent glass.



Recessed wall fitting

Versions Available

Diffuser:

- transparent glass (VT)



The fitting is equipped with 2 cable input

Light Sources / Accessories

40W QT14 G9 halogen lamp

50W/12V QT12 GY6,35 halogen lamp (remote transformer to be ordered separately)

2 led module (warm white - white - blue) 2W 100-240V (electronic power supply included)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.



The feeding transformer (230V/12V) for low voltage must be installed on remote position.

Dimensions

Square frame: 120mm side

Recessing depth (including box for installation): 60mm



Protection against impact.

IK 08 - 5,00 joule

Technical Features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation:

- mains tension: I • low tension: III • led: II

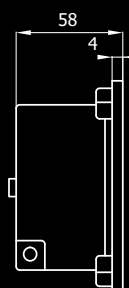
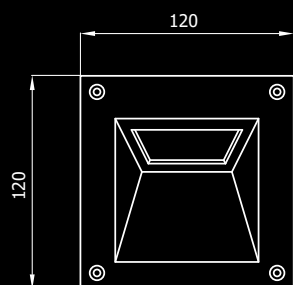
Installation

Wiring through two rubber cable holder. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately).

Accessories on request: polypropylene box for recessed installation

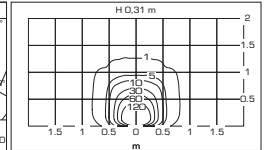
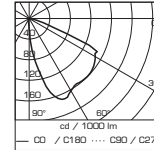
Colours Available

- .1 white
- .2 aluminium
- .3 anthracite
- .4 black
- .9 rust-red

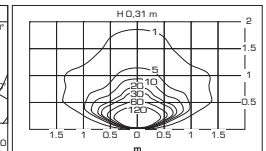
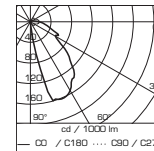




812700
QT 14 40W/230V G9

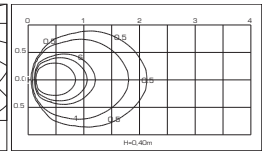
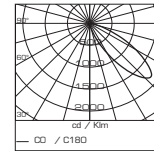


812500
QT 12 50W/12V Gy 6,35
Remote transformer to be ordered



led

816800
2 COOL WHITE LED 2x1W 100-240V
Electronic power supply included
T 45°C < 80°C



816400
2 WARM WHITE LED 2x1W 100-240V
Electronic power supply included
T 45°C < 80°C

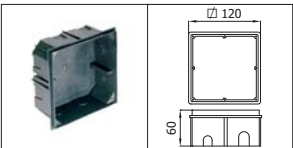


817000
2 BLUE LED 2x1W 100-240V
Electronic power supply included
T 45°C < 80°C



MODULO

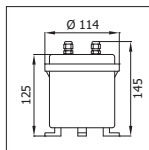
ELECTRO



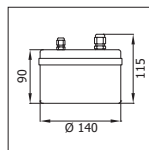
59
BOX FOR INSTALLATION
120 x 120 H 60 mm

www.modulelectro.ru

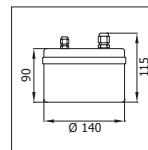
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66



Mini Alfa - Post

IP54  

Description

Square luminaire for outdoor installation on post. Configuration: phospho-chromatised and polyester powder coated extruded aluminium structure (five colours available) composed of a square post with base and Mini Alfa coated die-cast aluminium finish frame with moulded silicone gasket and tempered transparent glass.



Bollard light

Versions Available

Light emission:

- unidirectional: one lateral emission
- bidirectional: two opposite lateral emissions
- omnidirectional: four cross lateral emissions

Diffuser:

- transparent glass (VT)



The fitting is equipped with 2 cable input



Protection against impact.

IK 08 - 5,00 joule

Light Sources

- 100W QT32 E27 halogen lamp
- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp
- 35W HIT G12 metal halide lamp

Dimensions

Square section: 150x150mm

Height: 520mm

Technical Features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation: I

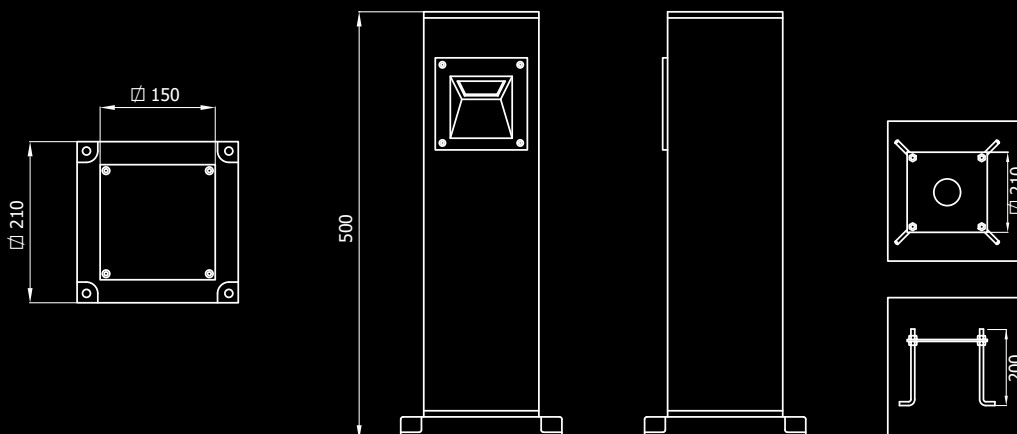
Installation

Wiring through two M20 plastic cable glands ($\varnothing < 13\text{mm}$ cables).

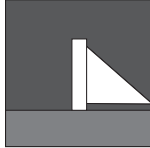
Accessories on request: fixing plate with bolts and nuts.

Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red



MINI ALFIA ON POST

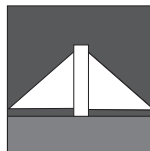
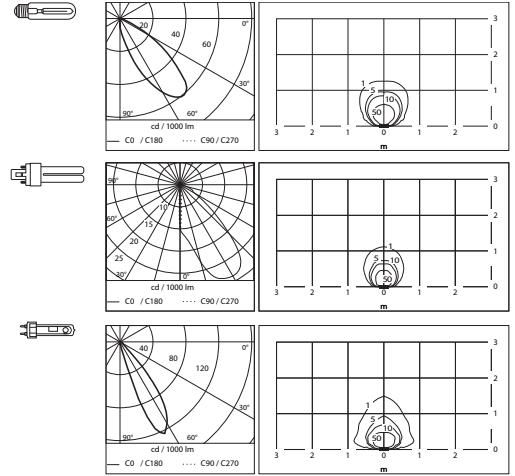


UNIDIRECTIONAL
810164
 QT 32 100W E27

810964
 TC-D 26W G24 d-3

816164
 TC-DEL 26W G24 q-3
 Electronic ballast

813564
 HIT 35W G12

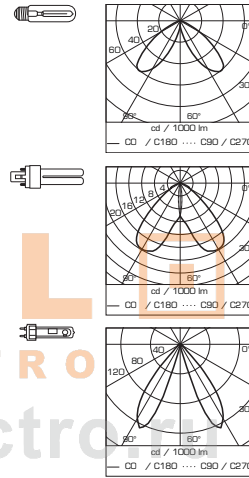


BIDIRECTIONAL
810165
 QT 32 100W E27

810965
 TC-D 26W G24 d-3

816165
 TC-DEL 26W G24 q-3
 Electronic ballast

813565
 HIT 35W G12

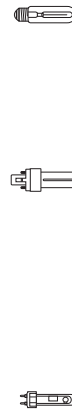


OMNIDIRECTIONAL
810166
 QT 32 100W E27

810966
 TC-D 26W G24 d-3

816166
 TC-DEL 26W G24 q-3
 Electronic ballast

813566
 HIT 35W G12



49
 BASE PLATE AND FIXING

Description

Recessed luminaire for outdoor installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frame, moulded silicone gasket and tempered transparent glass.



Recessed wall fitting

Versions Available

Diffuser:

- transparent glass (VT)



The fitting is equipped with 2 cable input

Light Sources

- 100W QT32 E27 halogen lamp
- 18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp
- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp
- 35W or 70W HIT G12 metal halide lamp
- 70W HIT-DE Rx7s metal halide lamp



Protection against impact.

IK 08 - 5,00 joule

Dimensions

Square frame: 250mm side

Recessing depth (including box for installation): 110mm

Technical Features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation:

- mains tension: I

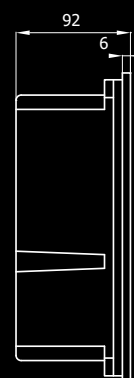
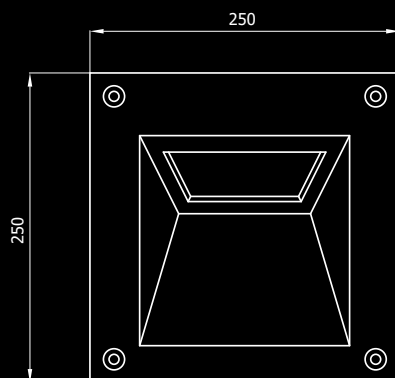
Installation

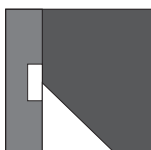
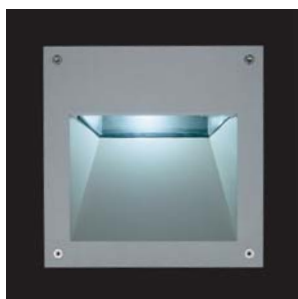
Wiring through two M16 plastic cable glands (Ø<10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a dedicated "box for installation" (to be ordered separately).

Accessories on request: polypropylene box for recessed installation

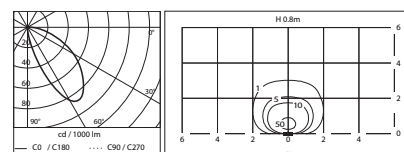
Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red

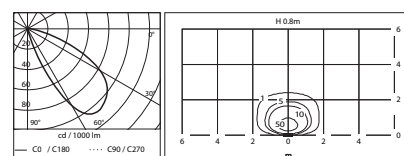




820100
QT 32 100W E27

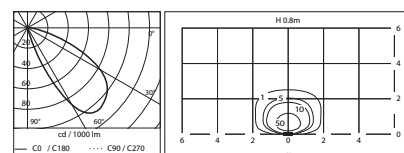


820700
TC-D 18W G24 d-2



825900
TC-DEL 18W G24 q-2
Electronic ballast

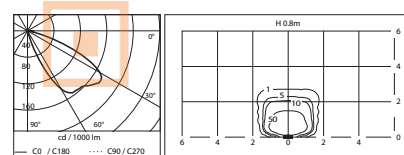
820900
TC-D 26W G24 d-3



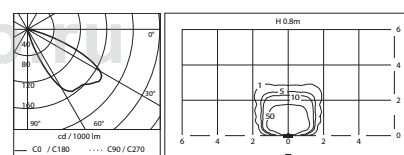
826100
TC-DEL 26W G24 q-3
Electronic ballast

MODUL ELECTRO

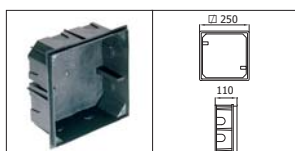
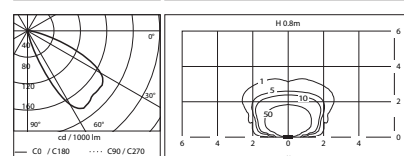
823500
HIT 35W G12



827100
HIT 70W G12



822900
HIT-DE 70W Rx7s



60
BOX FOR INSTALLATION
250 x 250 H 110 mm



Alfa Post

IP54  

Description

Square luminaire for outdoor installation on post. Configuration: phospho-chromatised and polyester powder coated extruded aluminium structure (five colours available) composed of a rectangular post with base and Alfa coated die-cast aluminium finish frame with moulded silicone gasket and tempered transparent glass.



Bollard light

Versions Available

Light emission:

- unidirectional: one lateral emission

Diffuser:

- transparent glass (VT)



The fitting is equipped with 2 cable input

Light Sources

100W QT32 E27 halogen lamp

26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

70W/230V HIT-DE Rx7s metal halide lamp



Protection against impact.

IK 08 - 5,00 joule

Dimensions

Rectangular section: 300x80mm

Height: 1000mm

Technical Features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 plastic cable glands ($\varnothing < 13$ mm cables).

Colours Available



.1 white



.2 aluminium



.3 anthracite

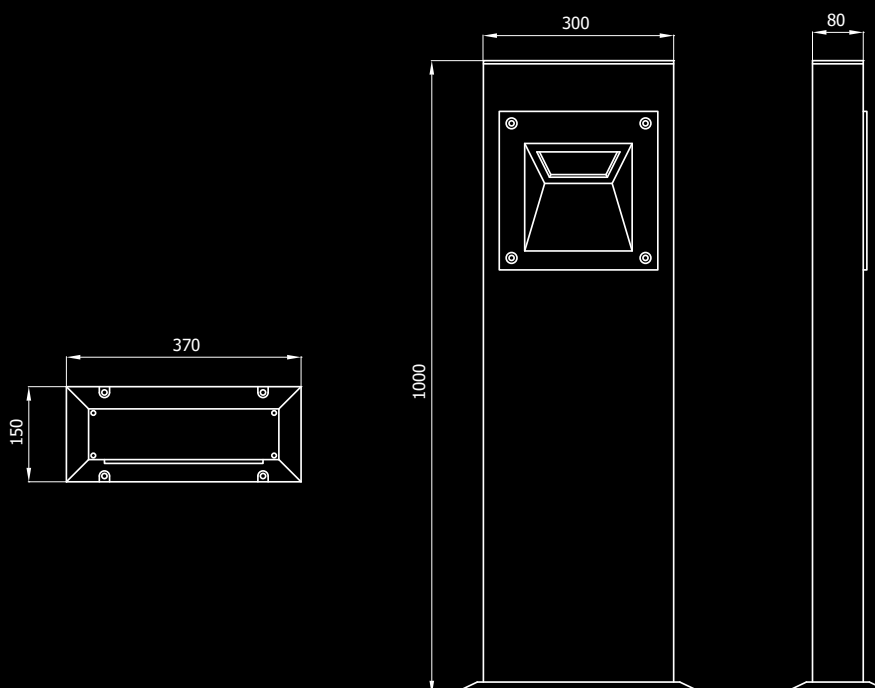


.4 black



.5 rust-red

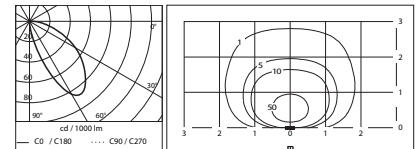
MODULO
ELECTRO
www.modulelectro.ru



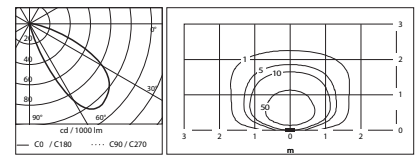
ALFIA ON POST



820164
QT 32 100W E27

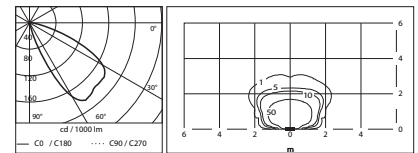


820964
TC-D 26W G24 d-3



826164
TC-DEL 26W G24 q-3
Electronic ballast

822964
HIT-DE 70W Rx7s



MODUL
ELECTRO
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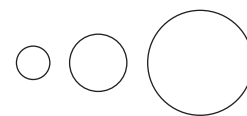




КИЇВСТАР

ДНІПРОПЕТРОВСЬКА ФІЛІЯ

MODUL
ELECTRO
www.modulelectro.ru



Stella is the best solution to solve downlight problems. Suitable for outdoor and indoor counter ceilings (porches, entries, halls...), Stella is a solid and versatile luminaire with a high degree of protection and a wide range of light sources. Available in different diameters and with both stainless steel and aluminium finish frames, it perfectly suits every project.

MODUL

ELECTRO

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Description

Recessed luminaire for outdoor installation on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with stainless steel or coated die-cast aluminium (four colours available) finish frame, moulded silicone gasket and tempered transparent or sandblasted glass.



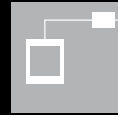
Recessed wall fitting

Versions Available

Diameter, Finish Frame and Diffuser:

- Ø 70mm – stainless steel finish frame and sandblasted glass (VS)
- Ø 120-130mm – stainless steel or aluminium finish frame, sandblasted glass (VS) – transparent glass - (VT) on request, fixed and adjustable optic
- Ø 220mm – stainless steel or aluminium finish frame, transparent glass (VT) – sandblasted glass - (VS) on request, fixed and adjustable optic.

Accessories on request: dichroic colour filters to replace the top glass



The feeding transformer (230V/12V) for low voltage must be installed on remote position.



Ø 70-130
The fitting is equipped with 1 cable input



The fitting is equipped with 1 cable input



Protection against impact.
IK 09 - 10,00 joule

Light Sources

Version 70:

20W/12V QT9 G4 halogen lamp

Version 120-130 (fixed and adjustable optic):

50W/12V QRCBC51 GU5,3 dichroic lamp (remote transformer to be ordered separately)

50W/230V PAR16 GZ10 dichroic lamp

Version 220 (fixed and adjustable optic)::

100W QT32 E27 halogen lamp

120W PAR38 E27 incandescent lamp

26W TC-D 26W G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

42W TC-TEL G24q-4 compact fluorescent lamp

35W or 70W HIT G12 metal halide lamp (remote ballast to be ordered separately)

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: • mains tension: I • low tension: III

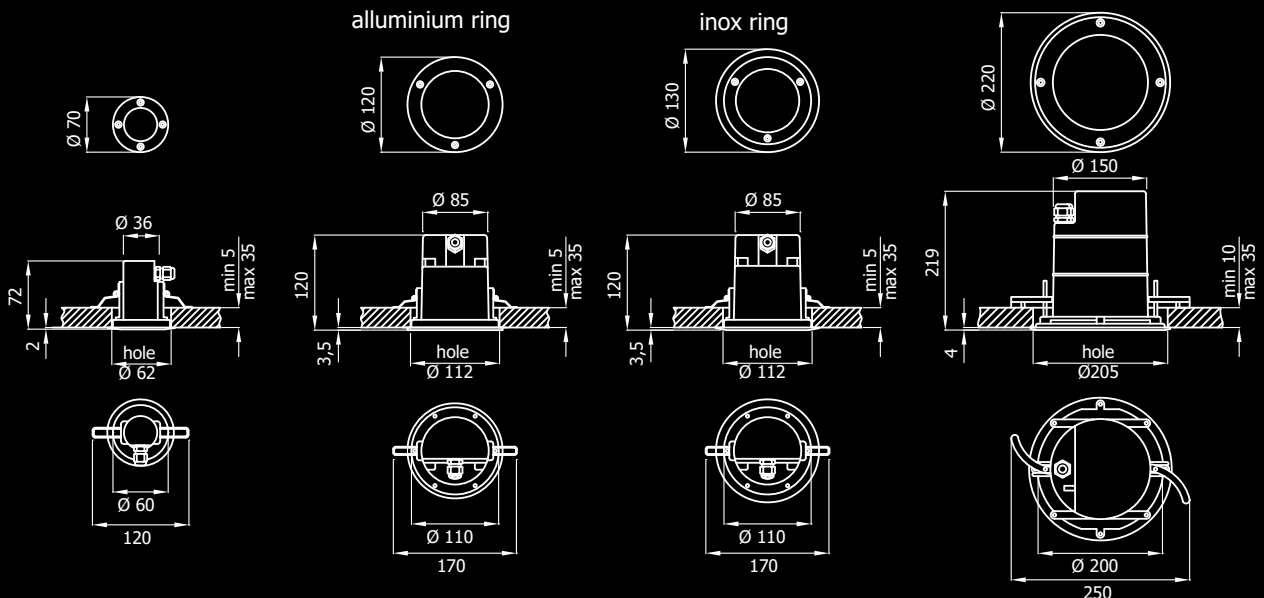
Installation

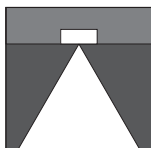
Version 70: wiring through a M12 plastic cable gland (Ø<6,5mm cables). Installation through built-in fixing springs for 5-35mm thick mounting surface.

Version 120-130: wiring through a M16 plastic cable gland (Ø<10mm cables). Installation through built-in fixing springs for 5-35mm thick mounting surface.

Version 220: wiring through two M20 plastic cable gland (Ø<13mm cables). Installation through built-in fixing arms for 10-35mm thick mounting surface.

Colours Available





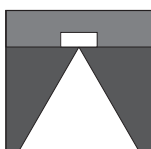
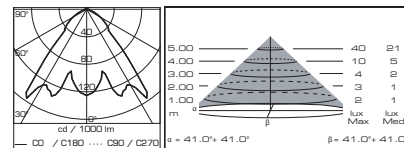
Ø 62 mm

Ø70 STAINLESS STEEL FRAME

572627

QT9 20W/12V G4

Remote transformer to be ordered

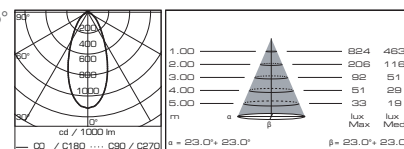


Ø 112 mm

Ø130 STAINLESS STEEL FRAME

572828

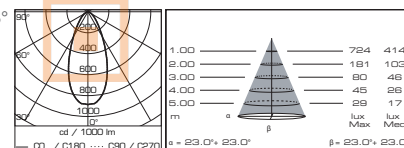
PAR 16 50W/230V GZ10



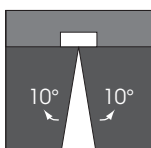
573328

QR CBC 51 50W/12V GU5,3

Remote transformer to be ordered

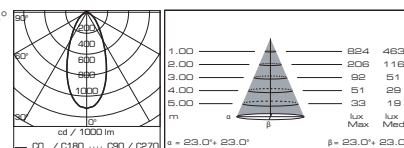


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572815

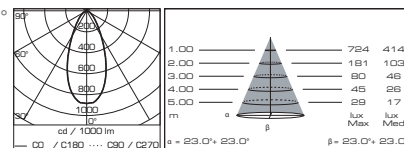
PAR 16 50W/230V GZ10



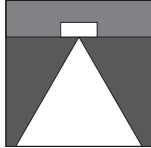
573315

QR CBC 51 50W/12V GU5,3

Remote transformer to be ordered



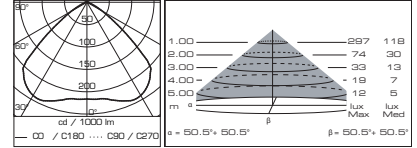
STELLA



Ø 205 mm

Ø220 STAINLESS STEEL FRAME

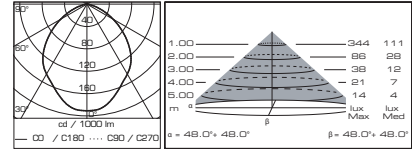
590113
QT 32 100W E27



PAR38 120W E27

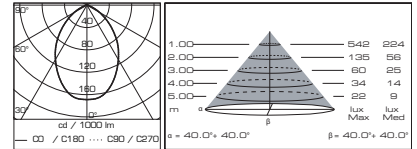


590913
TC-D 26W G24 d-3



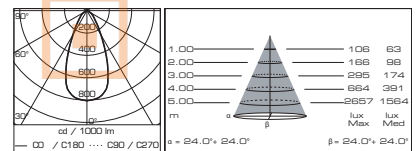
596113
TC-DEL 26W G24 q-3
Electronic ballast

592113
TC-TEL 42W Gx24 q-4
Electronic ballast



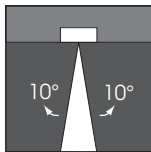
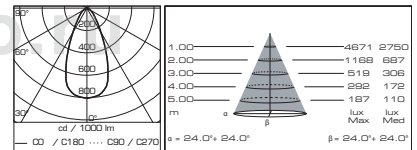
MODULO
ELECTRO

593513
HIT 35W G12
Remote ballast to be ordered

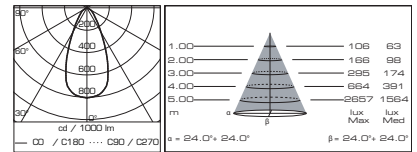


www.modulelectro.com

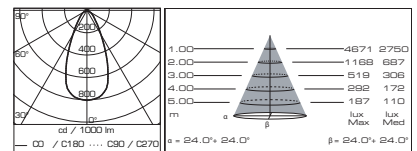
597113
HIT 70W G12
Remote ballast to be ordered



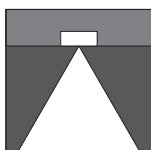
593515
HIT 35W G12
Remote ballast to be ordered



597115
HIT 70W G12
Remote ballast to be ordered



*Standards wide flood 2x30°. On request optic with narrow beam spot 2x8° (FS).

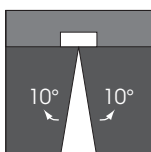
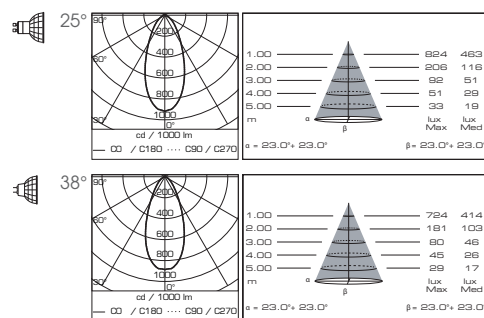


Ø 112 mm

Ø120 ALUMINIUM FRAME

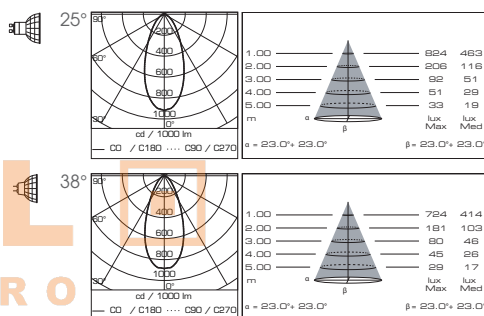
582823
PAR 16 50W/230V GZ10

583323
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered



582815
PAR 16 50W/230V GZ10

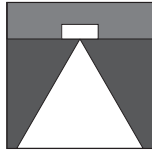
583315
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered



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STELLA

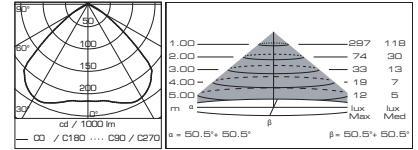


Ø 205 mm

Ø220 ALUMINIUM FRAME

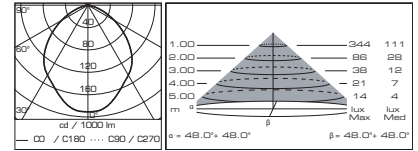
600113
QT 32 100W E27

PAR38 120W E27

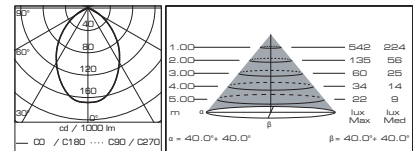


600913
TC-D 26W G24 d-3

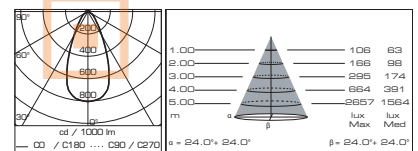
606113
TC-DEL 26W G24 q-3
Electronic ballast



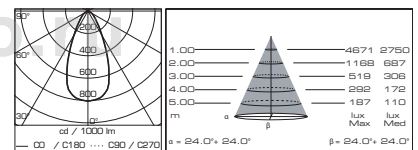
602113
TC-TEL 42W Gx24 q-4
Electronic ballast



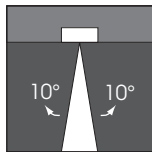
603513
HIT 35W G12
Remote ballast to be ordered



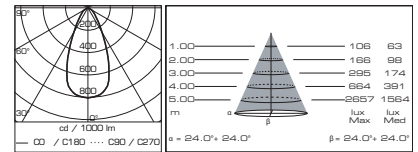
607113
HIT 70W G12
Remote ballast to be ordered



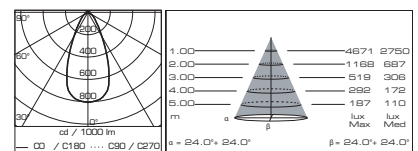
MODULO ELECTRO
www.modulelectro.com



603515
HIT 35W G12
Remote ballast to be ordered

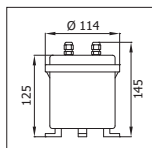


607115
HIT 70W G12
Remote ballast to be ordered

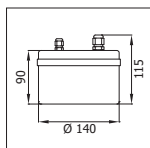


*Standards wide flood 2x30°. On request optic with narrow beam spot 2x8° (FS).

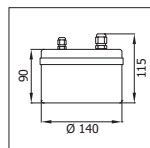
TRANSFORMERS



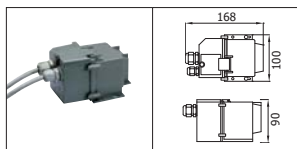
16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66

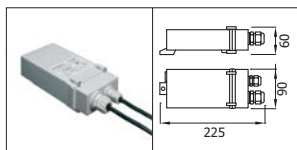


18
trasform. 300W
230V/12V 50Hz
IP 66



38
BALLAST HIT 35W/230V IP 67

39
BALLAST HIT 70W/230V IP 67



83
ELECTRONIC BALLAST HIT 35W/220-240 IP 66

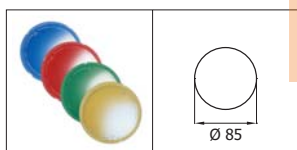
84
ELECTRONIC BALLAST HIT 70W/220-240 IP 66



75
3 way terminal
block 3 poles
IP 68



76
2 way terminal
block 3 poles
IP 68



FOR CODE
572828 - 573328
572815 - 573315
582823 - 583323
582815 - 583315

DICHOIC FILTER

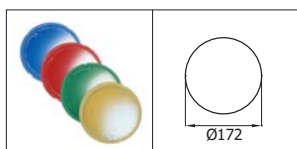
51.5
yellow

51.6
green

51.7
red

51.8
blue

MODULE ELECTRO
www.modulelectro.ru



FOR CODE
590113 - 593513
597113 - 593515
597115 - 600113
603513 - 607113
603515 - 607115

DICHOIC FILTER

52.5
yellow

52.6
green

52.7
red

52.8
blue



MODUL
ELECTRO
www.modulelectro.ru

Elena is a downlight round recessed fixture available with both fixed and adjustable optics. An high degree of protection (IP67) allows installation on terraces, porches, cantilever roofs and entrances. In addition to its ideal outdoor use Elena perfectly meets the need of designers to light dusty or humid indoor settings (gymnasiums, public restrooms, swimming-pools, health spas, garages and workshops).

An effective luminaire to suit the most different settings and projects.

MODUL
ELECTRO
www.modulelectro.ru



Description

Recessed luminaire for outdoor installation on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (four colours available) finish frame, moulded silicone gasket and tempered transparent or sandblasted glass.



Recessed wall fitting

Versions Available

Optics:

- fixed symmetric or +/-15° adjustable optic

Diffuser:

- transparent glass (VT) - sandblasted glass on request (VS)

Beam:

- metal halide lamp are standard equipped with 30°+30° beam - optional 8°+8° beam



The feeding transformer (230V/12V) for low voltage must be installed on remote position.



The fitting is equipped with 1 cable input



Protection against impact.

IK 09 - 10,00 joule

Light Sources

Fixed optic:

60W QT32 E27 halogen lamp

18W TC-T G24d-2 or 18W TC-TEL G24q-2 compact fluorescent lamp

35W or 70W HIT G8,5 metal halide lamp (remote ballast to be ordered separately)

7 led module 7W/190-240V (cool-white 5500 K, warm-white 3000 K, and blue 475nm) (transformer integrated into the module)

Adjustable optic:

50W/230V PAR16 GZ10 dichroic lamp

50W/12V QR CBC 51 dichroic lamp (remote transformer to be ordered separately)

Accessory on request:

- 35W or 70W HIT ballast IP67
- 35W or 70W HIT electronic ballast IP66
- 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Finish frame: Ø 180mm

Recessing depth: 235mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

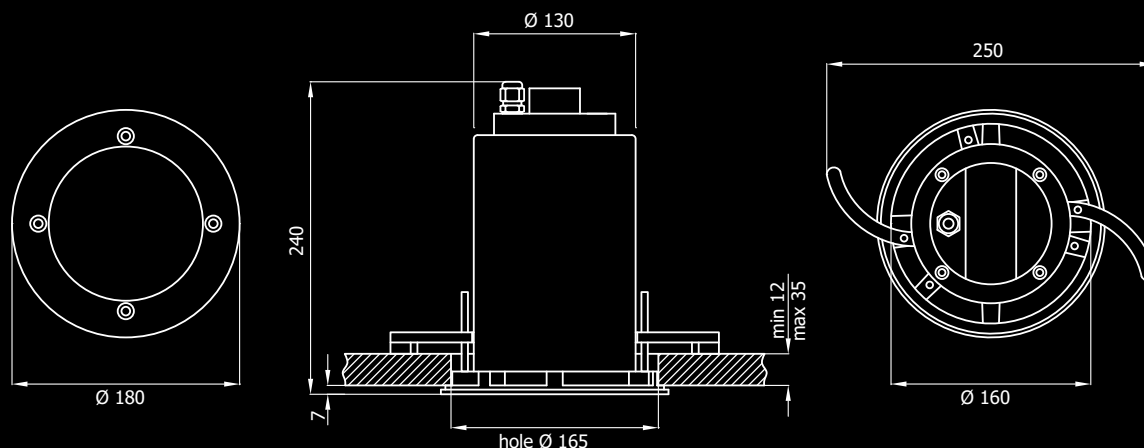
Class of insulation:

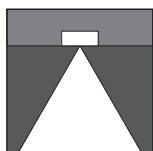
- mains tension: I • low tension: III

Installation

Wiring through two M20 plastic cable glands (Ø<13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a 12-35mm thick mounting surface and a Ø162mm hole.

Colours Available

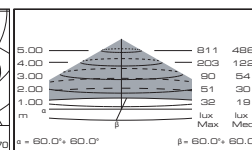
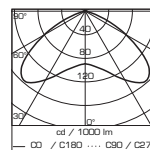




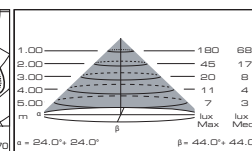
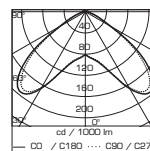
Ø 162 mm

*Standards wide flood 2x30°. On request optic with narrow beam spot 2x8° (FS).

350113
QT 32 60W E27

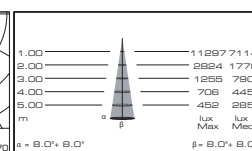
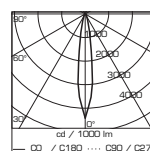


352313
TC-T 18W Gx24 d-2

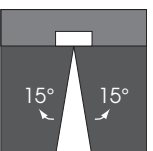
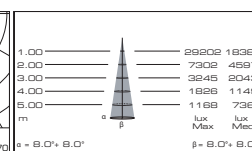
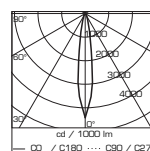


358513
TC-TEL 18W Gx24 q-2
Electronic ballast

356713*
HIT 35W G8,5
Remote ballast to be ordered



356913*
HIT 70W G8,5
Remote ballast to be ordered



led

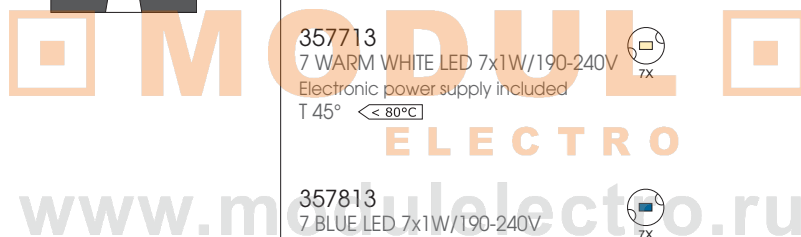
357613
7 COOL WHITE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



357713
7 WARM WHITE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C

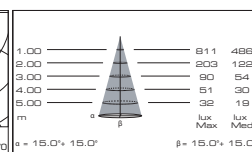
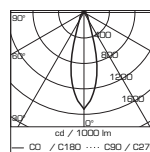


357813
7 BLUE LED 7x1W/190-240V
Electronic power supply included
T 45° < 80°C



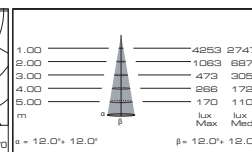
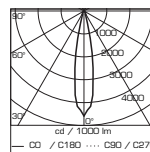
75
3 way terminal
block 3 poles
IP 68

352815
PAR 16 50W/230V GZ10

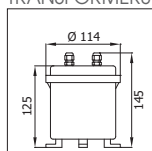


76
2 way terminal
block 3 poles
IP 68

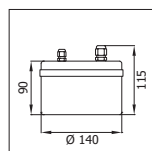
353315
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered



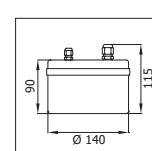
TRANSFORMERS



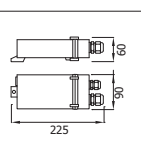
16
trasform. 50W
230V/12V 50Hz
IP 66



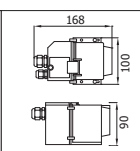
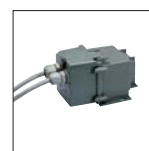
17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66



83
ELECTRONIC BALLAST HIT 35W/220-240V
IP 66



84
ELECTRONIC BALLAST HIT 70W/220-240V
IP 66

38
BALLAST HIT 35W IP 67 230V

39
BALLAST HIT 70W IP 67 230V

 **MODUL** 
ELECTRO

www.modulelectro.ru





Ara is a perfect tool to solve down-light problems. Suitable for either outdoor and indoor use, Ara can be installed in false or full ceilings (porches, entries, halls ...). Available in different dimensions all having shallow recessing depth Ara led suits the most various lighting projects.

MODULO

ELECTRO

www.modulelectro.ru



Description

Recessed luminaire for outdoor installation on ceiling or false-ceilings. Configuration: die-cast aluminium structure and frame, tempered transparent glass and silicone gasket. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment.



Recessed ceiling fitting

Versions Available

Miniara: symmetric emission

Ara: symmetric emission _ all light
asymmetric emission _ visor

Led light emission: wide beam 40°



Mini Ara
The fitting is equipped with 1 cable input

Light sources

Miniara:

50W/12V QRCBC51 GU5.3 dichroic lamp (remote transformer to be ordered separately)

50W/230V PAR16 GZ10 dichroic lamp

4x1W 100-240V led module (cool-white 6000°K, warm-white 3000°K, and blue 475nm)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W.

Ara _ all light:

TC-TEL 1x42W GX24q-4 compact fluorescent lamp

TC-DEL 2x26W G24q-3 compact fluorescent lamp _ electronic ballast

HIT 35W/70W G12 metal halide lamp (ballast to be ordered separately)

16x1W 220-240V led module (cool-white 6000°K, warm-white 3000°K, and blue 475nm)

Accessories on request: 35W or 70W HIT ballast IP67

35W or 70W HIT electronic ballast IP66

Ara _ visor:

TC-TEL 1x26W G24q-3 compact fluorescent lamp _ electronic ballast

HIT 35W/70W G12 metal halide lamp (ballast to be ordered separately)

Accessories on request: 35W or 70W HIT ballast IP67

35W or 70W HIT electronic ballast IP66



Ara
The fitting is equipped with 2 cable input



Protection against impact.

IK 06 - 1,00 joule

Dimensions

Miniara: 125mm side square frame recessing depth: 95mm

Ara: 250mm side square frame recessing depth: 105mm

Technical features

Protection rating: IP65 • In compliance with EN 60598-1

Class of insulation: • low tension: III • mains tension/led module: I

Installation

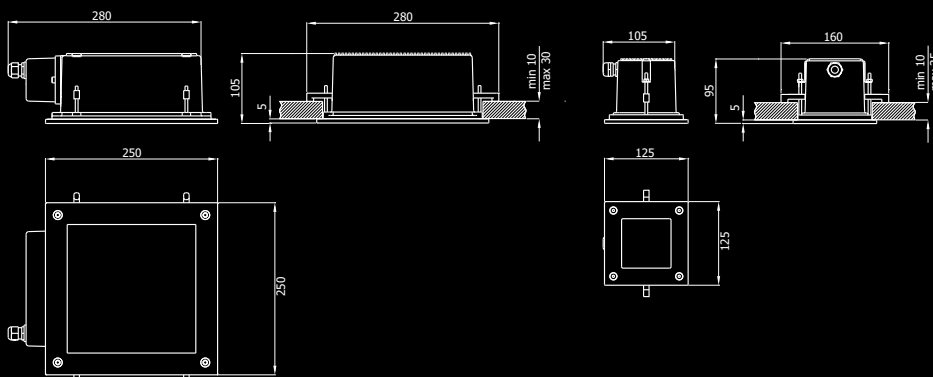
Miniara: wiring through a plastic M16x1,5 cable gland (Ø 5-10mm cable).

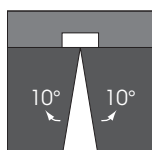
Ara: wiring through two plastic M16x1,5 cable glands (Ø 5-10mm cable).

The luminaire is ready for installation on false-ceilings (up to 30mm thick surfaces). Installation on full ceilings requires a dedicated metal box for installation to be ordered separately.

Accessory on request: metal box for installation.

Colours Available





110x110 mm

125x125

1033323

QR CBC 51 50W/12V GU5,3

Remote transformer to be ordered

T 132°



38°

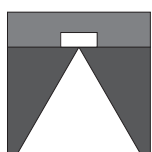
1032823

PAR 16 50W/230V GZ10

T 132°



25°



110x110 mm

led

125x125

1039123

4 COOL WHITE LED 4x1W/100-240V

Electronic power supply included

T 45° < 80°C



4X

1039223

4 WARM WHITE LED 4x1W/100-240V

Electronic power supply included

T 45° < 80°C



4X

1039323

4 BLUE LED 4x1W/100-240V

Electronic power supply included

T 45° < 80°C



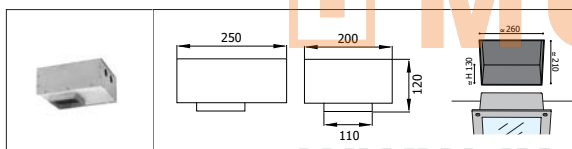
4X



ON REQUEST

MODULO
ELECTRO

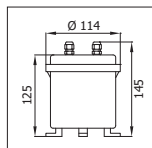
www.modulelectro.ru



107

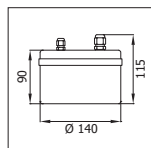
METAL BOX FOR INSTALLATION
IN CONCRETE CEILING

TRANSFORMERS



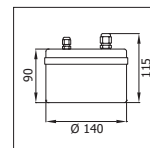
16

trasform. 50W
230V/12V 50Hz
IP 66



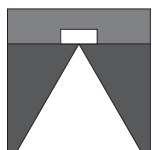
17

trasform. 200W
230V/12V 50Hz
IP 66



18

trasform. 300W
230V/12V 50Hz
IP 66



234x234mm

250x250

1036323

TC-DEL 2x26W G24q-3

Electronic ballast



1032123

TC-TEL 42W Gx24 q-4

Electronic ballast



1033523

HIT 35W G12

Remote ballast to be ordered



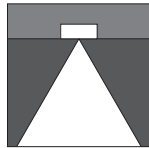
1037123

HIT 70W G12

Remote ballast to be ordered



ARA



234x234mm

250x250 WITH VISOR

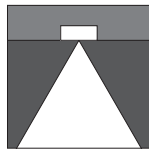
1036107
TC-TEL 1x26W GX24q-3
Electronic ballast



1033507
HIT 35W G12
Remote ballast to be ordered



1037107
HIT 70W G12
Remote ballast to be ordered



234x234 mm

led

250x250

10310023
16 COOL WHITE LED 16x1W/220-240V
Electronic power supply included
T 45° < 80°C



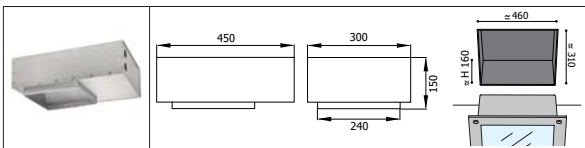
10310123
16 WARM WHITE LED 16x1W/220-240V
Electronic power supply included
T 45° < 80°C



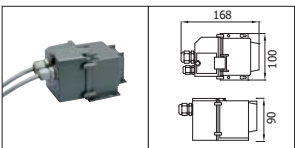
10310223
16 BLUE LED 16x1W/220-240V
Electronic power supply included
T 45° < 80°C



ON REQUEST

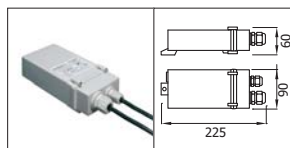


108
METAL BOX FOR INSTALLATION
IN CONCRETE CEILING



38
BALLAST HIT 35W/230V IP 67

39
BALLAST HIT 70W/230V IP 67



83
ELECTRONIC BALLAST HIT 35W/220-240V
IP 66

84
ELECTRONIC BALLAST HIT 70W/220-240V
IP 66



MODULO
ELECTRO
www.moduloelectro.ru



MODUL
ELECTRO
www.modul-electro.ru

Edi is a compact light fixture for ground with a die-cast aluminium body and a tempered glass diffuser. Its distinctive design brings back to 1940's Airforce runway markers lights, an useful task even on today's lighting of walkways, pathways and posts.

MODULO
ELECTRO
www.modulelectro.ru



Description

Surface mounted luminaire for outdoor installation on ground. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure (four colours available) with extruded borosilicate sandblasted glass diffuser and moulded silicone gasket.

Versions Available

Diffuser:

- sandblasted glass (VS)

Light emission:

- lateral 360° emission - three windows

Light Sources

100W QT32 E27 halogen lamp

18W TC-T G24d-2 compact fluorescent lamp

18W TC-TEL G24q-2 compact fluorescent lamp_electronic ballast

Dimensions

Base: Ø 200mm

height: 210mm

Technical Features

Protection Rating: IP67 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 plastic cable glands (Ø<13mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation requires a small concrete base to fix the luminaire.

Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black



Bollard light

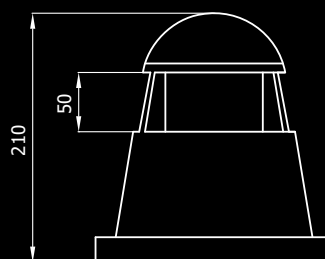
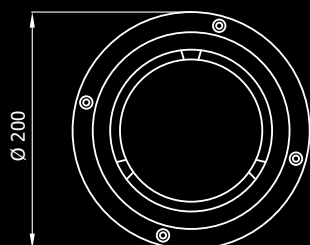


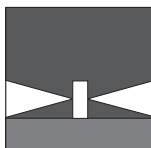
The fitting is equipped with 2 cable input



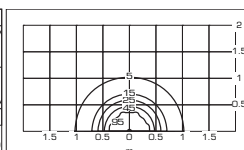
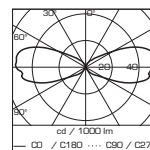
Protection against impact.

IK 07 - 2,00 joule

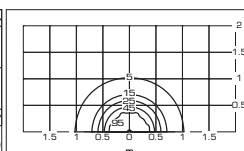
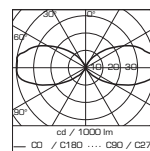




220100
QT 32 100W E27



222300
TC-T 18W Gx24 d-2




228500
TC-TEL 18W Gx24 q-2
Electronic ballast

MODUL

ELECTRO

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A modern, illuminated outdoor lighting fixture is the central focus. It is a tall, rectangular, white, vertically-oriented light fixture with a glowing interior. The light is cast onto a concrete path and the surrounding grass. The background is a dark, textured stone wall. The overall scene is a nighttime garden or walkway.

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Steel Tower is a bright, elegant luminaire for ground. Its smart structure is composed of a square stainless steel tower and opal glass cube, making it suitable for both indoor and outdoor installation.



Steel Tower

IP65   

Description

Outdoor luminaire on post for installation on ground. Configuration: brushed stainless steel (AISI 316L) external structure with phospho-chromatised and polyester powder coated die-cast aluminium inner module fixed to the moulded sandblasted glass diffuser, expanded silicone gasket and A2 stainless steel screws. The light source is housed into the cubic diffuser.

Versions Available

Diffuser: moulded sandblasted glass

Light Source

60W QT14 G9 halogen lamp

1 Led module (cool 5500 K and warm 3000 K white) 4W/230V

Dimensions

Square base: 163mm side

Post:

- square section: 100mm side

- height: 372mm or 672 mm

Technical Features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through a rubber cable holder for $\varnothing < 10$ mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available



.0 inox



Bollard light



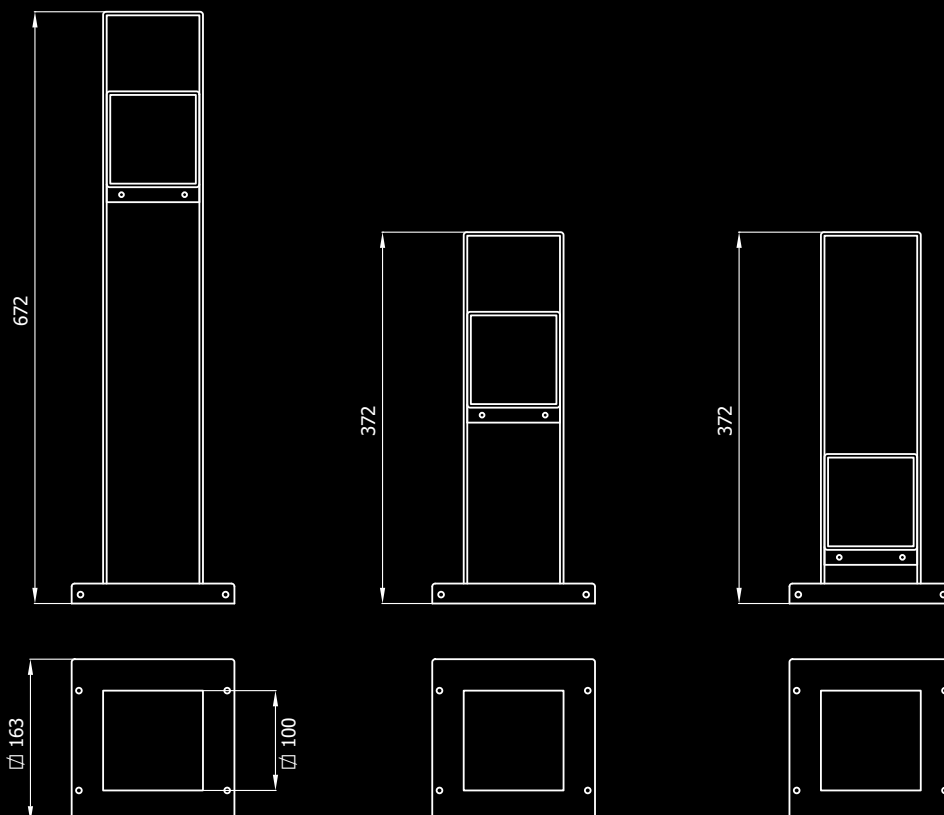
The fitting is equipped with 1 cable input



Protection against impact.

IK 07 - 2,00 joule

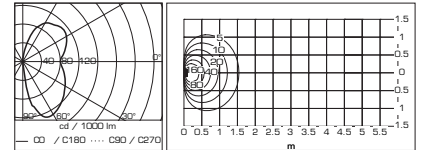
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STEEL TOWER

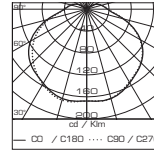


802758
QT14 60W G9



led

806858
1 COOL WHITE LED 1x4W/230V
< 80°C



807058
1 WARM WHITE LED 1x4W/230V
< 80°C

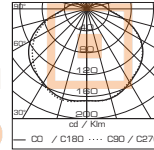


802759
QT14 60W G9



led

806859
1 COOL WHITE LED 1x4W/230V
< 80°C



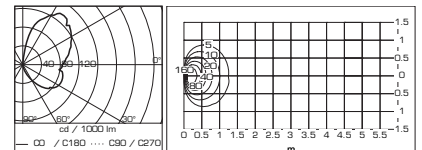
807059
1 WARM WHITE LED 1x4W/230V
< 80°C



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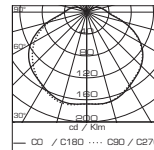


802760
QT14 60W G9



led

806860
1 COOL WHITE LED 1x4W/230V
< 80°C



807060
1 WARM WHITE LED 1x4W/230V
< 80°C





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Rigorous H-frame steel structure with downward anti-glare emission, Viviana led is the ideal luminaire for many settings - parking areas, parks, gardens, pathways, and purposes - bollard in urban areas.



Description

Outdoor design bollard. Configuration: hot-dip zinc-coated IPE steel bar (H-frame with base) for high resistance to corrosion. The downward emission unit, fixed to the upper part of the bar, is composed of a plastic container with zinc-coated cover. Feeding cables are hosted in a hot-dip zinc-coated cover placed on the back side of the bar. Viviana can be equipped with two cable inputs allowing end-to-end connection.

Versions Available

Diffuser:
plastic diffuser with lens for a precise and defined light emission

Light sources

CDM-Tm 20W PGJ5
5x1W/100-240V led module*
cool white 6000 K - warm white 3000 K - blue 475nm
* Integrated power supply

Dimensions

H shaped bar: 200X100mm
Height: 900mm

Technical features

Protection rating: IP65 in compliance with EN 60598-1
Class of insulation: I

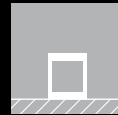
Installation

Wiring through two EPDM rubber cable glands for $\varnothing < 13\text{mm}$ cables.
Accessory on request: fixing plate with bolts and nuts for concrete surfaces

Colours Available



.7 zinc



Bollard light



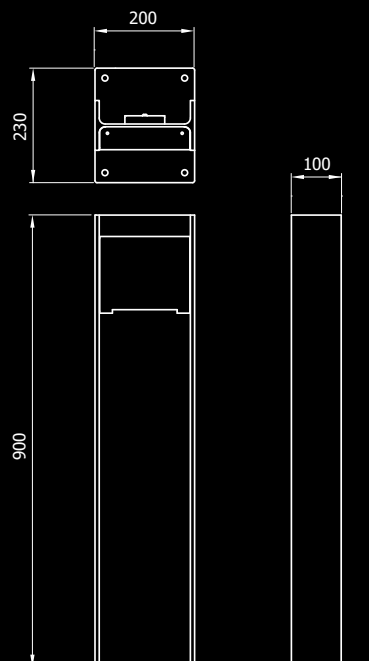
The fitting is equipped with 2 cable input



Protection against impact.

IK 10 - 20,00 joule

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1046600
CDM-Tm 20W PGJ5
Electronic ballast



led

10410300
5 COOL WHITE LED 5x1W/100-240V
Electronic power supply included
< 80°C



10410400
5 WARM WHITE LED 5x1W/100-240V
Electronic power supply included
< 80°C



10410500
5 BLUE LED 5x1W/100-240V
Electronic power supply included
< 80°C



109
BASE PLATE AND FIXING BOLTS

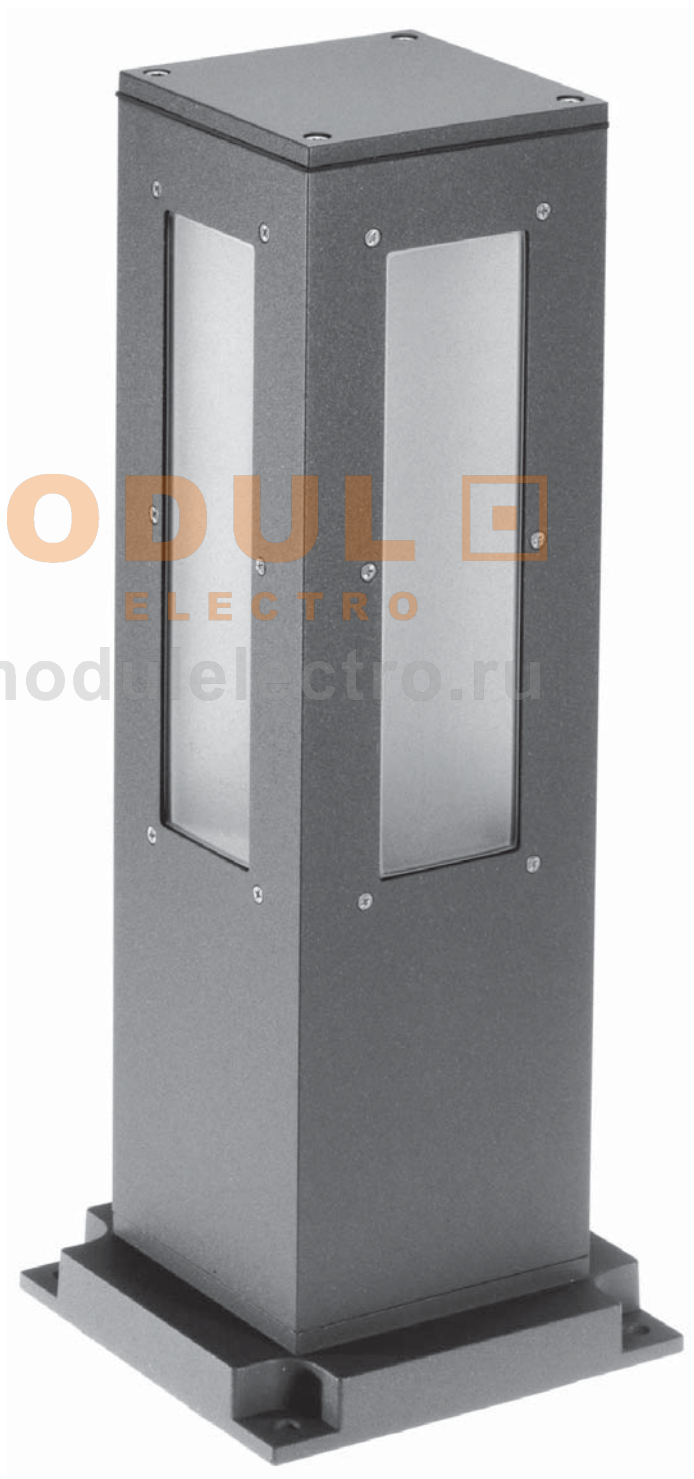
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ELECTRO
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Matilda is a small square bollard light reminding of a small stump or milestone. Light emission comes from one, two or four vertical side windows. Its small dimensions and functional style make it suitable for most urban and country outdoor settings.



Description

Surface mounted bollard light for outdoor installation on ground. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium square structure (four colours available) with tempered sandblasted glass diffuser and moulded silicone gasket.



Bollard light

Versions Available

Diffuser:

- sandblasted glass (VS)

Light emission:

- unidirectional: one lateral window
- bidirectional: two opposite lateral windows
- omnidirectional: four cross lateral windows



The fitting is equipped with 2 cable input



Protection against impact.

IK 08 - 5,00 joule

Light Sources

- 150W QT32 E27 halogen lamp
- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp
- 42W TC-TEL G24q-4 compact fluorescent lamp
- 35W or 70W HIT G12 metal halide lamp

Dimensions

Square section: 150mm side

Height: 560mm

Technical Features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

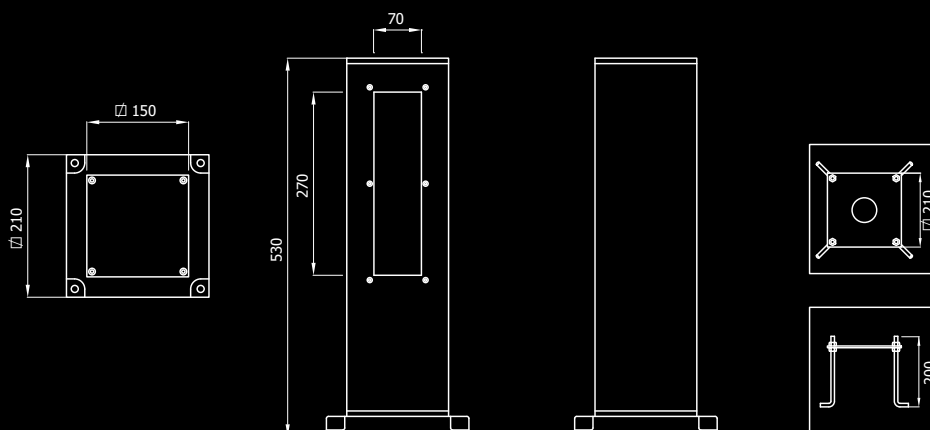
Installation

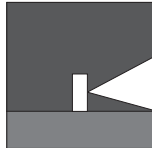
Wiring through two M20 plastic cable glands ($\varnothing < 13\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

Accessory on request: fixing plate with bolts and nuts

Colours Available

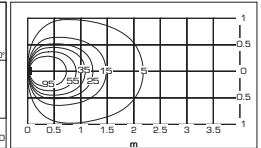
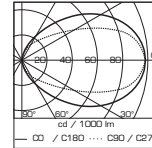
-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black



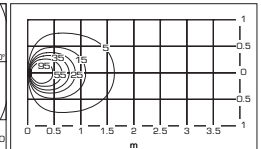
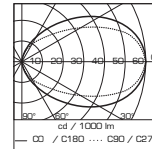


UNIDIRECTIONAL VERSION

780146
QT 32 150W E27

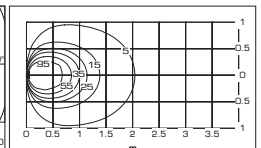
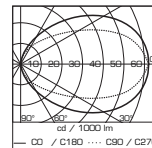


780946
TC-D 26W G24 d-3

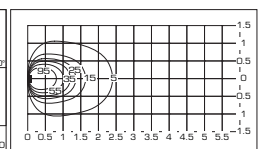
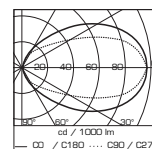


786146
TC-DEL 26W G24 q-3
Electronic ballast

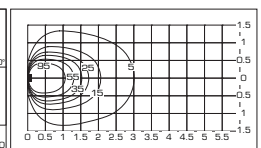
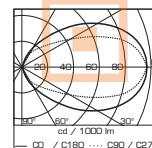
782146
TC-TEL 42W Gx24 q-4
Electronic ballast



783546
HIT 35W G12

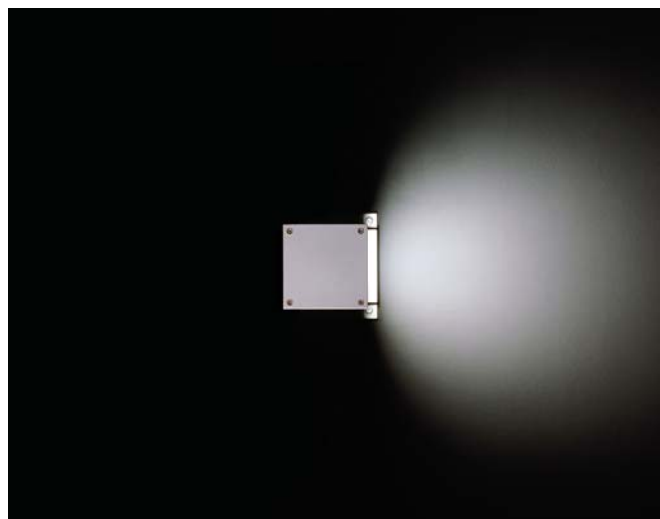


787146
HIT 70W G12

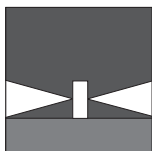


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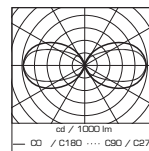


MATILDA

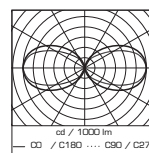


BIDIRECTIONAL VERSION

780147
QT 32 150W E27

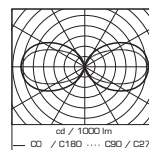


780947
TC-D 26W G24 d-3

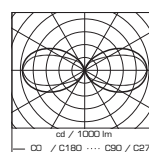


786147
TC-DEL 26W G24 q-3
Electronic ballast

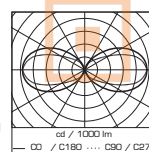
782147
TC-TEL 42W Gx24 q-4
Electronic ballast



783547
HIT 35W G12

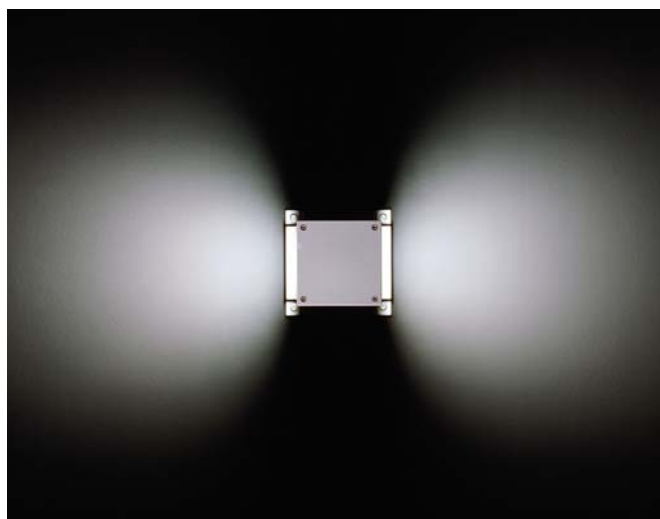


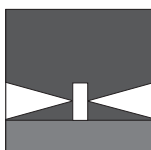
787147
HIT 70W G12



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OMNIDIRECTIONAL VERSION

780148
QT 32 150W E27



780948
TC-D 26W G24 d-3



786148
TC-DEL 26W G24 q-3
Electronic ballast

782148
TC-TEL 42W Gx24 q-4
Electronic ballast



783548
HIT 35W G12



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ELECTRO

787148
HIT 70W G12



49
BASE PLATE AND FIXING BOLTS www.modulelectro.ru

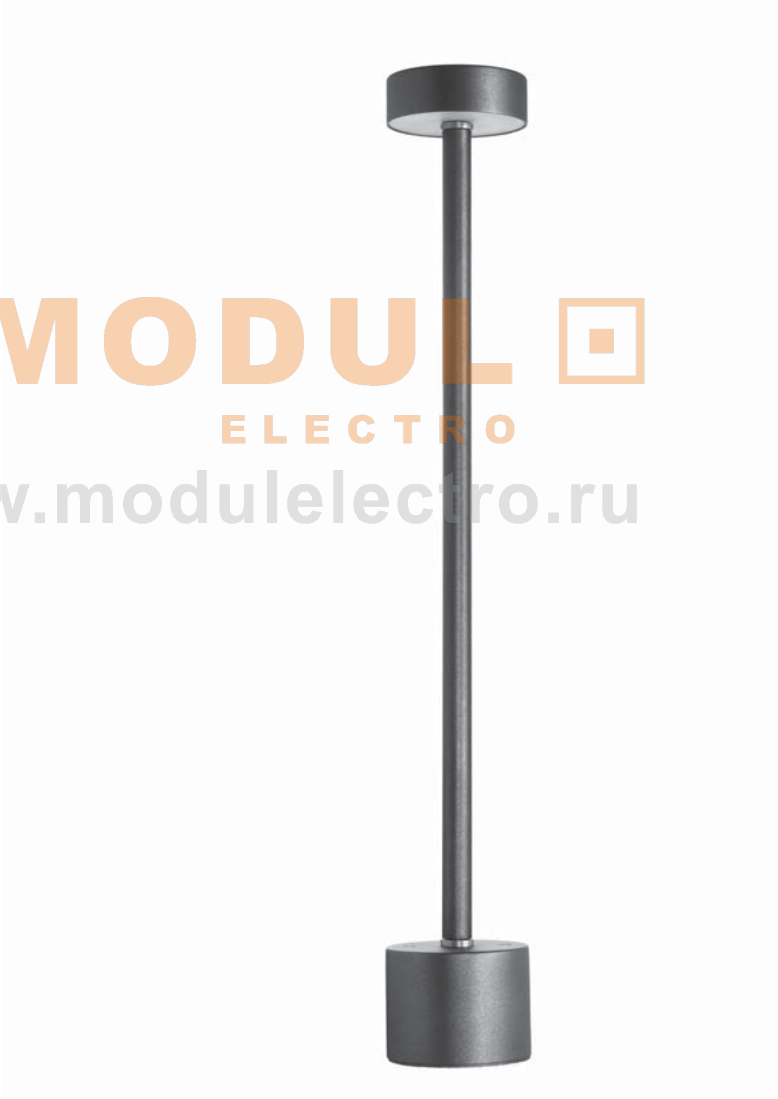




MODUL
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www.modulelectro.ru

Simple and clean design, different useful configurations and dimensions: this is Vincenza led, a veritable design object suitable for outdoor installation in either residential and urban settings.



MODULO
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Description

Outdoor floor lamp expressly designed to host led-module light source (Z1 version _ no light pollution). Configuration: die-cast aluminium head and base with extruded aluminium stem, plastic diffuser for an improved emission and neoprene gasket. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment. Electric components are housed into the base.

Versions Available

Diffuser:

sandblasted diffuser for an even light emission

Emission:

180° asymmetric emission for lighting of walkways

360° symmetric emission

Light sources

4x1W/100-240V led module with integrated power supply (housed into the base)

cool white 6000 K - warm white 3000 K - blue 475nm

Dimensions

Diameter: 120mm

Height: 450mm or 800mm

Technical features

Protection rating: IP65 in compliance with EN 60598-1

Class of insulation: I

Installation

Wiring through two M16 cable glands for $\varnothing < 10\text{mm}$ cables

Colours Available

.1 white .2 aluminium .3 anthracite .4 black .9 rust-red

www.modulelectro.ru



Bollard light



The fitting is equipped with 2 cable input

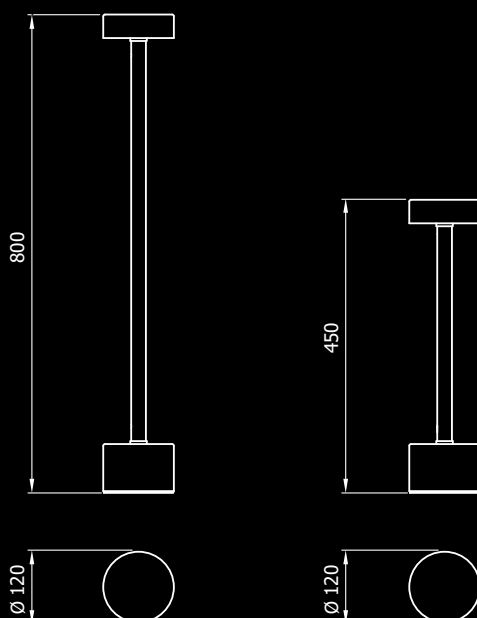


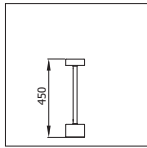
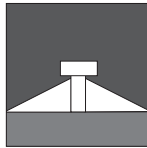
Full cut-off luminaire (no light pollution)



Protection against impact.

IK 10 - 20,00 joule





SYMMETRIC

10812992
4 COOL WHITE LED 4x1W/100-240V

Electronic power supply included

<< 80°C



10813092

4 WARM WHITE LED 4x1W/100-240V

Electronic power supply included

<< 80°C

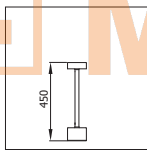
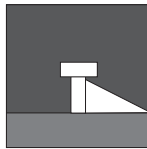


10813192

4 BLUE LED 4x1W/100-240V

Electronic power supply included

<< 80°C



ASYMMETRIC

10812993
4 COOL WHITE LED 4x1W/100-240V

Electronic power supply included

<< 80°C



10813093

4 WARM WHITE LED 4x1W/100-240V

Electronic power supply included

<< 80°C



10813193

4 BLUE LED 4x1W/100-240V

Electronic power supply included

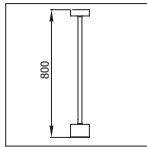
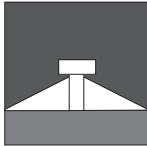
<< 80°C



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VINCENZA led



SYMMETRIC

10812994
4 COOL WHITE LED 4x1W/100-240V
Electronic power supply included
< 80°C



10813094
4 WARM WHITE LED 4x1W/100-240V
Electronic power supply included
< 80°C

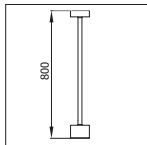


10813194
4 BLUE LED 4x1W/100-240V
Electronic power supply included
< 80°C



MODULO

ASYMMETRIC



10812995
4 COOL WHITE LED 4x1W/100-240V
Electronic power supply included
< 80°C



10813095
4 WARM WHITE LED 4x1W/100-240V
Electronic power supply included*
< 80°C



10813195
4 BLUE LED 4x1W/100-240V
Electronic power supply included
< 80°C





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Description

Outdoor floor lamp expressly designed to host led-module light source (Z1 version _ no light pollution). Configuration: die-cast aluminium head and base with extruded aluminium stem, plastic diffuser for an improved emission and neoprene gasket. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment. Electric components can be housed in the in-ground base.

Versions Available

Diffuser:

sandblasted diffuser for an even light emission

Emission:

180° asymmetric emission for lighting of walkways

360° symmetric emission

Light sources

4x1W/ 24VDC led module *

cool white 6000 K - warm white 3000 K - blue 475nm. Power consumption: 5,5W

* Remote power supply to be ordered separately

Dimensions

Diameter: 120mm

Height: 200mm, 450mm or 800mm (+ 300mm root)

Technical features

Protection rating: IP65 in compliance with EN 60598-1

Class of insulation: III

Installation

Wiring through a two M16 cable glands for $\varnothing < 10\text{mm}$ cables placed on a plastic wiring unit to be installed in-ground

Colours Available



Bollard light



The fitting is equipped with 2 cable input



The power supply (220/240V) must be installed on remote position

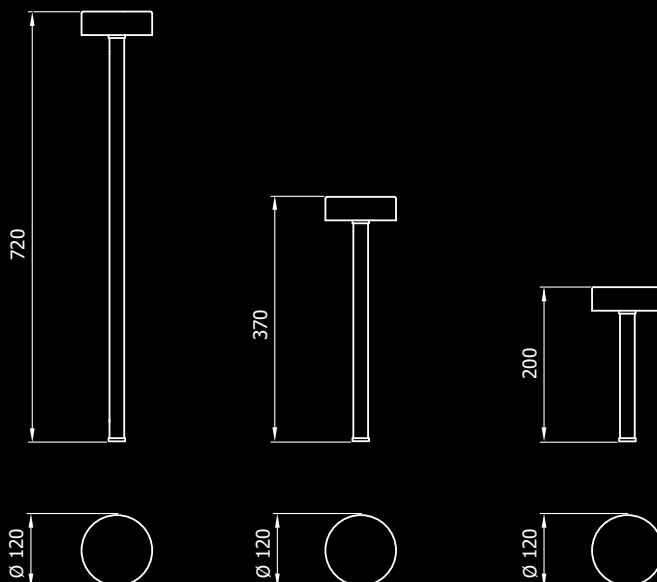
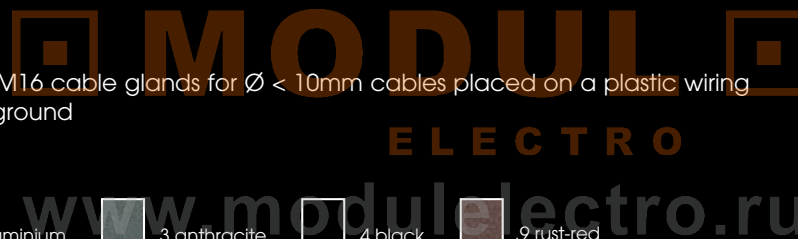


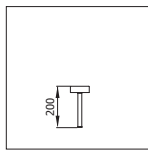
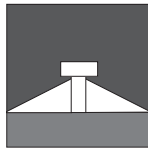
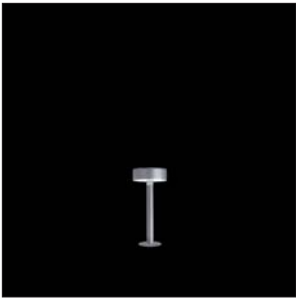
Full cut-off luminaire (no light pollution)



Protection against impact.

IK 10 - 20,00 joule





SYMMETRIC

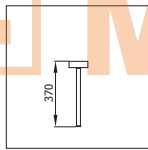
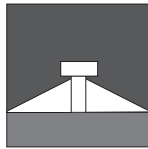
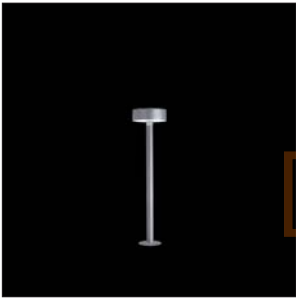
10813296
4 COOL WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



10813396
4 WARM WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



10813496
4 BLUE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



SYMMETRIC

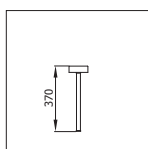
10813297
4 COOL WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



10813397
4 WARM WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



10813497
4 BLUE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



ASYMMETRIC

10813298
4 COOL WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



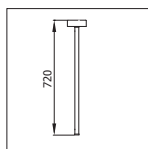
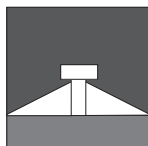
10813398
4 WARM WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



10813498
4 BLUE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



MODULO ELECTRO
www.moduloelectro.ru



SYMMETRIC

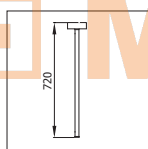
10813299
4 COOL WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



10813399
4 WARM WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



10813499
4 BLUE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



ASYMMETRIC

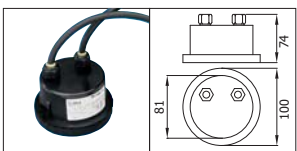
10813234
4 COOL WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



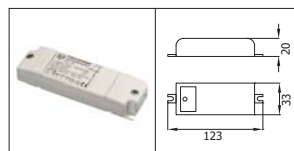
10813334
4 WARM WHITE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



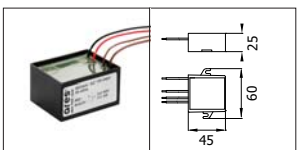
10813434
4 BLUE LED 4x1W/24V d.c
Remote electronic power supply to be ordered
< 80°C



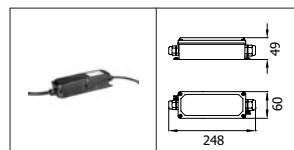
86
POWER SUPPLY FOR LED MODULE
220/240V 20W 24Vd.c. IP68
Electronic power supply



87
POWER SUPPLY FOR LED MODULE
220/240V 10W 24Vd.c.
Electronic power supply



106
POWER SUPPLY FOR LED MODULE
100-240V/24V 6W IP65



110
POWER SUPPLY FOR LED MODULE
230/240V 70W 24V d.c. IP67



USE
CIRCUIT

BROWN AC 120-240V
BLU/GRN
RED - 120V
BLACK - 240V

Form



MODULO
ELECTRO
www.moduloelectro.ru



Torcia design comes from medieval torches and offers a soft 360° light emission. The glare effect is totally avoided by the use of a thin louvre shield around the light source. Torcia can be installed on wall or on pole and it is a suitable fixture for most outdoor settings.

The image shows a vertical outdoor light fixture. It consists of a black cylindrical pole at the bottom, a black ring, and a cylindrical mesh shade. The shade is made of a fine, silver-colored metal mesh and is mounted on a black ring. The top of the shade is also black. The fixture is shown against a light gray background.**MODULO**
ELECTRO
www.modulelectro.ru

Description

Outdoor cylindrical luminaire for installation on wall or on pole. Configuration: phosphochromatised and polyester powder coated extruded aluminium pole (five colours available) with transparent UV-stabilized polycarbonate diffuser and coated die-cast aluminium cap. The glare effect is considerably reduced by the use of a thin metal mesh around the light source.

Versions Available

Diffuser:

- transparent UV-stabilized polycarbonate diffuser

Installation:

- fully equipped for surface mounting on wall
- head and pole ("with base" or "in-ground") to be ordered separately for ground installation

Light Sources

- 18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp
- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

Dimensions

Version for wall: Diameter: Ø80mm - Height: 571mm

Version for pole:

- head: Diameter: Ø80mm - Height: 278mm
- pole with base: Diameter: Ø70mm - Height: 500/900/1200mm
- in-ground pole: Diameter: Ø70mm - Height: 800/1200/1500mm (including 300mm root)

Technical Features

Protection Rating: IP54

- In compliance with EN 60598-1 standards

Class of insulation: I

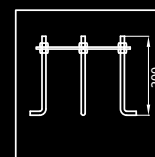
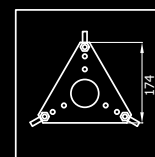
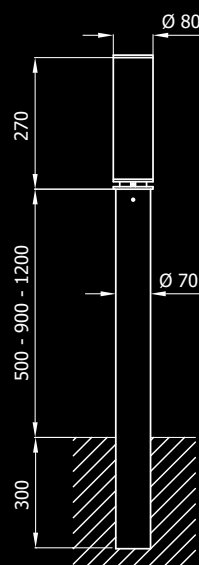
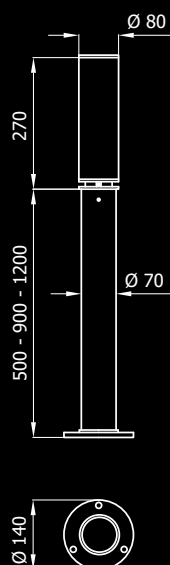
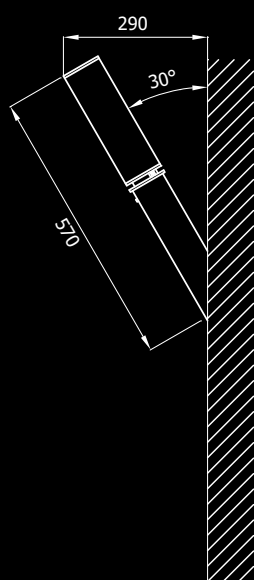
Installation

Outdoor use requires suitable flexible cables. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

Accessory on request: fixing plate with bolts and nuts

Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red



Bollard light

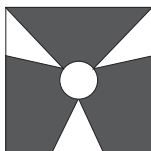


The fitting is equipped with 1 cable input



Protection against impact:

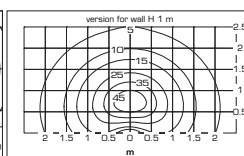
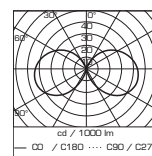
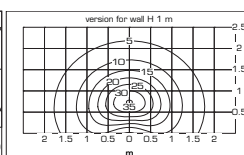
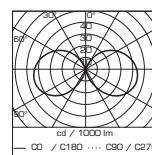
IK 09 - 10,00 joule



WALL VERSION

260711
TC-D 18W G24 d-2
265911
TC-DEL 18W G24 q-2
Electronic ballast

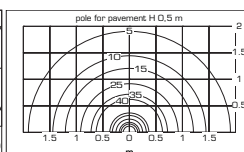
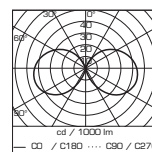
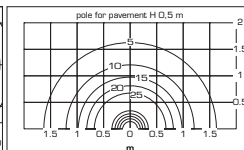
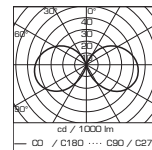
260911
TC-D 26W G24 d-3
266111
TC-DEL 26W G24 q-3
Electronic ballast



POLE VERSION

260720
TC-D 18W G24 d-2
265920
TC-DEL 18W G24 q-2
Electronic ballast

260920
TC-D 26W G24 d-3
266120
TC-DEL 26W G24 q-3
Electronic ballast



MODULO ELECTRO

POLES WITH BASE

1505
H 500 mm

1509
H 900 mm

1512
H 1200 mm

POLES IN-GROUND

1605
H 500 mm

1609
H 900 mm

1612
H 1200 mm

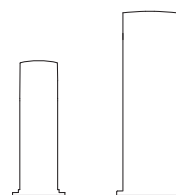


21
BASE PLATE AND POLE FIXING BOLT






MODUL
ELECTRO
www.electro.ru



Silvia is the most versatile family in our range and allows designers achieve the most innovative and effective projects for outdoor lighting. Suitable for walkways, gardens, pathways, public areas, avenues and urban settings, Silvia family has a solid, vandal-proof die-cast aluminium structure. The jewel of the family is Silvia Z1 designed to fully comply with the growing need of anti light pollution (cut-off) luminaires. Designers looking for a wall wash effect will find in Silvia "head version" an effective solution with its 120° or 360° emission.

 **MODULO**
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www.modulelectro.ru



Mini Silvia

IP65 

Description

Outdoor luminaire for installation on wall, floor and ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with borosilicate sandblasted glass diffuser and moulded silicone gasket. Mini Silvia allows an easy-to-make maintenance and electrical connection thanks to stainless steel screws placed under the dome. Electrical components are housed into the base.

Versions available

Light emission:

- 120° emission
- 360° emission

Diffuser:

- borosilicate sandblasted glass (VS)

Light sources

60W QT32 E27 halogen lamp

10W TC-D G24d-1 or 10W TC-DEL G24q-1 compact fluorescent lamp

Dimensions:

Diameter: 130mm

Heights: 190mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

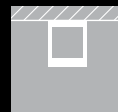
Class of insulation: I

Installation

Wiring through a M16 cable gland ($\varnothing < 10\text{mm}$ cables) placed under the head of the luminaire. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.



Wall fitting



Ceiling fitting



Bollard light



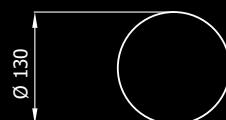
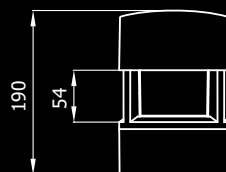
The fitting is equipped with 1 cable input



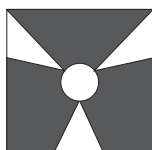
Protection against impact.

IK 07 - 2,00 joule

Colours Available

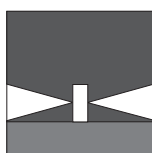


MINI SILVIA

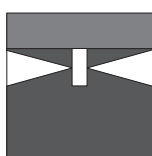


360° EMISSION

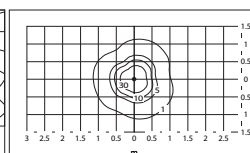
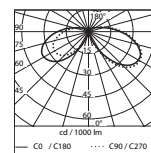
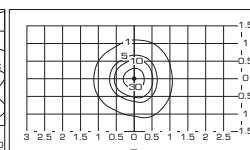
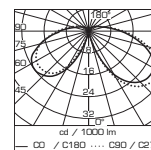
930100
QT32 E27 60W



930500
TC-D 10W G24d-1

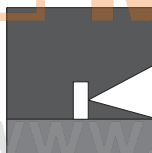


934000
TC-DEL 10W G24q-1
Electronic ballast

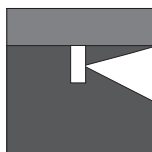


120° EMISSION

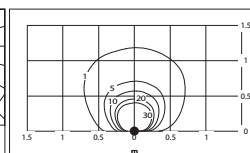
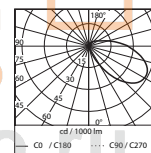
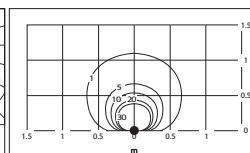
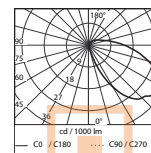
930121
QT32 E27 60W



930521
TC-D 10W G24d-1



934021
TC-DEL 10W G24q-1
Electronic ballast



Mini Silvia Post

IP65   

Description

Outdoor bollard light. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with borosilicate sandblasted glass diffuser moulded silicone gasket. Mini Silvia allows an easy-to-make maintenance and electrical connection thanks to stainless steel screws placed under the dome. Electrical components are housed into the base.



Bollard light

Versions available

Light emission:

- 120° emission
- 360° emission

Diffuser:

- borosilicate sandblasted glass (VS)



The fitting is equipped with 1 cable input

Light sources

60W E27 incandescent lamp

18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp



Protection against impact.

IK 07 - 2,00 joule

Dimensions:

Diameter: 130mm

Heights: 550mm or 950mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

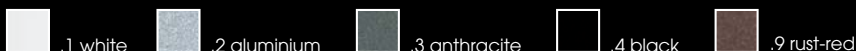
Class of insulation: I

Installation

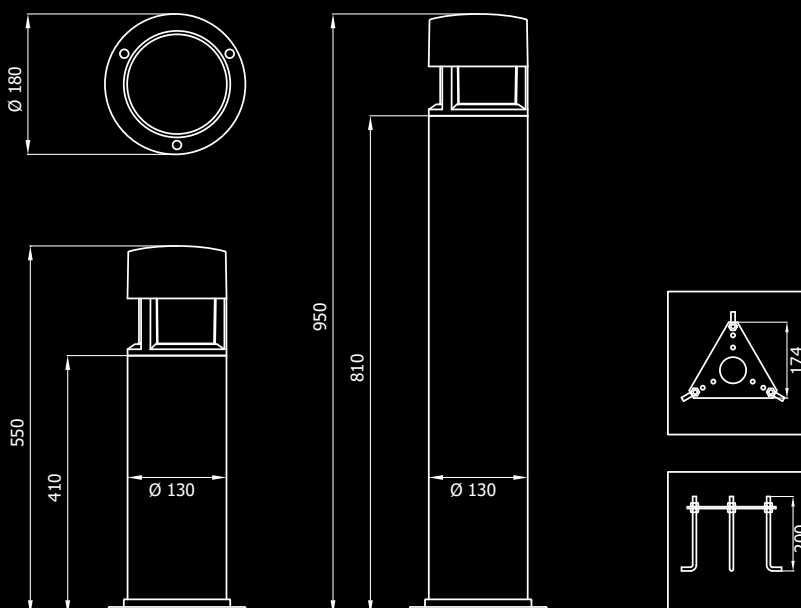
Wiring through a M16 cable gland ($\varnothing < 10$ mm cables) placed under the head of the luminaire. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

Accessory on request: fixing plate with bolts and nuts

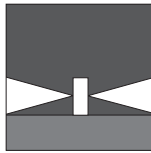
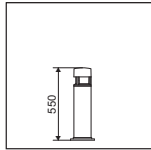
Colours available



MODULE ELECTRO
www.modulelectro.ru

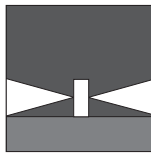
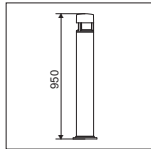


MINI SILVIA POST



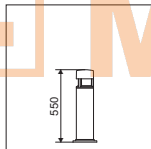
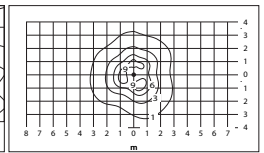
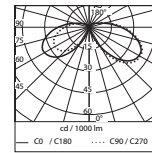
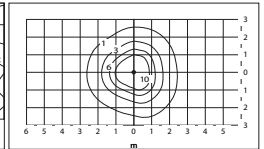
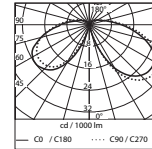
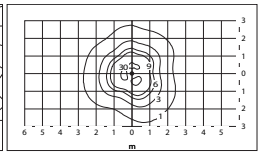
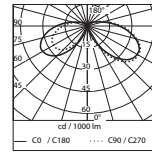
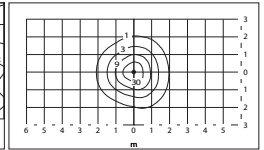
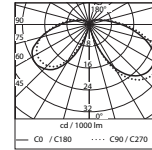
360° EMISSION
930178
 QT32 E27 60W

930978
 TC-D 18W G24d-2
935978
 TC-DEL 18W G24q-2
 Electronic ballast



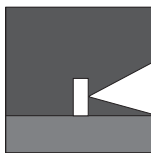
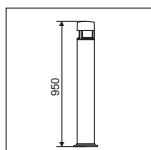
930179
 QT32 E27 60W

930979
 TC-D 18W G24d-2
935979
 TC-DEL 18W G24q-2
 Electronic ballast



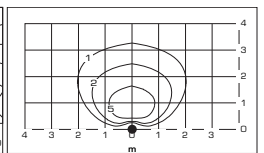
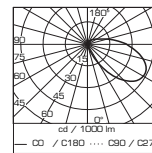
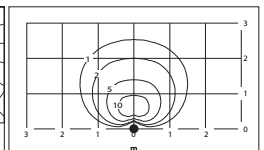
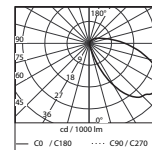
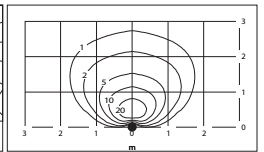
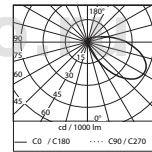
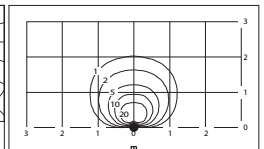
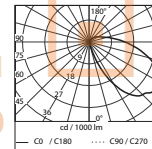
120° EMISSION
930181
 QT32 E27 60W

930981
 TC-D 18W G24d-2
935981
 TC-DEL 18W G24q-2
 Electronic ballast



930182
 QT32 E27 60W

930982
 TC-D 18W G24d-2
935982
 TC-DEL 18W G24q-2
 Electronic ballast



21
 BASE PLATE AND POLE FIXING BOLTS

Mini Silvia Post Z1

IP65   

Description

Outdoor bollard light (Z1 version _ no light pollution). Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with transparent borosilicate glass diffuser moulded silicone gasket. Mini Silvia allows an easy-to-make maintenance and electrical connection thanks to stainless steel screws placed under the dome. Electrical components are housed into the base.

Versions available

Light emission:

- 120° emission
- 360° emission

Diffuser:

- borosilicate transparent glass (VT)

Light sources

35W HIT G8,5 (electronic ballast)

Dimensions

Diameter: 130mm

Heights: 550mm or 950mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through a M16 cable gland (Ø <10mm cables) placed under the head of the luminaire. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The luminaire can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

Accessory on request: fixing plate with bolts and nuts

Colours available

-  .1 white  .2 aluminium  .3 anthracite  .4 black  .9 rust-red



Bollard light



The fitting is equipped with 1 cable input

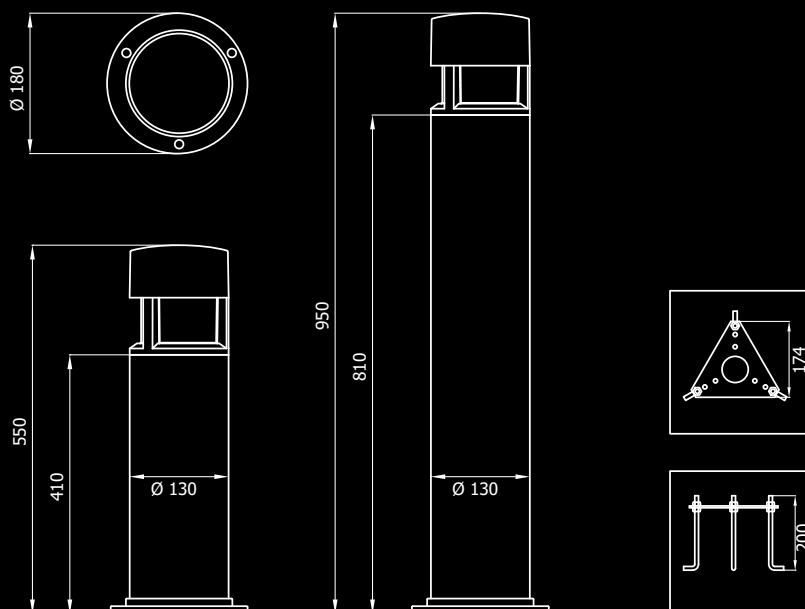


Full cut-off luminaire (no light pollution)

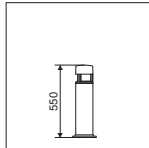


Protection against impact.

IK 07 - 2,00 joule

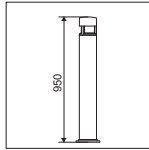


MINI SILVIA Z1

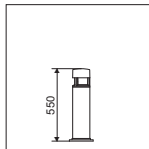
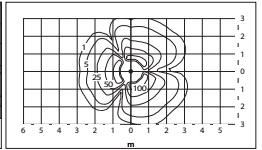
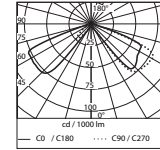
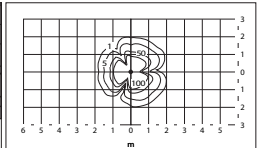
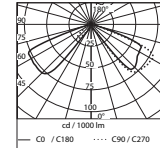
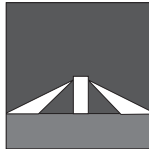


360° EMISSION

936784
HIT 35W G8,5
Electronic ballast

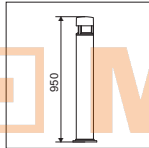


936785
HIT 35W G8,5
Electronic ballast

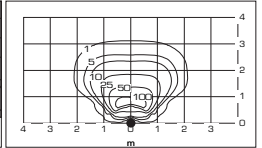
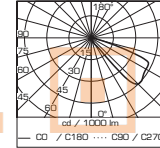
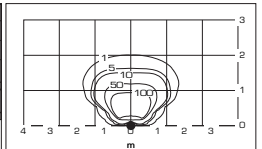
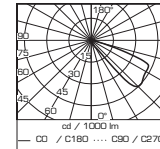


120° EMISSION

936787
HIT 35W G8,5
Electronic ballast



936788
HIT 35W G8,5
Electronic ballast



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21
BASE PLATE AND POLE FIXING BOLTS





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Description

Surface mounted bollard light for outdoor installation on ground, wall and ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with borosilicate sandblasted or transparent glass diffuser and moulded silicone gasket. Silvia allows an easy-to-make maintenance and electrical connection thanks to stainless steel screws placed under the dome. Electrical components are housed into the base.

Versions Available

Diffuser:

- sandblasted glass (VS) – transparent glass on request (VT)

Light emission:

- 360° emission – three windows
- 120° emission – one window

Light Sources

- 100W QT32 E27 halogen lamp
- 26W TC-T Gx24d-3 or 26W TC-TEL Gx24q-3 compact fluorescent lamp
- 42W TC-TEL G24q-4 compact fluorescent lamp
- 35W HIT G12 metal halide lamp

Dimensions

Round section: 180mm side

Height: 245mm






Technical Features

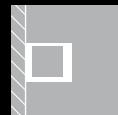
- Protection Rating: IP65 • In compliance with EN 60598-1 standards
- Class of insulation: I

Installation

Wiring through a M16 plastic cable glands ($\varnothing < 10$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red



Wall fitting



Ceiling fitting



Bollard light

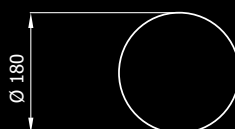
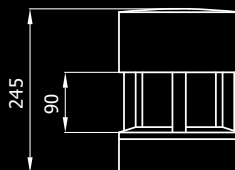
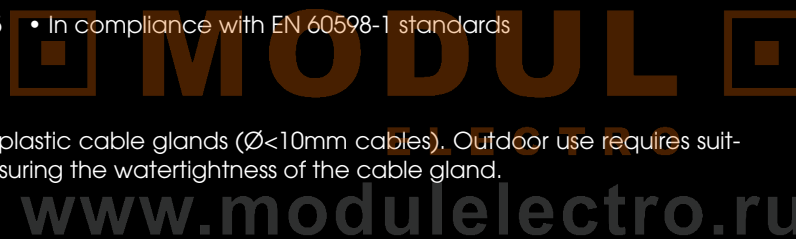


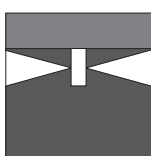
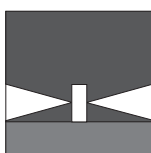
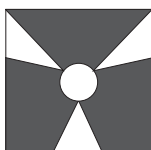
The fitting is equipped with 1 cable input



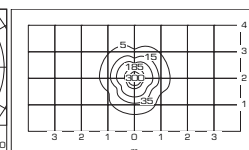
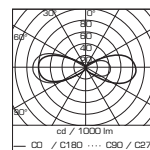
Protection against impact.

IK 07 - 2,00 joule

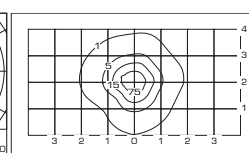
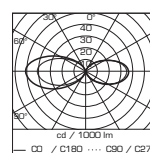




360° EMISSION
850100
QT 32 100W E27

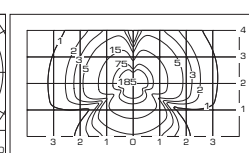
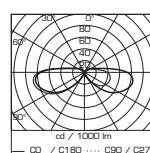


856300
TC-T 26W Gx24 d-3



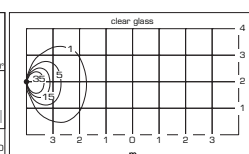
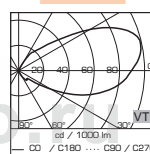
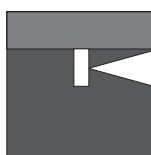
859800
TC-TEL 26W Gx24 q-3
Electronic ballast

853500
HIT 35W G12

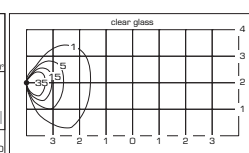
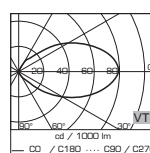


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120° EMISSION
850121
QT 32 100W E27

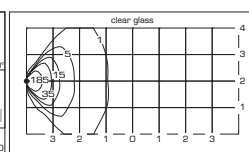
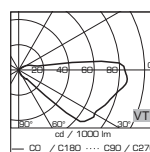


856321
TC-T 26W Gx24 d-3



859821
TC-TEL 26W Gx24 q-3
Electronic ballast

853521
HIT 35W G12



Silvia Post

IP65   

Description

Outdoor bollard light. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with borosilicate sandblasted glass diffuser and moulded silicone gasket. Silvia allows an easy-to-make maintenance and electrical connection thanks to stainless steel screws placed under the dome. Electrical components are housed into the base.

Versions available

Light emission:

- 360° emission – three windows
- 120° emission – one window

Diffuser:

- borosilicate sandblasted glass (VS)

Light sources

- 100W QT32 E27 halogen lamp
- 26W TC-T Gx24d-3 or 26W TC-TEL Gx24q-3 compact fluorescent lamp
- 35W HIT G12 metal halide lamp

Dimensions:

Diameter: 180mm

Heights: 700mm or 1200mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

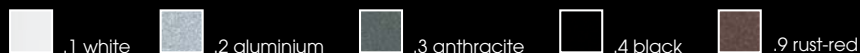
Class of insulation: I

Installation

Wiring through a M16 cable gland ($\varnothing < 10$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

Accessory on request: fixing plate with bolts and nuts

Colours available



Bollard light



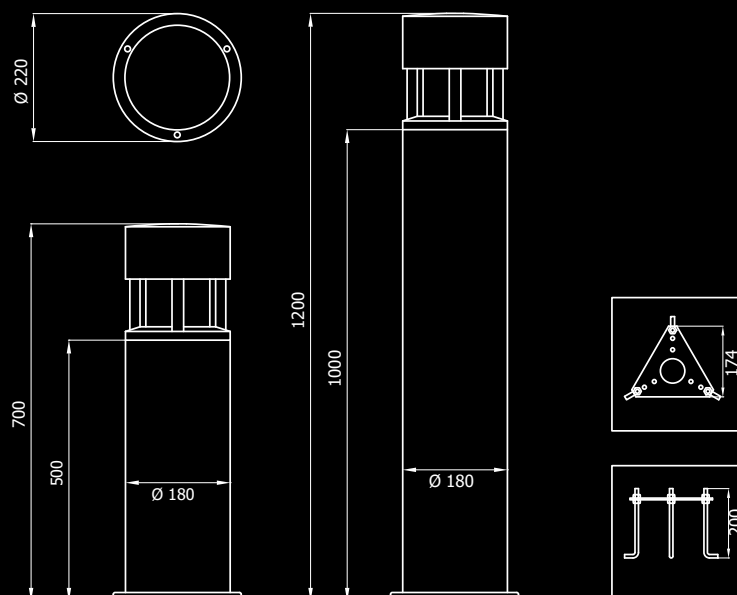
The fitting is equipped with 1 cable input



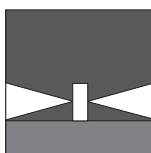
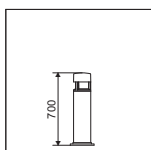
Protection against impact.

IK 07 - 2,00 joule

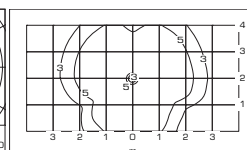
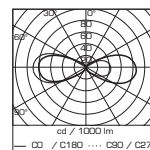
MODUL
www.modulelectro.ru



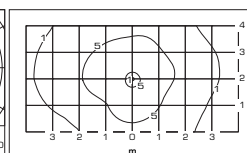
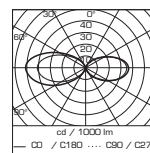
SILVIA POST



360° EMISSION
850173
QT 32 100W E27

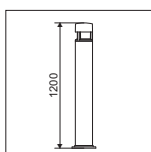
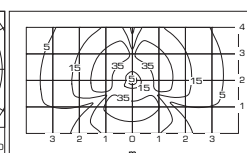
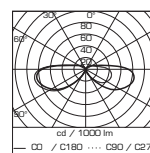


850973
TC-T 26W Gx24 d-3

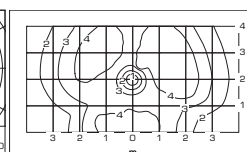
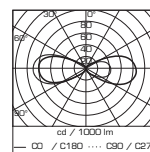


859873
TC-TEL 26W Gx24 q-3
Electronic ballast

853573
HIT 35W G12

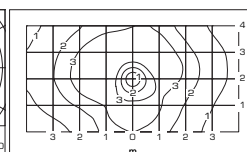
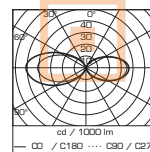


850174
QT 32 100W E27



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ELECTRO

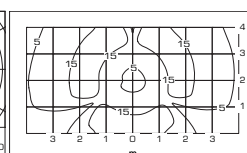
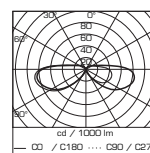
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TC-T 26W Gx24 d-3



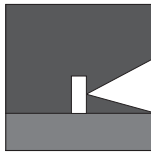
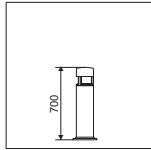
www.modulelectro.ru

859874
TC-TEL 26W Gx24 q-3
Electronic ballast

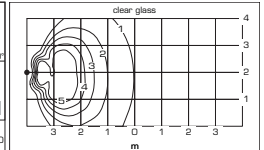
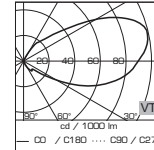
853574
HIT 35W G12



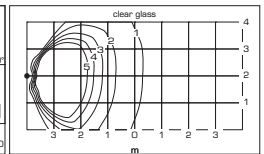
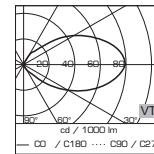
SILVIA POST



120° EMISSION
850175
 QT 32 100W E27

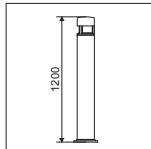
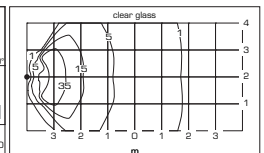
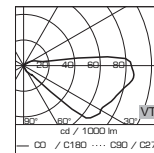


850975
 TC-T 26W Gx24 d-3

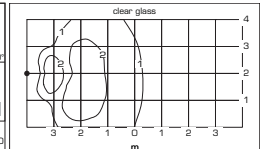
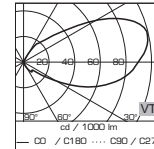


859875
 TC-TEL 26W Gx24 q-3
 Electronic ballast

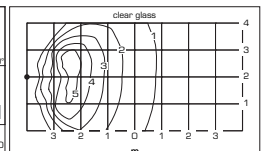
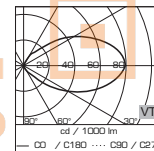
853575
 HIT 35W G12



850176
 QT 32 100W E27



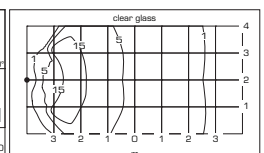
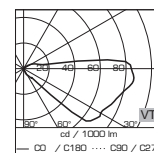
850976
 TC-T 26W Gx24 d-3



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ELECTRO
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859876
 TC-TEL 26W Gx24 q-3
 Electronic ballast

853576
 HIT 35W G12



21
 BASE PLATE AND POLE FIXING BOLTS



 **MODUL** 
ELECTRO
www.modul-electro.ru

Silvia Post Z1

IP65  

Description

Outdoor bollard light (Z1 version _ no light pollution). Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with borosilicate transparent glass diffuser and moulded silicone gasket. Silvia allows an easy-to-make maintenance and electrical connection thanks to stainless steel screws placed under the dome. Electrical components are housed into the base.

Versions available

Light emission:

- 360° emission – three windows
- 120° emission – one window

Diffuser:

- borosilicate transparent glass (VT)

Light sources

- 150W QT32 E27 halogen lamp
- 35W or 70W HIT G12 metal halide lamp

Dimensions

Diameter: 180mm
Heights: 700mm or 1200mm

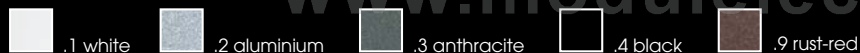
Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards
Class of insulation: I

Installation

Wiring through a M16 cable gland ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).
Accessory on request: fixing plate with bolts and nuts

Colours available



Bollard light



The fitting is equipped with 1 cable input

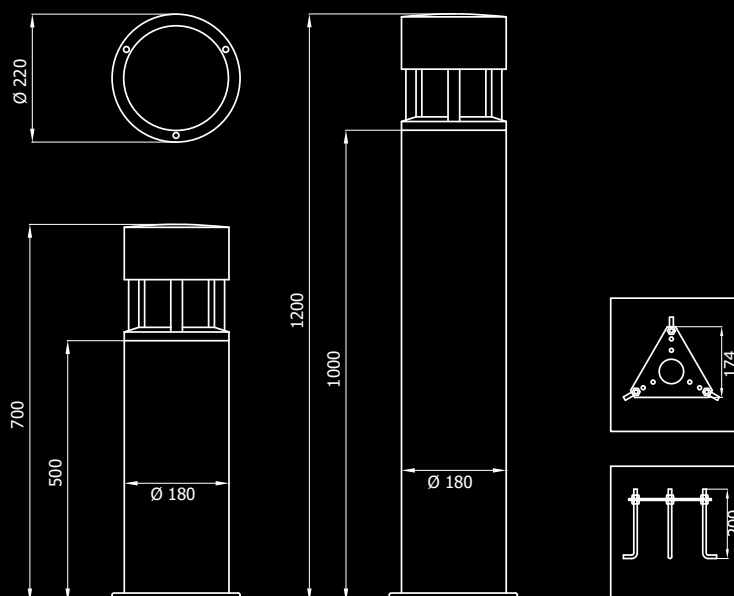
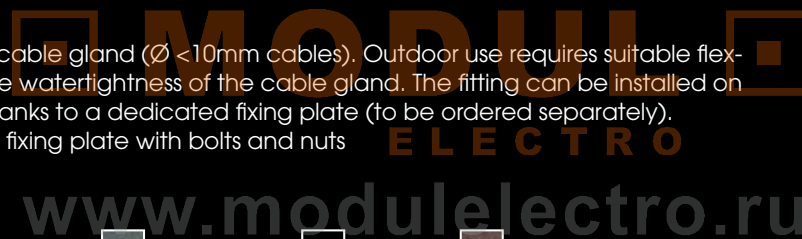


Full cut-off luminaire (no light pollution)

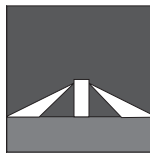
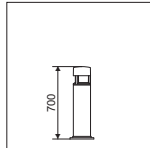


Protection against impact.

IK 07 - 2,00 joule



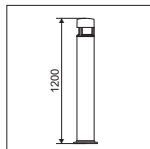
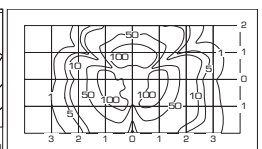
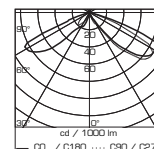
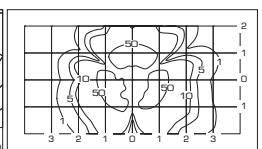
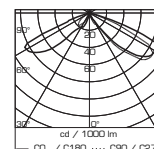
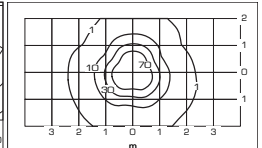
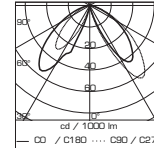
SILVIA Z1



360° EMISSION
850167
 QT 32 150W E27

853567
 HIT 35W G12

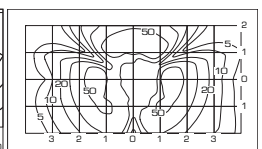
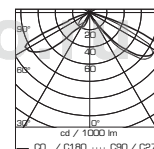
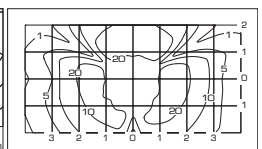
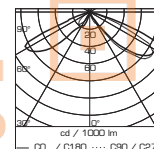
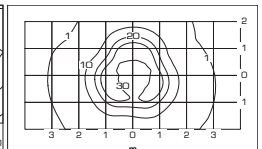
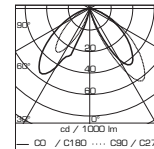
857167
 HIT 70W G12



850168
 QT 32 150W E27

853568
 HIT 35W G12

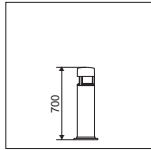
857168
 HIT 70W G12



MODULO
ELECTRO
www.modulelectro.com



SILVIA Z1



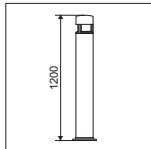
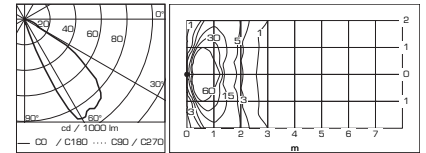
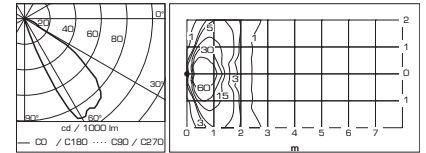
120° EMISSION
850169
 QT 32 150W E27



853569
 HIT 35W G12



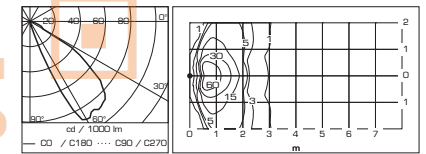
857169
 HIT 70W G12



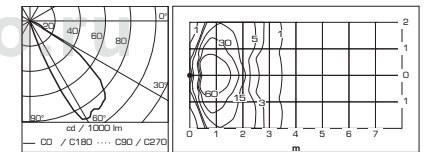
850170
 QT 32 150W E27



853570
 HIT 35W G12



857170
 HIT 70W G12




MODULE
ELECTRO
www.modulelectro.com



21
 BASE PLATE AND POLE FIXING BOLTS



A nighttime landscape lighting advertisement. The scene features a large, dark, conical tree in the center, illuminated from below with a bright green light. To the right, a palm tree is also illuminated with green light. In the foreground, a small, cylindrical light fixture sits on a lawn, casting a warm yellow glow. The background shows a dark garden with a bench and a small pond. The overall atmosphere is serene and modern.

MODUL
ELECTRO
www.modul-electro.ru



MODUL
ELECTRO
www.modulelectro.it

Laura is a cylindrical bollard with a 360° luminous emission. Its simple style and design make it particularly suitable for residential areas. Installation requires a dedicated pole available in both "in-ground" and "with base" version.

 **MODUL** 
ELECTRO
www.modulelectro.ru



Description

Outdoor cylindrical bollard light. Configuration: phospho-chromatised and polyester powder coated extruded aluminium post (four colours available) with opal polycarbonate diffuser, silicone gasket and coated die-cast aluminium cap.



Bollard light

Versions available

Diffuser:

- opal polycarbonate diffuser

Installation:

- head and post ("with base" or "in-ground") to be ordered separately for ground installation



The fitting is equipped with 1 cable input

Light sources

150W QT32 E27 halogen lamp

26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp



Protection against impact.

IK 08 - 7,00 joule

Dimensions:

Head: Diameter: Ø140mm – Height: 273mm

Pole with base: Diameter: Ø130mm – Height: 400/800/1000mm

In-ground pole: Diameter: Ø130mm – Height: 700/1100/1300mm (including 300mm root)

Technical features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Outdoor use requires suitable flexible cables. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

Accessory on request: fixing plate with bolts and nuts

Colours available



.1 white



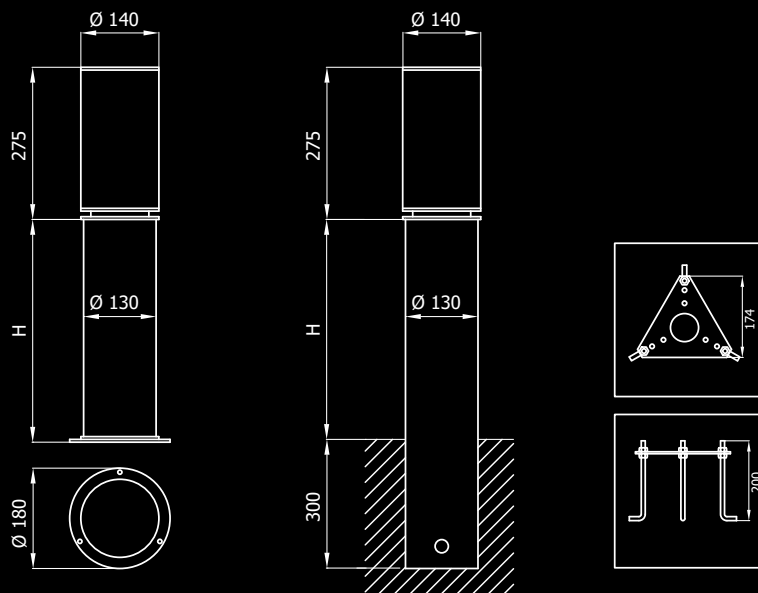
.2 aluminium

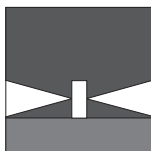


.3 anthracite

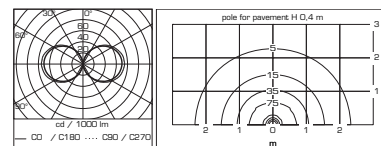


.4 black

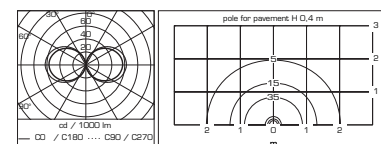




310100
QT 32 150W E27



310900
TC-D 26W G24 d-3



316100
TC-DEL 26W G24 q-3
Electronic ballast

POLES WITH BASE

1304
H 400 mm

1308
H 800 mm

1310
H 1000 mm



www.modulelectro.ru



POLES IN-GROUND

1404
H 400 mm

1408
H 800 mm

1410
H 1000 mm



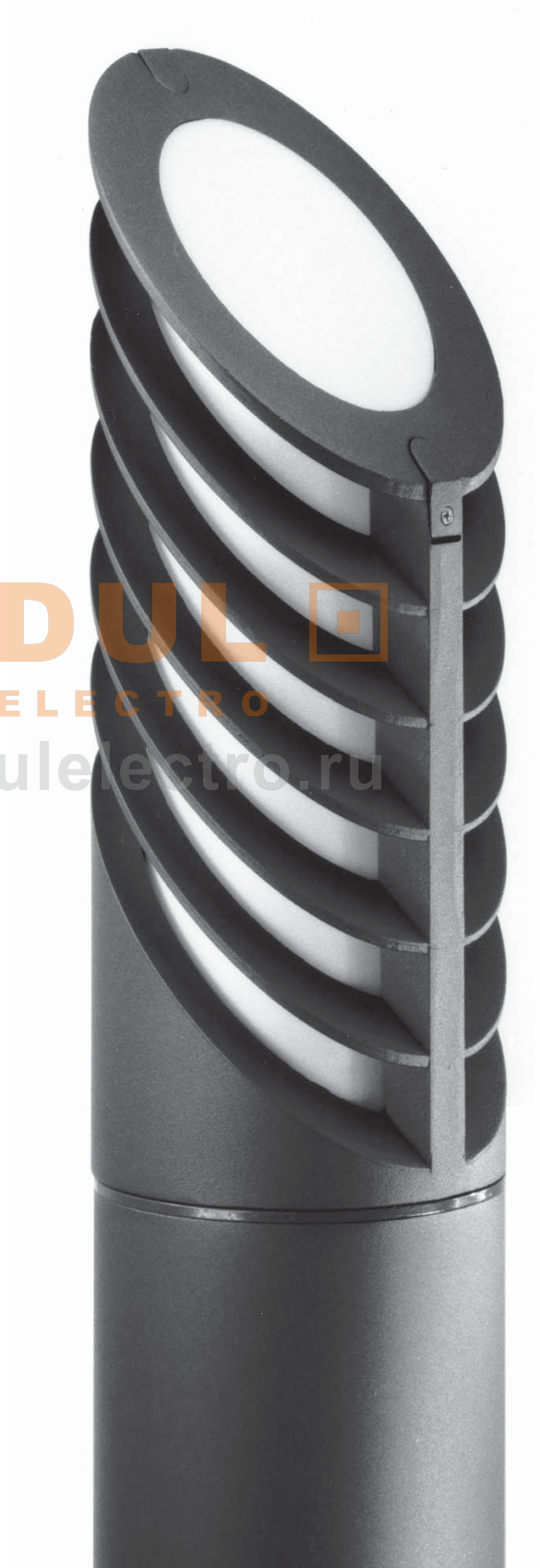
21
BASE PLATE AND POLE FIXING BOLTS



MODUL 
ELECTRO
www.modul-electro.ru

Vit is a Scandinavian-style bollard with a solid design. Thanks to its vandal-proof structure, the different heights and light sources available, Vit is an effective solution to public lighting.

MODUL
ELECTRO
www.modulelectro.ru



Description

Outdoor cylindrical bollard light. Configuration: phospho-chromatised and polyester powder coated extruded aluminium pole (four colours available) with coated die-cast aluminium head, opal polycarbonate diffuser and silicone gasket.



Bollard light

Versions available

Diffuser:

- opal polycarbonate diffuser

Light emission:

- 360° emission

Installation:

- head and post ("with base") to be ordered separately for ground installation



The fitting is equipped with 1 cable input

Light sources

200W QT32 E27 halogen lamp

26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

42W TC-TEL Gx24q-4 compact fluorescent lamp



Protection against impact:

IK 09 - 10,00 joule

Dimensions:

Head: Diameter: Ø180mm – Height: 500mm

Pole with base: Diameter: Ø180mm – Height: 500/1000/1500mm

Technical features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

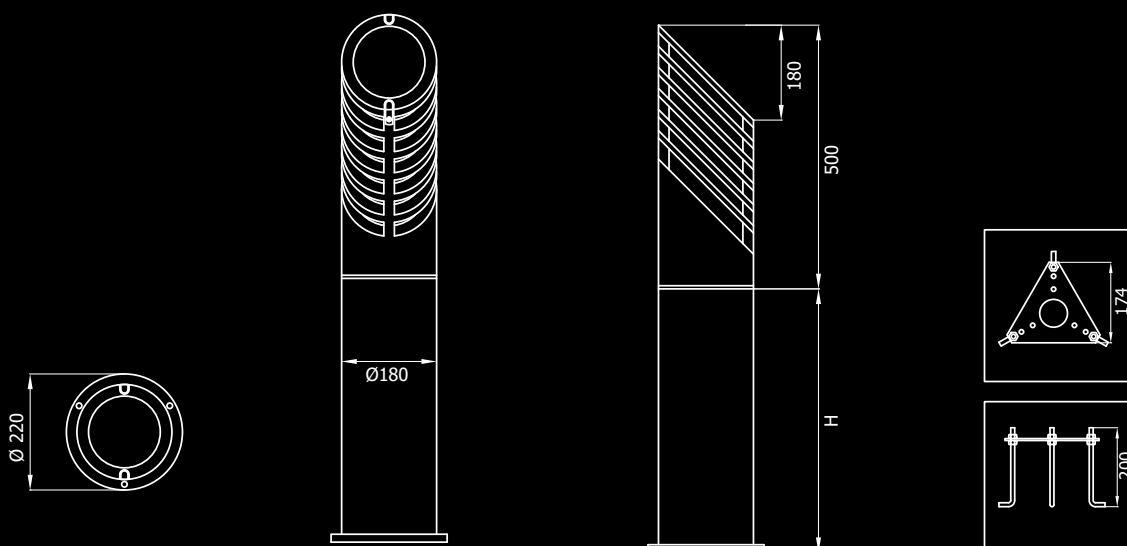
Outdoor use requires suitable flexible cables. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

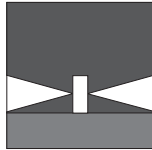
Accessory on request: fixing plate with bolts and nuts

Colours available



MODUL
ELECTRO
www.modulelectro.ru

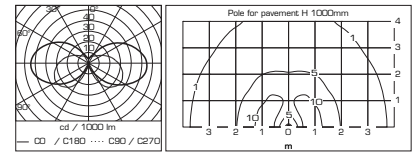




320100
QT 32 150W E27

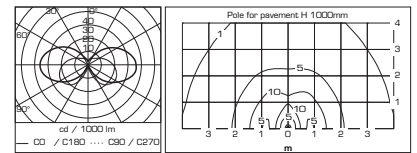


320900
TC-D 26W G24 d-3



326100
TC-DEL 26W G24 q-3
Electronic ballast

322100
TC-TEL 42W Gx24 q-4
Electronic ballast



POLES WITH BASE
1805
 H 500 mm

1810
 H 1000 mm

1815
 H 1500 mm

MODULO
ELECTRO
www.modulelectro.ru



21
BASE PLATE AND POLE FIXING BOLTS





Indirect light has always been a great challenge for lighting producers. Efficiency and visual comfort in lighting pedestrian areas, parks, pathways, walkways and squares is the very aim of Numero 10. This fitting, thanks to its pleasant luminous intensity, is well-adapted for both public and private use and can, therefore, be placed wherever light-pollution is a severe problem.



Numero Dieci

IP65  

Description

Full cut-off (no light pollution) outdoor luminaire for installation on ground. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure composed of a Ø 70mm pole (to be ordered separately) and a round big-sized cap at the top. The lower part of the cap, containing the light source, is closed by a polycarbonate disc fixed by a silicone gasket and stainless steel screws.



Bollard light

Versions available

Installation:

- pole with base
- in-ground pole

Diffuser:

- polycarbonate disc



The fitting is equipped with 1 cable input

Light sources

40W T5 2Gx13 circular (electronic ballast)



Full cut-off luminaire (no light pollution)

Dimensions

Cap: 400mm diameter

Pole with base:

Diameter: 70mm

Heights: 600mm, 1000mm and 1500mm.

In-ground pole:

Diameter: 70mm

Heights: 800mm, 1300mm, 1800mm (300mm in-ground part)



Protection against impact.

IK 09 - 10,00 joule

Technical features

Protection Rating: IP65

- In compliance with EN 60598-1 standards

Class of insulation: I





Glow wire test: 850°

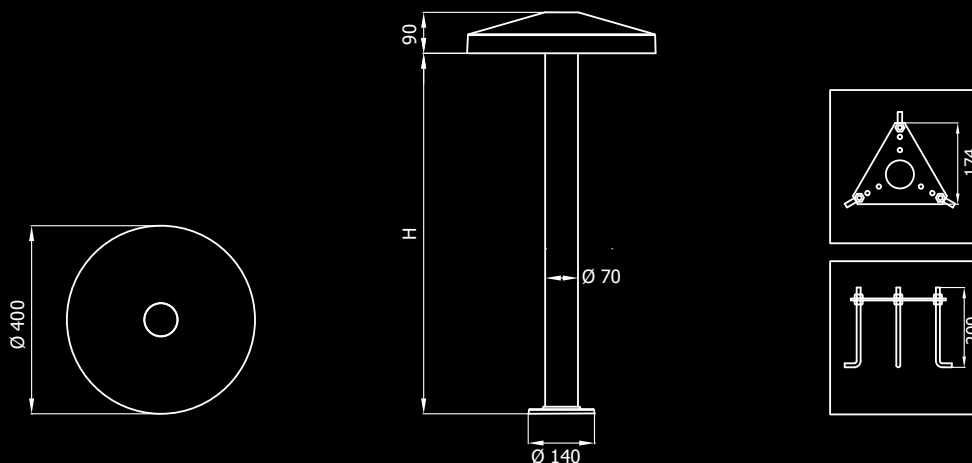
Installation

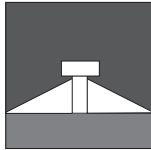
Wiring through a M16 plastic cable gland (Ø <10mm cables) placed on the polycarbonate dish. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Connection and maintenance by removing the cap. Cap and poles are to be ordered separately. The luminaire can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately).

Accessory on request: fixing plate with bolts and nuts.

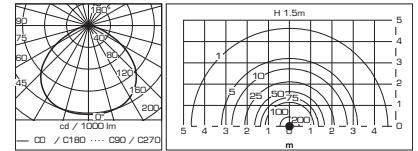
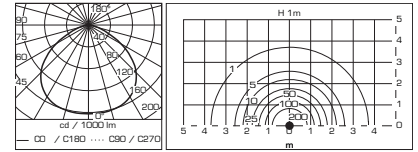
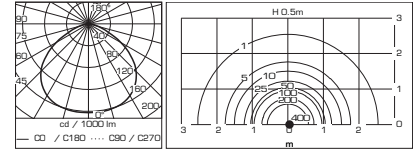
Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red





953200
T5 FC 40W 2GX13
Electronic ballast



POLE WITH BASE
9505
H 500 mm

9510
H 1000 mm

9515
H 1500 mm



POLES IN-GROUND
9508
H 800 mm

9513
H 1300 mm

9518
H 1800 mm

MODULO
ELECTRO
www.modulelectro.ru



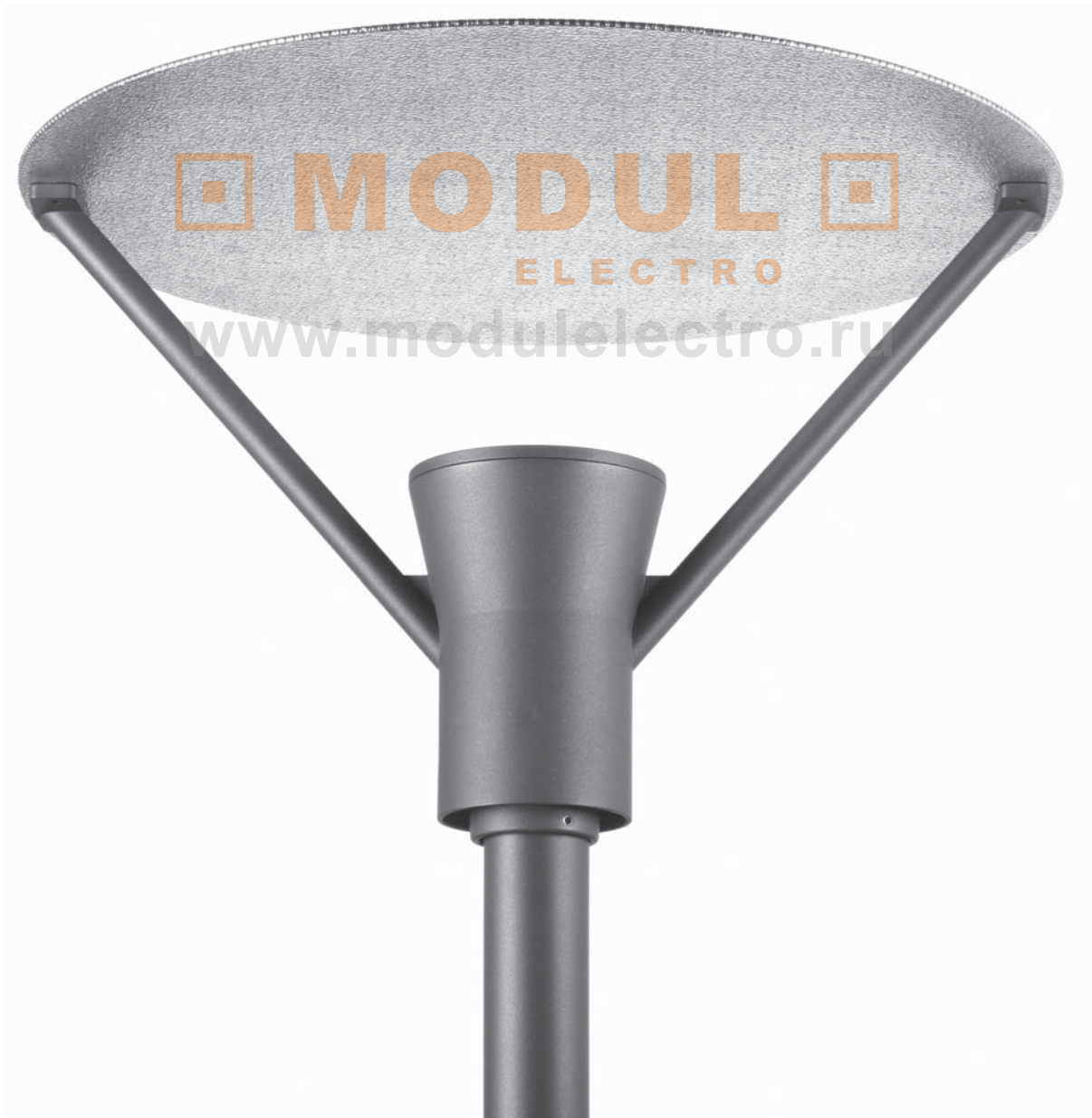
21
BASE PLATE AND POLE FIXING BOLT





MODUL
ELECTRO
www.modulelectro.ru

Maxi Tosca is an indirect light fitting. The reflective aluminium disc placed at the top generates an even, glare free light emission and, therefore, offers an enhanced visual comfort. The simple and sober design of Maxi Tosca perfectly matches both historical and modern city settings: squares, streets, public areas and parks.



Maxi Tosca

IP65  

Description

Outdoor indirect lighting luminaire for installation on pole. Configuration: pure hammered aluminium reflective disc, phospho-chromatised and polyester powder coated die-cast aluminium structure with extruded aluminium pole (four colours available), borosilicate transparent glass and moulded silicone gasket.



Bollard light

Versions available

Diffuser: borosilicate transparent glass

Light emission: Z1 (full cut-off) emission with no light pollution

Installation: head and pole ("with base" or "in-ground") to be ordered separately



The fitting is equipped with 1 cable input

Light sources

150W QT32 E27 halogen lamp

120W PAR38 E27 incandescent lamp

70W or 150W G12 metal halide lamp



Full cut-off luminaire (no light pollution)

Dimensions:

Head: reflective disc: Ø180mm - height: 450mm

Pole: with base: Diameter: Ø70mm - Height: 3000mm

Diameter: Ø102mm - Height: 4000mm

Diameter: Ø102mm - Height: 5000mm

in-ground: Diameter: Ø70mm - Height: 3000mm (plus 500mm root)

Diameter: Ø102mm - Height: 4000mm (plus 500mm root)

Diameter: Ø102mm - Height: 5000mm (plus 500mm root)



Protection against impact.

IK 08 - 5,00 joule

Technical features

Protection Rating: IP65 • in compliance with EN 60598-1 • Class of insulation: I

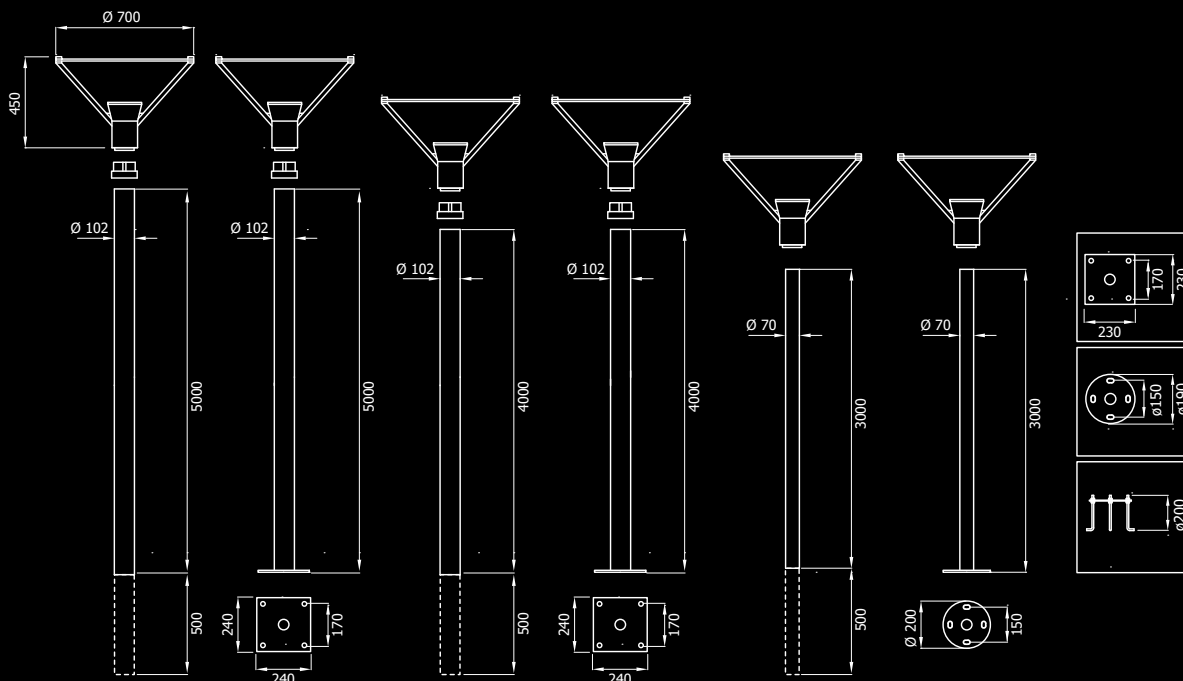
Installation

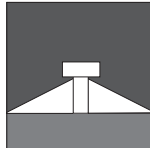
Wiring through an M16 cable gland (Ø <10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The fitting can be installed on a concrete surface thanks to a dedicated fixing plate (to be ordered separately). The head can be mounted on Ø102 poles thanks to a dedicated adapter (to be ordered separately). Accessories on request:

- fixing plate with bolts and nuts
- dedicated adapter to fix the head to Ø102 poles

Colours available

 .1 white  .2 aluminium  .3 anthracite  .4 black





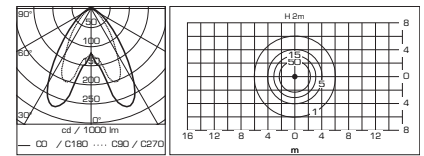
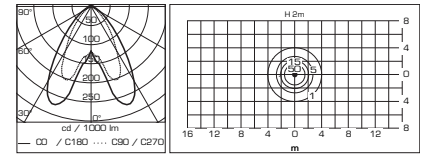
410100
QT 32 150W E27

PAR 38 120W E27

PAR 30S 150W E27
HALOGEN A PRO

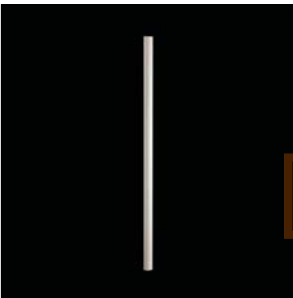
417100
HIT 70W G12
Electronic ballast

411500
HIT 150W G12
Electronic ballast



ø70 - COATED HOT-DIP GALVANIZED STEEL POLE IN-GROUND

4135
H 3000 mm

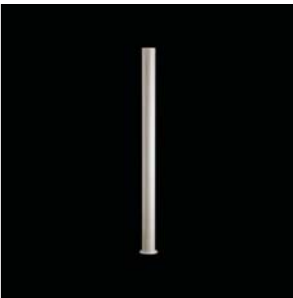


MODUL
ELECTRO

ø70 - COATED HOT-DIP GALVANIZED STEEL POLE WITH BASE

4130
H 3000 mm

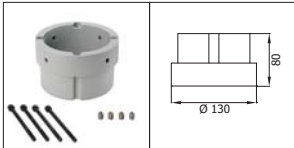
www.modulelectro.ru



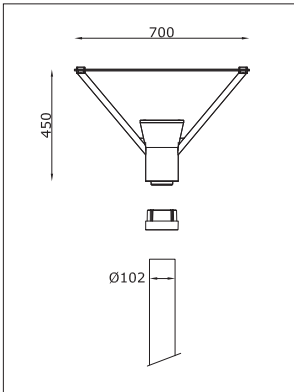
111
BASE PLATE AND POLE FIXING BOLTS



MAXI TOSCA



69
ACCESSORY FOR POST Ø 102 mm



Ø102 - COATED HOT-DIP GALVANIZED STEEL POLE WITH ACCESS DOOR_IN-GROUND

4145
POLE Ø102x4000 OUTSIDE

4155
POLE Ø102x5000 OUTSIDE



MODULO
ELECTRO
www.modulelectro.ru

Ø102 - COATED HOT-DIP GALVANIZED STEEL POLE WITH ACCESS DOOR_WITH BASE

4140
POLE Ø102x4000

4150
POLE Ø102x5000



116
BASE PLATE AND POLE FIXING BOLTS





MODUL
ELECTRO
www.modulelectro.ru



MODULO
ELECTRO
moduloelectro.ru

Small spotlight with a linear, clear-cut design, Martina led has the highest degree of protection in our range (IP68 1m) allowing installation in the most various and extreme settings: outdoor, indoor, residential areas, urban areas, private houses, shopping malls and anywhere an architectural detail needs to be lighted.

MODULO
ELECTRO
www.modulelectro.ru



Description

Outdoor spotlight with IP68 (1 meter) degree of protection for installation in extreme settings or in continuous immersion up to 1meter. Configuration: turned and anodized aluminium structure with stainless steel adjustable bracket, stainless steel screws, nitrile rubber gaskets and tempered transparent glass with silkscreen border. The glass is mechanically fixed to the structure by a silicone glue. On request the aluminium structure can be coated with polyester powder (5 colours available) after a chromate-conversion treatment.

Versions Available

Diffuser:

tempered transparent glass with silkscreen border

Finishing:

- turned, anodized aluminium

- turned, anodized aluminium with polyester powder coating (5 colours available)

Light emission: wide beam 30°

Light sources

3x1W/constant current 350mA led module (series connection)*

cool white 6000 K - warm white 3000 K - blue 475nm

* Equivalent SELV remote power supply to be ordered separately

Accessory on request: constant current 350mA power supply

Dimensions

Diameter: 85mm

Height: 100mm

Width: 50mm

Technical features

*Protection rating: IP68 1 meter in compliance with EN 60598-1

Class of insulation: III

Installation

The luminaire is already equipped with 2 meters of neoprene cable fixed to a cable gland place inside the fixture. We recommend not to remove the cable but to use terminal boxes or connectors (to be ordered separately). We recommend to feed the luminaire with a 350mA constant current, but for installation underwater also 500mA constant current is accepted (water dissipates exceeding heat). Accessory on request:

- 2 or 3 way terminal connector IP68.
- technopolymer ground spike.

Colours Available



Wall fitting



Floor installation



The fitting is equipped with 1 cable input

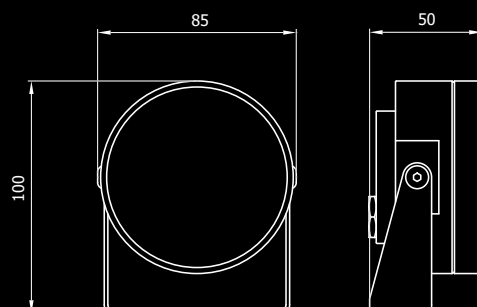


The electronic power supply must be installed on remote position



Protection against impact.

IK 07 - 2,00 joule





NARROW BEAM
10°
ON REQUEST



10510600
3 COOL WHITE LED 3x1W/350mA d.c
Remote electronic power supply to be ordered



10510700
3 WARM WHITE LED 3x1W/350mA d.c
Remote electronic power supply to be ordered



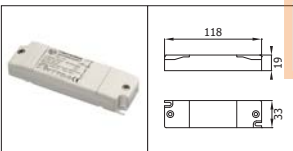
10510800
3 BLUE LED 3x1W/350mA d.c
Remote electronic power supply to be ordered



75
3 way terminal block 3 poles
IP 68



76
2 way terminal block 3 poles
IP 68



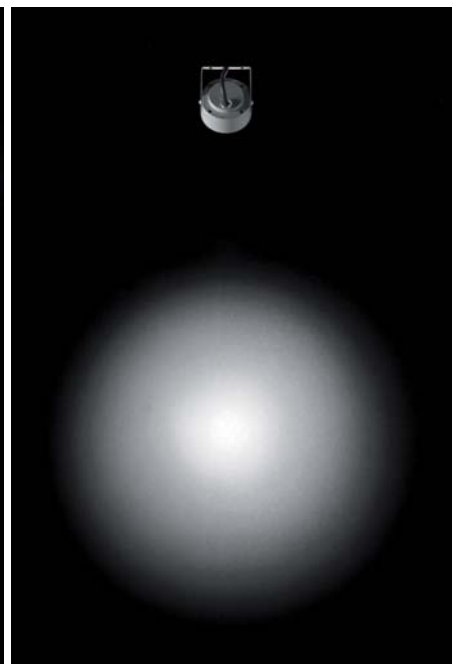
68
POWER SUPPLY
115-240V - I out 350 mA 8x1W
Electronic power supply

MODULO
ELECTRO

www.modulelectro.ru



45
GROUND SPIKE





EMODUL 
ELECTRO
www.modulele.ro

Yoda is a stylish floodlight with a modern and catchy design. The light emission unit rotates around the horizontal and vertical axis giving Yoda a great versatility. It is suitable for installation in the most various settings and is ideal for both outdoor and indoor use.



Description

Square spotlight for outdoor installation on wall, pavement or ceiling. Configuration: die-cast aluminium structure with a wiring unit and an emitting unit connected through a pivot allowing rotation around the horizontal and vertical axis. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment. The emitting unit is equipped with a transparent glass with silkscreen border fixed to the aluminium structure through a robotic gluing system. The wiring unit has stainless steel screws and a silicone gasket. The pivot has a graduated disk and a stainless steel screw to set the position of the emitting unit along the vertical axis, while the horizontal adjustment is based on a self-locking mechanism. A steel fixing base allows installation on wall.

Versions Available

Emitting unit:

- square adjustable emitting unit with tempered transparent glass with silkscreen border

Led light emission:

- wide beam 40°

Wiring unit:

- integrated power supply

Light sources

20W CDM-Tm 20W Metal halide lamp (electronic ballast)

9x1W/190-240V led module (cool-white 6000 K, warm-white 3000 K, and blue 475nm)*

* Integrated power supply

Dimensions

Square emitting unit: 125x125x60mm

Square wiring unit: 125x125x60mm

Technical features

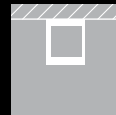
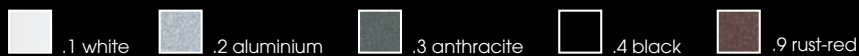
Protection rating: IP65 in compliance with EN 60598-1

Class of insulation: I

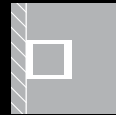
Installation

Wiring through a EPDM rubber cable gland for $\varnothing < 9\text{mm}$ cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. Installation on wall requires the dedicated fixing base supplied with the luminaire.

Colours Available



Ceiling fitting



Wall fitting



Floor installation

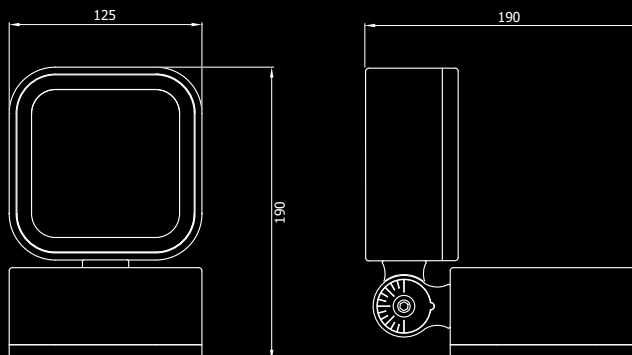
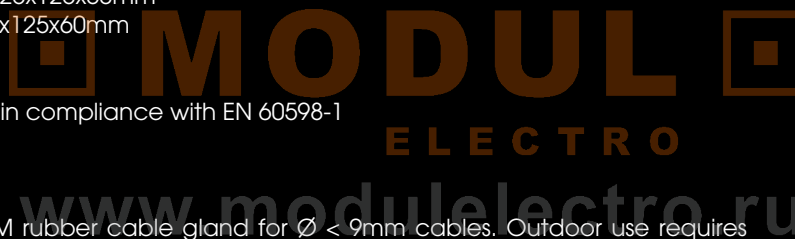


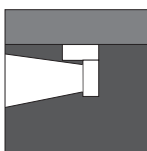
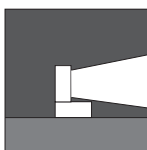
The fitting is equipped with 1 cable input



Protection against impact.

IK 09 - 10,00 joule





1066600
CDM-Tm 20W PGJ5/ 220-240V
Electronic ballast



led 10610900
9 COOL WHITE LED 9x1W/190-240V
Electronic power supply included
< 80°C



10611000
9 WARM WHITE LED 9x1W/190-240V
Electronic power supply included
< 80°C



10611100
9 BLUE LED 9x1W/190-240V
Electronic power supply included
< 80°C



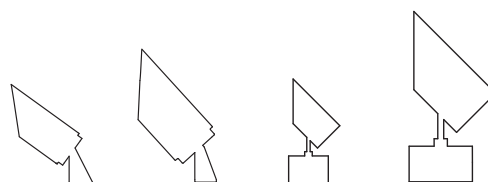
MODUL

ELECTRO

www.modulelectro.ru









Norma family is composed of two floodlights of different dimensions. The wide range of light sources, optics and accessories available, together with the added feature of rotating around a both vertical and horizontal axis make Norma family an outstanding element on the international market. The high degree of protection (IP65) allows installation on most extreme outdoor settings and, thanks to the discreet design, it can also be easily included on indoor projects for shops, showrooms, museums and shopping centres.

MODULO
ELECTRO



www.modulelectro.ru



Designed by Gigetto

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ELECTRO
www.modulelectro.ru



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ELECTRO
www.modulelectro.ru



Mini Norma

IP65  

Description

Outdoor projector for installation on wall, soil or pavement. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure (four colours available) composed of a cubic wiring-unit fixed and connected to a cylindrical light-emission unit equipped with tempered transparent or sandblasted glass diffuser and silicone gasket. The light emission unit is three-axis adjustable and is connected to the wiring unit by a metal sheathed cable and two metal cable glands. Stainless steel screws allow to fix the light emission unit at the desired position.

Versions available

Diffuser: tempered transparent glass (VT) – sandblasted glass on request (VS)

Beam: standard beam: flood and medium

optional 9° beam for version equipped with QT12 GY6,35

Light sources

50W PAR16 GZ10 dichroic lamp

50W/12V QRCBC51 GU5,3 dichroic lamp (electronic transformer housed into the wiring unit)

50W/12V QT12 GY6,5 halogen lamp (electronic transformer housed into the wiring unit)

Dimensions:

Cubic wiring unit: section: 100mm side
height: 70mm

Cylindrical light-emission unit: diameter: 80mm
length: 180mm



Wall installation



Floor installation



The fitting is equipped with 2 cable input



Protection against impact.

IK 07 - 2,00 joule

Technical features

Protection Rating: IP65

• In compliance with EN 60598-1 standards

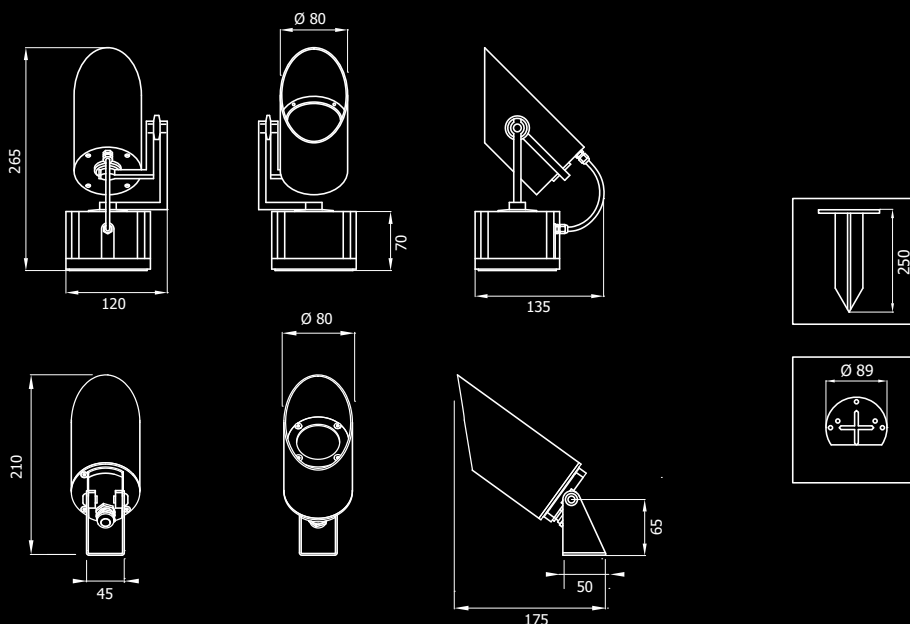
Class of insulation: I

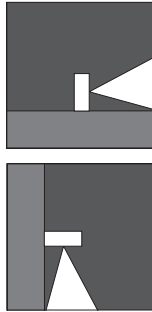
Installation

Wiring through two M16 cable glands ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The luminaire can be installed on soil thanks to a dedicated plastic picket. (to be ordered separately).

Accessory on request: technopolymer ground spike.

Colours Available





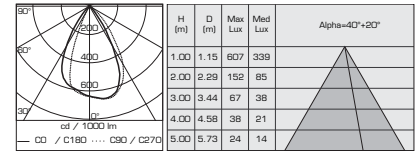
902800
PAR 16 50W/230V GZ10



903300
QR CBC 51 50W/12V GU5,3
Electronic ballast

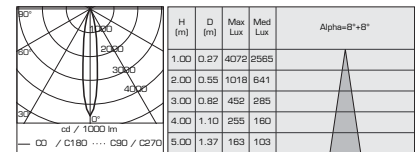


902500
QT 12 50W/12V GY6,35*
Electronic ballast



NARROW BEAM 9°

902512
QT 12 50W/12V GY6,35*
Electronic ballast

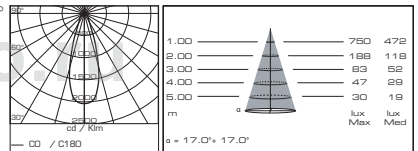


*Use only osram 50W capsule lamp axial cord

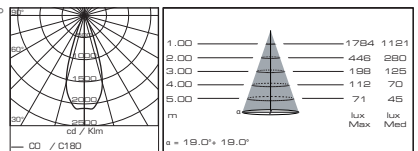
MODULO ELECTRO



902891
PAR 16 50W/230V GZ10



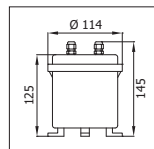
903391
QR CBC 51 50W/12V GU5,3
Remote transformer to be ordered



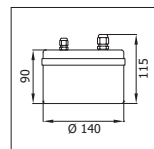
45
GROUND SPIKE



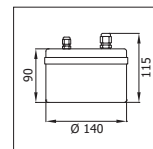
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66

Description

Outdoor projector for installation on wall, soil or pavement. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure (four colours available) composed of a cubic wiring-unit fixed and connected to a cylindrical light-emission unit equipped with tempered transparent glass diffuser and silicone gasket. The light emission unit is three-axis adjustable and is connected to the wiring unit by a metal sheathed cable and two metal cable glands. Stainless steel screws allow to fix the light emission unit at the desired position.

Versions available

Diffuser: tempered transparent glass (VT)

Beam: standard beam: flood for fluorescent compact lamp and medium for MH lamp

optional 40° and 16° beams for versions equipped with metal halide lamps

optional ellipsoidal beam thanks to a dedicated ellipsoidal lens (only in 16° beam version)

Accessory on request: ellipsoidal lens to replace the finish glass (only in 16° beam versions)

Light sources

100W QT32 E27 halogen lamp

100W PAR30S E27 halogen lamp (to mount this lamp remove the resident reflector)

18W TC-T Gx24d-2 or 18W TC-TEL Gx24q-2 compact fluorescent lamp

35W or 70W G12 metal halide lamp (electronic ballast)

26W TC-T Gx24q-3 compact fluorescent lamp (electronic ballast) for small base version

Dimensions:

Cubic wiring unit: section: 160mm side • height: 93mm

Cylindrical light-emission unit: diameter: 140mm • length: 290mm

Technical features

Protection Rating: IP65 • in compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M20 cable glands ($\varnothing < 13$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The luminaire can be installed on soil thanks to a dedicated plastic picket (to be ordered separately).

Accessory on request: technopolymer ground spike.

Colours Available



Wall installation



Floor installation

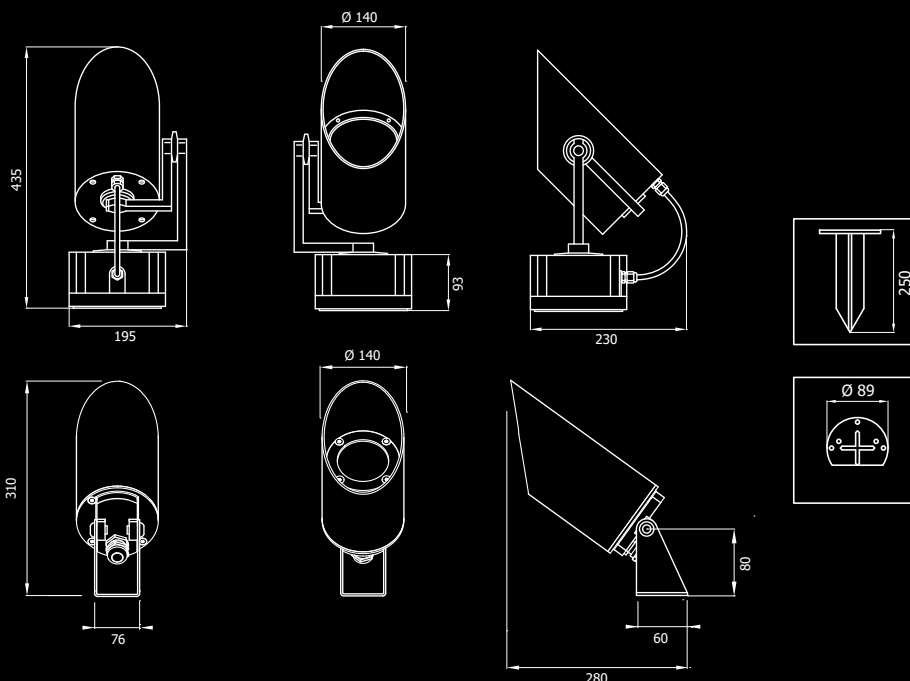


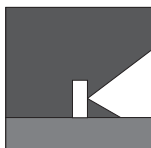
The fitting is equipped with 2 cable input



Protection against impact.

IK 07 - 2,00 joule





910100
QT 32 100W E27

PAR 30S 100W E27*

912300
TC-T 18W Gx24 d-2

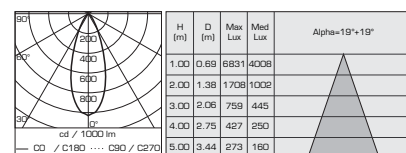
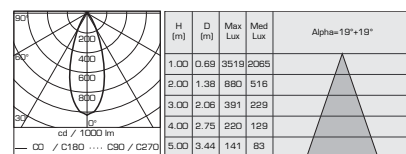
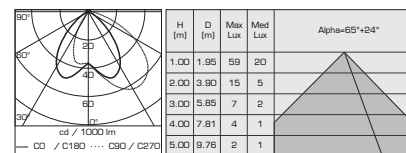
918500
TC-TEL 18W Gx24 q-2
Electronic ballast

913500
HIT 35W G12
Electronic ballast

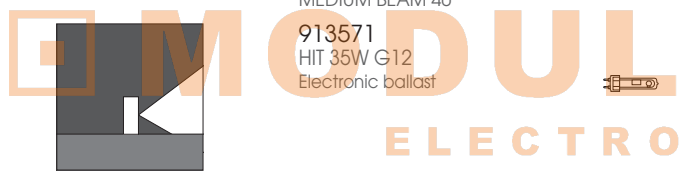
917100
HIT 70W G12
Electronic ballast



*For the use of this light source remove the reflector

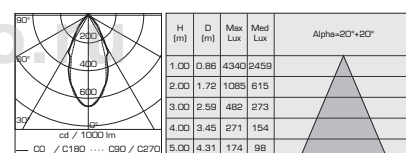
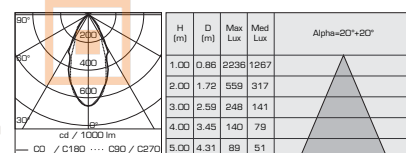


MEDIUM BEAM 40°



913571
HIT 35W G12
Electronic ballast

917171
HIT 70W G12
Electronic ballast

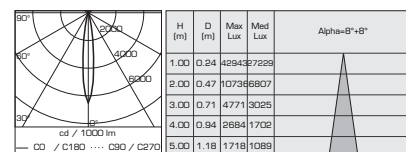
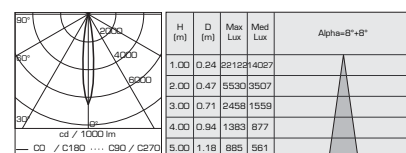


NARROW BEAM 16°



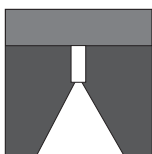
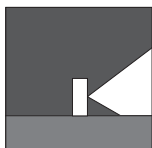
913512
HIT 35W G12
Electronic ballast

917112
HIT 70W G12
Electronic ballast



45
GROUND SPIKE

NORMA

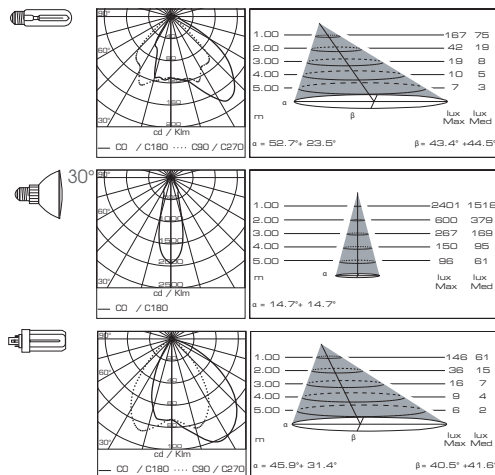


910191
QT 32 100W E27

PAR 30S 75W E27*

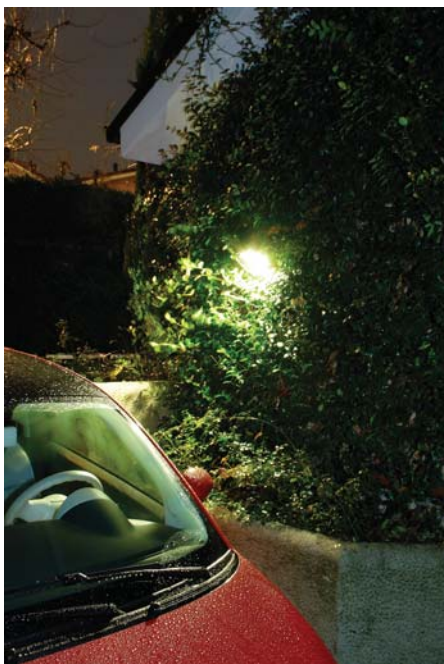
916391
TC-T 26W Gx24 q-3
Electronic ballast

* For the use of this light source
remove the reflector



45
GROUND SPIKE

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ELECTRO
www.modulelectro.ru



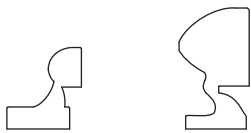


MODUL
ELECTRO

www.modulelectro.ru

A nighttime photograph of a modern building facade. The building features large, textured panels and arched window openings. Warm, golden light emanates from the panels and the window frames, creating a glowing effect. The sky is dark, and a tree is visible on the right side. A watermark is overlaid on the center of the image.

MODULO
ELECTRO
www.modulelectro.ru



Nina and Ninetta are two floodlights of different dimensions with a solid structure and an innovative, compact design. Available in different versions and with different accessories, Nina and Ninetta offer designers endless solutions to emphasize, highlight, focus on and draw attention to various architectural and setting elements. Nina unites the best features of Ninetta and a series of further accessories, together with a widest and most intense flood of light.

MODUL
ELECTRO
www.modulelectro.it



Ares concept

Ninetta

IP65  

Description

Outdoor projector for installation on wall, soil or pavement. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (four colours available) composed of a base fixed and connected to a light-emission unit equipped with tempered sandblasted or transparent glass diffuser and silicone gasket. The light emission unit can be adjusted along the horizontal axis and is connected to the wiring unit by a metal sheathed cable and two metal cable glands. Stainless steel screws allow to fix the light emission unit at the desired position.

Versions available

Diffuser: tempered sandblasted glass (VS) – transparent glass on request (VT)
Accessories on request: dichroic colour filters to replace the top glass anti-glare visor

Light sources

35W PAR16 GZ10 dichroic lamp
35W/12V QRCBC51 GU5,3 dichroic lamp (toroidal transformer housed into the base/wiring unit)

Dimensions:

Light-emission unit: Ø109mm – length: 108mm
Bracket: Ø 25mm – Length: 600mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards
Class of insulation: I

Installation

Wiring through a M16 cable gland (Ø<10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The luminaire can be installed on soil thanks to a dedicated plastic picket (to be ordered separately).
Accessory on request: technopolymer ground spike.

Colours Available

 .1 white  .2 aluminium  .3 anthracite  .4 black



Wall fitting



Floor installation



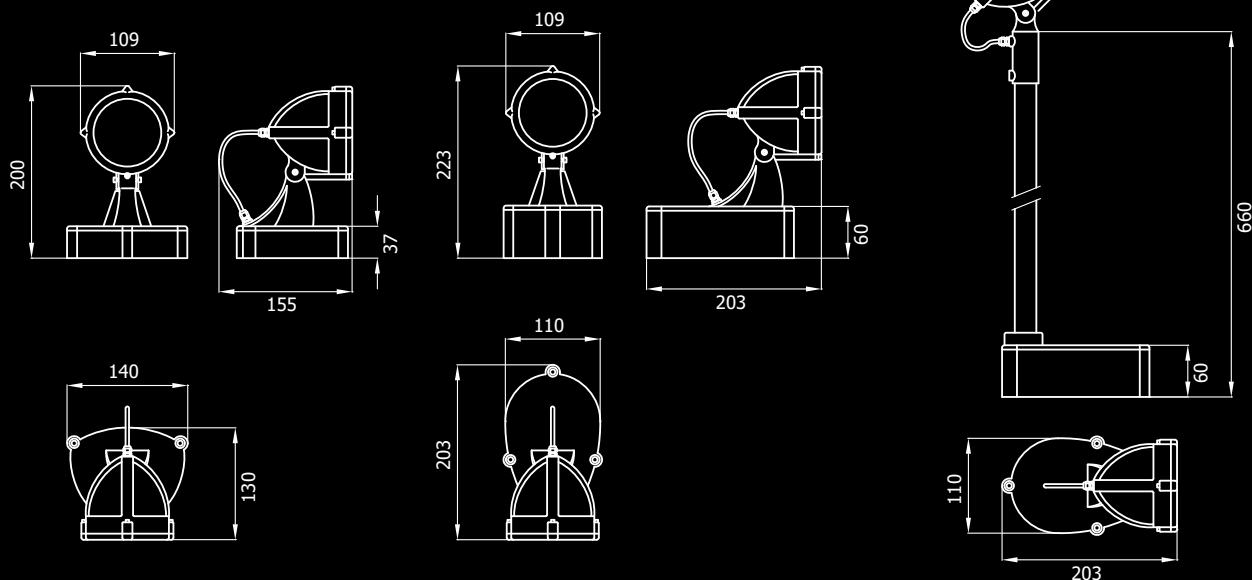
The fitting is equipped with 1 cable input

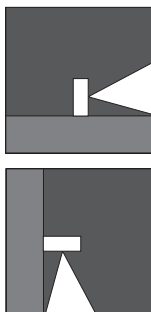


Protection against impact.

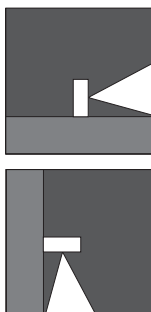
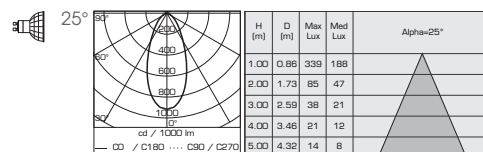
IK 08 - 5,00 joule

MODUL
ELECTRO
www.modulelectro.ru





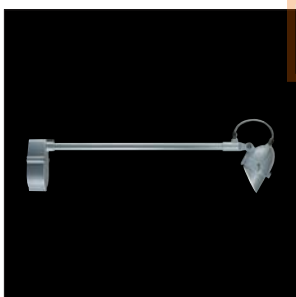
642800
PAR 16 35W/230V GZ10



643300
QR CBC 51 35W/12V GU5,3



Toroidal transformer 60VA
230V/12V 50-60Hz included



VERSION WITH BRACKET L 600 MM

643316
QR CBC 51 35W/12V GU5,3



Toroidal transformer 60VA
230V/12V 50-60Hz included

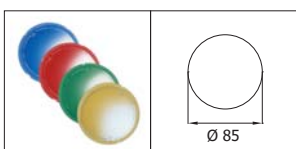
MODULE ELECTRO
www.modulelectro.ru



44
VISOR



45
GROUND SPIKE



FOR CODE
642800 - 643300
643316

DICHOIC FILTER

51.5
yellow

51.6
green

51.7
red

51.8
blue

Description

Outdoor projector for installation on wall, soil or pavement. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure (four colours available) composed of a base fixed and connected to a light emission unit equipped with tempered transparent glass diffuser and silicone gasket. The light emission unit can be adjusted along the horizontal axis and is connected to the wiring unit by a metal sheathed cable and two metal cable glands. Stainless steel screws allow to fix the light emission unit at the desired position.

Versions available

Diffuser: tempered transparent glass (VT)

Beam: optional 30° beam of metal halide lamp versions

Accessories on request: dichroic colour filters to replace the top glass anti-glare visor

Light sources

100W QT32 E27 halogen lamp

100W PAR30S E27 halogen lamp (to mount this lamp remove the resident reflector)

18W TC-T Gx24d-2 or 18W TC-TEL Gx24q-2 compact fluorescent lamp

35W, 70W or 150W HIT G12 metal halide lamp (ballast housed into the base/wiring unit)

Dimensions:

Light-emission unit: Ø190mm – length: 214mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through a M16 cable gland (Ø<10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The luminaire can be installed on soil thanks to a dedicated plastic picket (to be ordered separately).

Accessory on request: technopolymer ground spike.

Colours Available



Wall fitting



Bollard light

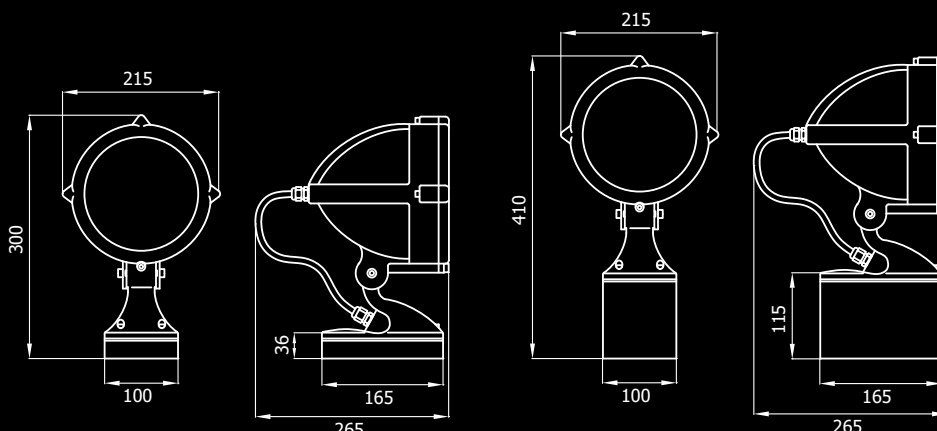
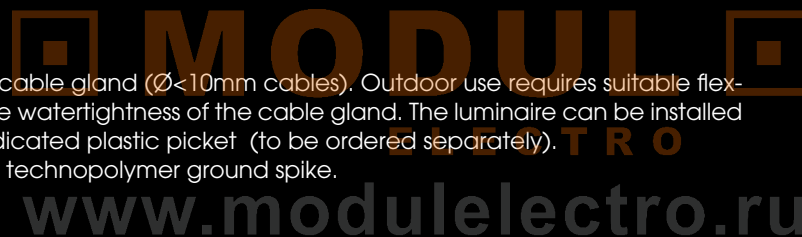


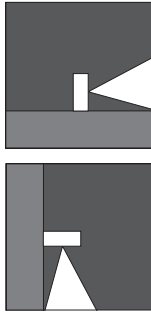
The fitting is equipped with 1 cable input



Protection against impact.

IK 08 - 5,00 joule





130100
QT 32 100W E27



H (m)	D (m)	Max Lux	Med Lux	Alpha=59°+59°
1.00	3.38	209	68	
2.00	6.71	52	17	
3.00	10.07	23	8	
4.00	13.43	13	4	
5.00	16.78	8	3	

132300
TC-T 18W Gx24 d-2



H (m)	D (m)	Max Lux	Med Lux	Alpha=59°+59°
1.00	3.31	138	39	
2.00	6.61	34	10	
3.00	9.92	15	4	
4.00	13.23	9	2	
5.00	16.53	6	2	

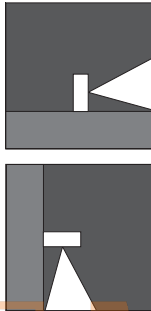
138500
TC-TEL 18W Gx24 q-2
Electronic ballast



H (m)	D (m)	Max Lux	Med Lux	Alpha=59°+59°
1.00	3.31	138	39	
2.00	6.61	34	10	
3.00	9.92	15	4	
4.00	13.23	9	2	
5.00	16.53	6	2	

*For the use of this light source remove the reflector

VERSION WITH AUXILIARY INCORPORATED



133500
HIT 35W G12



H (m)	D (m)	Max Lux	Med Lux	Alpha=25°+25°
1.00	0.95	2059	1115	
2.00	1.91	515	279	
3.00	2.86	229	124	
4.00	3.82	129	70	
5.00	4.77	82	45	

137100
HIT 70W G12



H (m)	D (m)	Max Lux	Med Lux	Alpha=25°+25°
1.00	0.95	3619	1960	
2.00	1.91	905	490	
3.00	2.86	402	218	
4.00	3.82	226	123	
5.00	4.77	145	78	

131500
HIT 150W G12



H (m)	D (m)	Max Lux	Med Lux	Alpha=25°+25°
1.00	0.95	6737	4731	
2.00	1.91	2184	1163	
3.00	2.86	971	526	
4.00	3.82	546	296	
5.00	4.77	349	189	



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VERSION WITH AUXILIARY INCORPORATED - MEDIUM BEAM 30°

133512
HIT 35W G12



H (m)	D (m)	Max Lux	Med Lux	Alpha=15°+15°
1.00	0.63	4634	2771	
2.00	1.25	1158	693	
3.00	1.88	515	308	
4.00	2.50	290	173	
5.00	3.13	185	111	

137112
HIT 70W G12



H (m)	D (m)	Max Lux	Med Lux	Alpha=15°+15°
1.00	0.63	8144	4919	
2.00	1.25	2036	1269	
3.00	1.88	905	546	
4.00	2.50	509	307	
5.00	3.13	326	197	

131512
HIT 150W G12



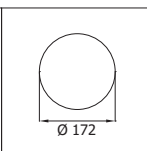
H (m)	D (m)	Max Lux	Med Lux	Alpha=15°+15°
1.00	0.63	19526	11754	
2.00	1.25	4915	2939	
3.00	1.88	2184	1306	
4.00	2.50	1229	735	
5.00	3.13	786	470	



10
VISOR



45
GROUND SPIKE



FOR CODE

- 130100 - 133500
- 137100 - 131500
- 133512 - 137112
- 131512

DICHROIC FILTER

52.5 yellow 52.6 green

52.7 red



52.8 blue



 **MODU** 
ELECTRO
www.moduelectro.ru



Well appreciated for its various adjustable luminous flux, Franco, available in two different versions, offers an effective indoor and outdoor lighting for walls, ceilings, floors, promenades, walkways, pedestrian areas and pathways. Furthermore, its versatility (it can be mounted on walls, poles or ceilings) makes Franco the ideal fitting to light architectural details.

 **MODUL** 
ELECTRO
www.modulelectro.ru





MODUL
ELECTRO
www.modulelectro.ru

maggioni
design d'intèrni

Maggioni
 falegnameria

MODULO
ELECTRO
www.modulelectro.ru

Mini Franco Z1

IP65   

Description

Outdoor luminaire for installation on wall or on pole. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (three colours available), pure aluminium optics, tempered extra-clear glass diffuser, silicone gasket and stainless steel screws. Electrical components are housed into the body. The luminaire is equipped with a graduated coated aluminium fixing plate allowing a precise installation on the wall. To be full cut-off (Z1 - no light pollution) the luminaire must be installed with a downward emission.

Versions available

Optics:

- fixed asymmetric optic

Installation:

- on wall through a fixing base - on pole
- on wall through a 600 mm bracket

Diffuser:

- transparent glass (VT)

Light sources

60W QT32 E27 halogen lamp

26W TC-T GX24 d-3 compact fluorescent lamp

20W PGJ5 metal halide lamp (electronic ballast)

Dimensions

Width: 175 mm

Height: 105 mm

Length: 305 mm (distance from the wall including the fixing plate)

Glass: 200x130 mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

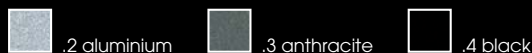
Installation

Wiring through a M16 metal cable gland ($\varnothing < 10$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The pole version has to be installed using a dedicated bracket (to be ordered separately)

Accessories on request:

- 600 mm bracket for installation on wall
- poles with base or in ground

Colours Available



Wall fitting



Floor installation



Installation on pole



The fitting is equipped with 1 cable input



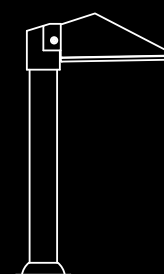
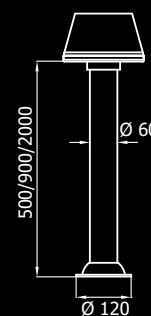
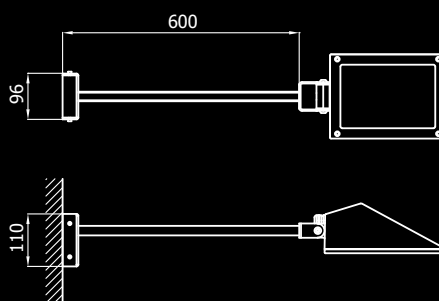
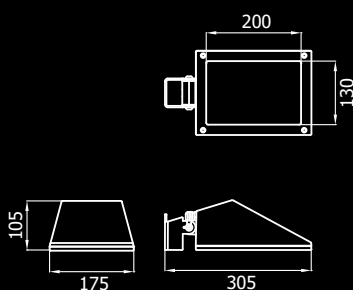
Full cut-off luminaire (no light pollution)



Protection against impact.

IK 07 - 2,00 joule

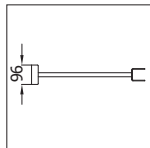
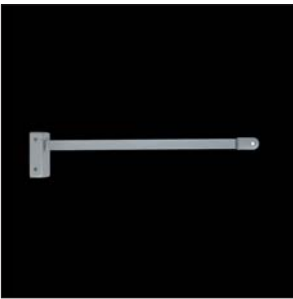
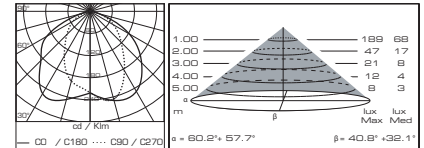
MODULO ELECTRO
www.modulelectro.ru



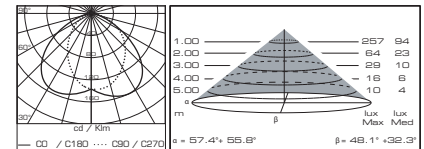
MINI FRANCO Z1



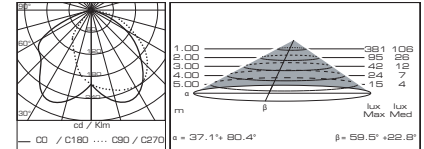
160114
QT 32 60W E27



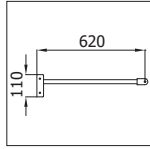
166314
TC-T 26W Gx24 d-3



163714
CDM-Tm 20W PGJ5
Electronic ballast



88
ARM 600 mm



POLES WITH BASE

1005
H 500 mm

1009
H 900 mm

117
H 2000 mm

www.modulelectro.ru

POLES IN GROUND

1105
H 500 mm

1109
H 900 mm



Mini Franco led

IP65   

Description

Outdoor luminaire for installation on wall or on pole. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (three colours available), pure aluminium optics, tempered extra-clear glass diffuser, silicone gasket and stainless steel screws. Electrical components are housed into the body. The luminaire is equipped with a graduated coated aluminium fixing plate allowing a precise installation on the wall. To be full cut-off (Z1 - no light pollution) the luminaire must be installed with a downward emission.

Versions available

Optics:

- fixed symmetric optic (wide beam 40°)

Installation:

- on wall through a fixing base - on pole
- on wall through a 600 mm bracket

Diffuser:

- transparent glass (VT)

Light sources

16 led module 16W (cool-white 5500 K, warm-white 3000 K, and blue 475nm) (transformer integrated into the module)

Dimensions

Width: 175 mm

Height: 105 mm

Length: 305 mm (distance from the wall including the fixing plate)

Glass: 200x130 mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through a M16 metal cable gland ($\varnothing < 10$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The pole version has to be installed using a dedicated bracket (to be ordered separately)

Accessories on request:

- 600 mm bracket for installation on wall
- poles with base or in ground

Colours Available



Wall fitting



Floor installation



Installation on pole



The fitting is equipped with 1 cable input



Full cut-off luminaire (no light pollution)

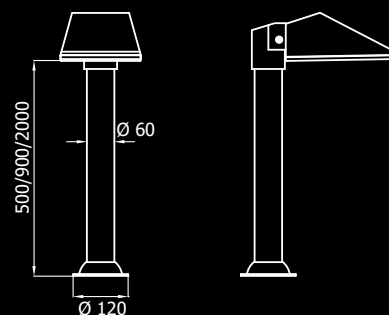
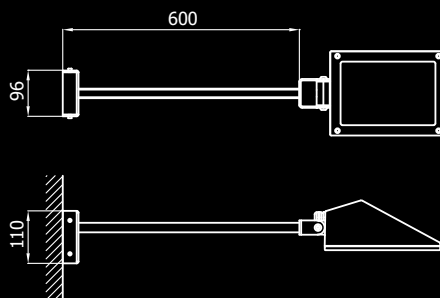
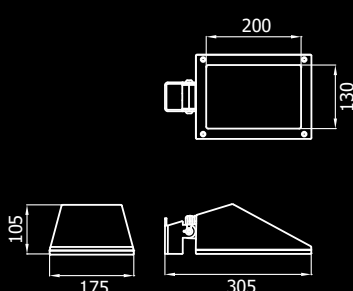


Protection against impact.

IK 07 - 2,00 joule



www.modulelectro.ru





1610013
16 COOL WHITE LED 16x1W/230V
Electronic power supply included
< 80°C



1610113
16 WARM WHITE LED 16x1W/230V
Electronic power supply included
< 80°C



1610213
16 BLUE LED 16x1W/230V
Electronic power supply included
< 80°C



1610012
16 COOL WHITE LED 16x1W/230V
Electronic power supply included
< 80°C



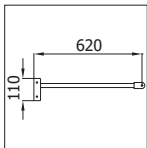
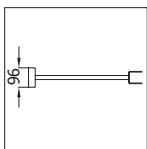
1610112
16 WARM WHITE LED 16x1W/230V
Electronic power supply included
< 80°C



1610212
16 BLUE LED 16x1W/230V
Electronic power supply included
< 80°C



MODULO
ELECTRO
www.modulelectro.ru



88
ARM 600 mm

POLES WITH BASE

1005
H 500 mm

1009
H 900 mm

117
H 2000 mm



POLES IN GROUND

1105
H 500 mm

1109
H 900 mm



Franco Z1

IP65   

Description

Outdoor luminaire for installation on wall or on pole. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (three colours available), pure aluminium optics, tempered extra-clear glass diffuser, silicone gasket and stainless steel screws. Electrical components are housed into the body. The luminaire is equipped with a graduated coated aluminium fixing plate allowing a precise installation on the wall. To be full cut-off (Z1 – no light pollution) the luminaire must be installed with a downward emission.

Versions available

Optics:

- fixed symmetric optic
- fixed asymmetric optic

Installation:

- on wall through a fixing base
- on pole through dedicated arms (to be ordered separately)

Diffuser:

- transparent glass (VT)

Light sources

- 200W QT-DE max R7s halogen lamp
- 70W HIT-DE RX7s metal halide lamp

Dimensions

Width: 245mm

Height: 128mm

Length: 420mm (distance from the wall including the fixing plate)

Glass: 260x175mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

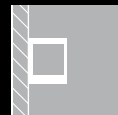
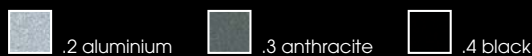
Installation

Wiring through a M20 metal cable gland ($\varnothing < 13\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The pole version has to be installed using a dedicated bracket (to be ordered separately)

Accessories on request:

- 180mm bracket for installation on $\varnothing 102\text{mm}$ pole
- 500mm bracket for installation on $\varnothing 102\text{mm}$ pole

Colours Available



Wall fitting



Floor installation



Installation on pole



The fitting is equipped with 1 cable input



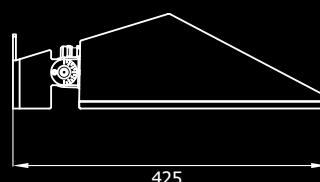
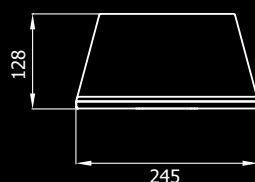
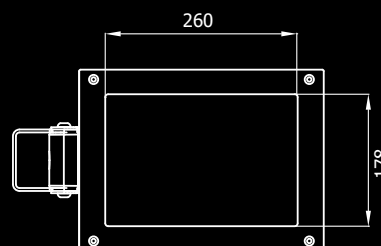
Full cut-off luminaire (no light pollution)

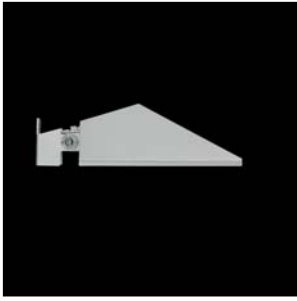


Protection against impact.

IK 07 - 2,00 joule

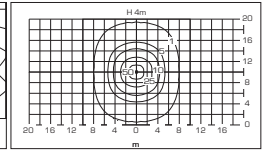
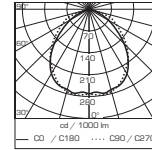
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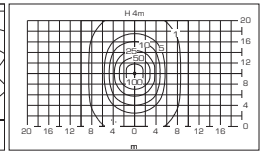
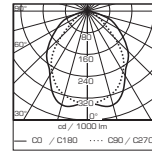


VERSION WITH SYMMETRIC OPTIC

961413
QT-DE 12 200W R7S



962913
HIT-DE 70W RX7S

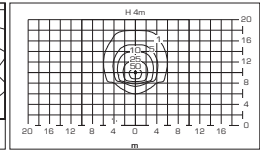
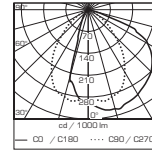
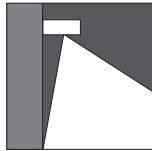


HST-DE 70W RX7S

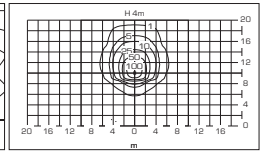
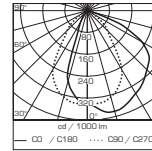



VERSION WITH ASYMMETRIC OPTIC

961414
QT-DE 12 200W R7S



962914
HIT-DE 70W RX7S



HST-DE 70W RX7S 

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Maxi Franco Z1

IP65   

Description

Outdoor luminaire for installation on wall or on pole. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (three colours available), pure aluminium optics, tempered extra-clear glass diffuser, silicone gasket and stainless steel screws. Electrical components are housed into the body. The luminaire is equipped with a graduated coated aluminium fixing plate allowing a precise installation on the wall. To be full cut-off (Z1 – no light pollution) the luminaire must be installed with a downward emission.

Versions available

Optics:

- fixed symmetric optic
- fixed asymmetric optic
- street light reflector

Installation:

- on wall through a fixing base
- on pole through dedicated arms (to be ordered separately)

Diffuser:

- transparent glass (VT)

Light sources

- 300W QT-DE R7s halogen lamp
- 150W HIT-DE RX7s metal halide lamp
- 60W and 140W HIT-COS PGZ12 metal halide lamp

Dimensions

- Width: 290mm
- Height: 150mm
- Length: 500mm (distance from the wall including the fixing plate)
- Glass: 350x215mm

Technical features

- Protection Rating: IP65 • In compliance with EN 60598-1 standards
- Class of insulation: I


Installation

Wiring through a M20 metal cable gland ($\varnothing < 13\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland. The pole version has to be installed using a dedicated bracket (to be ordered separately)

Accessories on request:

- 180mm bracket for installation on $\varnothing 102\text{mm}$ pole
- 500mm bracket for installation on $\varnothing 102\text{mm}$ pole

Colours Available

-  .2 aluminium
-  .3 anthracite
-  .4 black



Wall fitting



Floor installation



Installation on pole



The fitting is equipped with 1 cable input

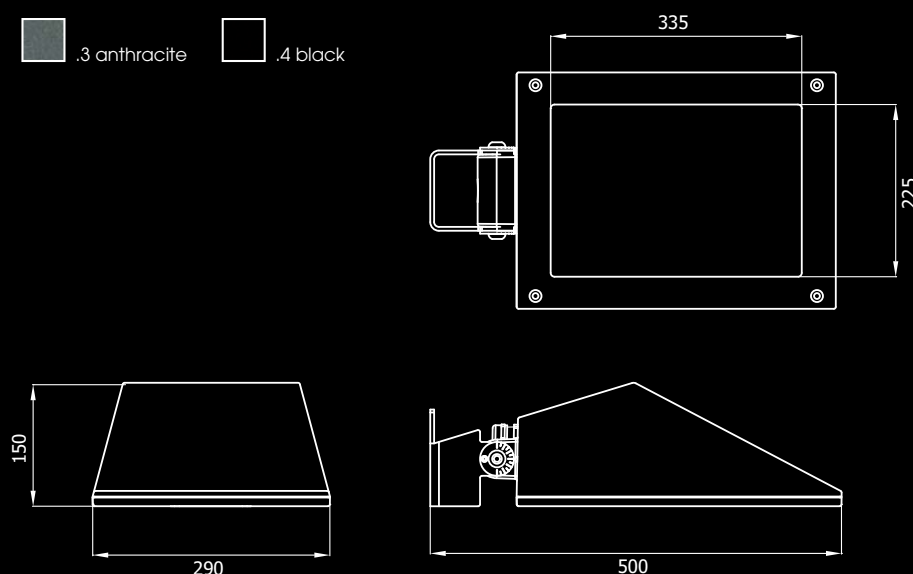


Full cut-off luminaire (no light pollution)



Protection against impact.

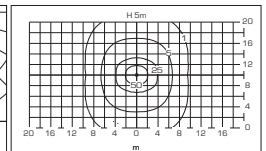
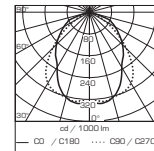
IK 07 - 2,00 joule



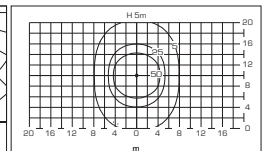
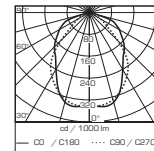
MAXI FRANCO Z1

VERSION WITH SYMMETRIC OPTIC

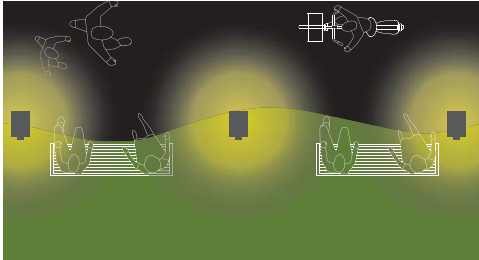
971413
QT-DE 12 300W R7S



971913
HIT-DE 150W RX7S

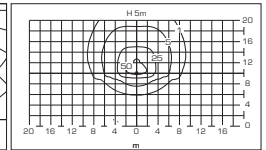
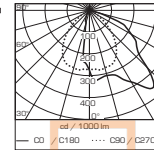


HST-DE 150W RX7S

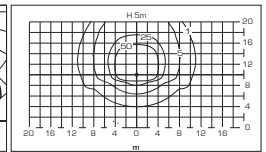
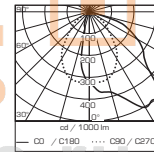


VERSION WITH ASYMMETRIC OPTIC

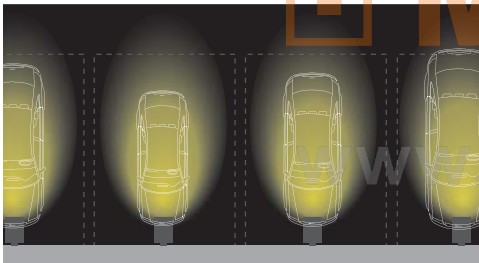
971414
QT-DE 12 300W R7S



971914
HIT-DE 150W RX7S



HST-DE 150W RX7S

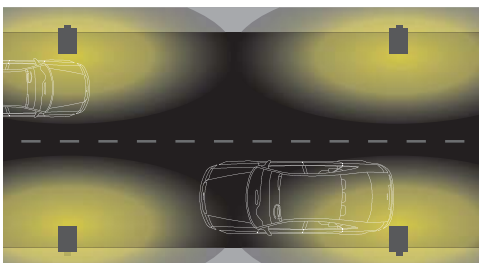
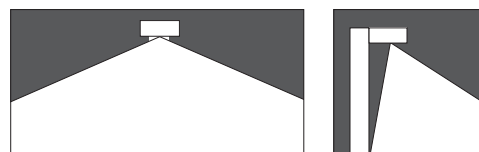


VERSION WITH STREET LIGHT REFLECTOR

97138109
HIT-COS PGZ12 60W



97139109
HIT-COS PGZ12 140W





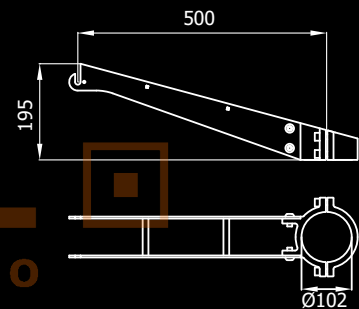
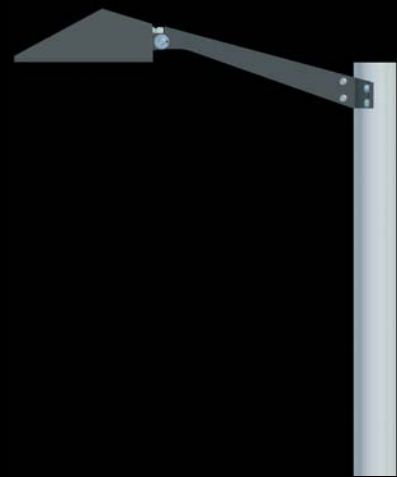
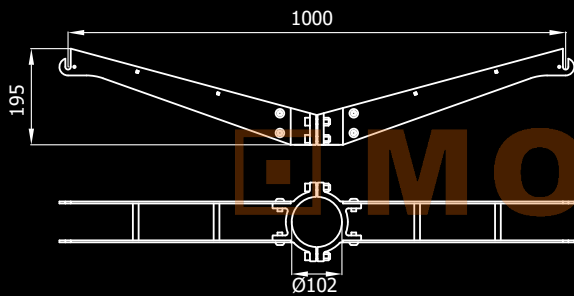
A nighttime photograph of a paved walkway or parking area illuminated by modern streetlights. The scene is dark, with the lights creating bright pools of light on the pavement and casting long shadows. The streetlights are tall and slender, with multiple light heads. The pavement is made of interlocking bricks or tiles. In the background, there are trees and a white wall. The overall atmosphere is clean and modern.

MODUL

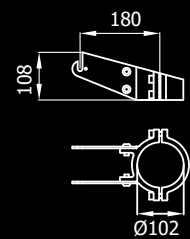
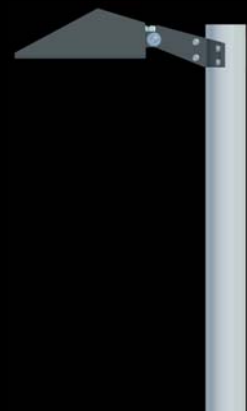
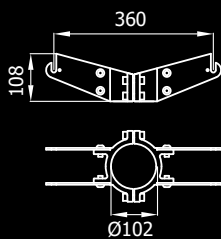
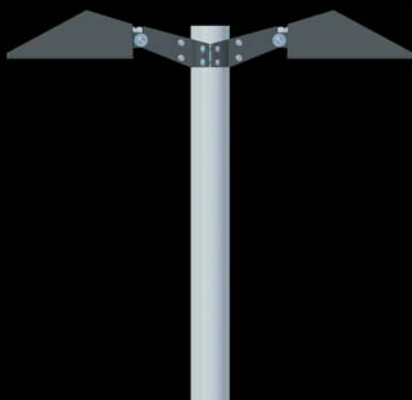
ELECTRO

www.modulelectro.ru

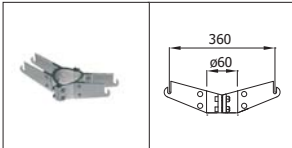
Accessories Franco and Maxifranco for pole $\varnothing 102$



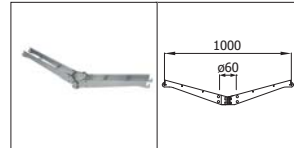
ELMODUL
ELECTRO
www.modulelectro.ru



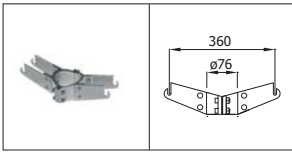
ACCESSORIES FRANCO AND MAXIFRANCO FOR POLE



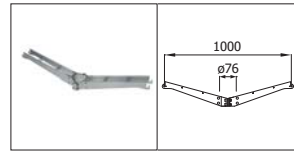
95
DOUBLE BRAKET 180 MM
FOR POLE Ø 60



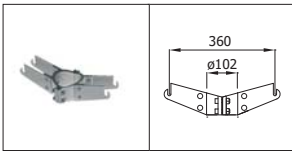
96
DOUBLE BRAKET 500 MM
FOR POLE Ø 60



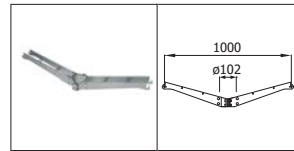
114
DOUBLE BRAKET 180 MM
FOR POLE Ø 76



115
DOUBLE BRAKET 500 MM
FOR POLE Ø 76



90
DOUBLE BRAKET 180 MM
FOR POLE Ø 102



89
DOUBLE BRAKET 500 MM
FOR POLE Ø 102



Ø102 - COATED HOT-DIP GALVANIZED STEEL POLE WITH ACCESS DOOR_IN-GROUND

4145
POLE Ø102x4000 OUTSIDE

4155
POLE Ø102x5000 OUTSIDE

Ø102 - COATED HOT-DIP GALVANIZED STEEL POLE WITH ACCESS DOOR_WITH BASE

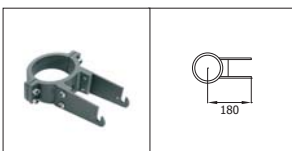
4140
POLE Ø102x4000

4150
POLE Ø102x5000

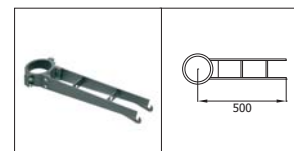
MODULO
ELECTRO
www.modulelectro.ru



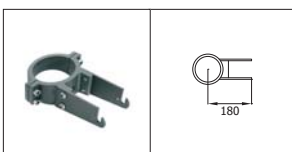
116
BASE PLATE AND POLE FIXING BOLTS



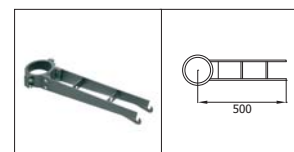
93
ARM 180 mm FOR POLE Ø 60



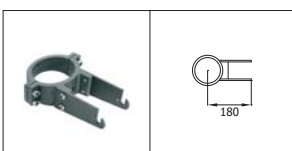
94
ARM 500 mm FOR POLE Ø 60



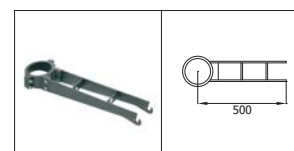
112
ARM 180 mm FOR POLE Ø 76



113
ARM 500 mm FOR POLE Ø 76



78
ARM 180 mm FOR POLE Ø 102



79
ARM 500 mm FOR POLE Ø 102



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Solid and compact aluminium structure, reduced dimensions, simple yet stylish design are the main strengths of Jackie, our best solution to highlight elements and details on both indoor and outdoor walls facades and columns.

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Jackie

IP54 CE

Description

Outdoor luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with expanded-silicone gasket and tempered transparent glass.

Versions available

Diffuser: tempered transparent glass (VT)

Light sources

35W/12V QRCBC51 GU5,3 dichroic lamp (remote transformer to be ordered separately)

35W PAR16 GZ10 dichroic lamp

1 led module 4W/230V (cool-white 5500 K, warm-white 3000 K)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions:

Length: \varnothing 70mm

Height: 82mm

Width: 95mm

Technical features

Protection Rating: IP54 • in compliance with EN 60598-1 standards

Class of insulation: *mains tension: I *low tension: III

Installation

Wiring through a rubber cable holder for $\varnothing < 10$ mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available



.1 white



.2 aluminium



.3 anthracite



.4 black



.9 rust-red

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Wall fitting



The fitting is equipped with 1 cable input

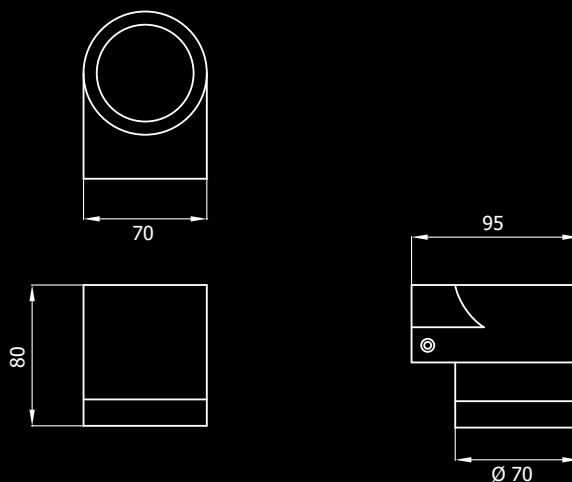


The feeding transformer (230V/12V) for low voltage must be installed on remote position.



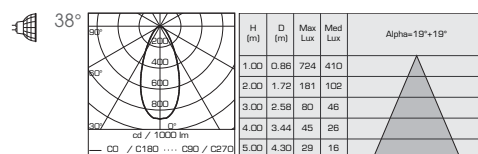
Protection against impact.

IK 08 - 5,00 joule

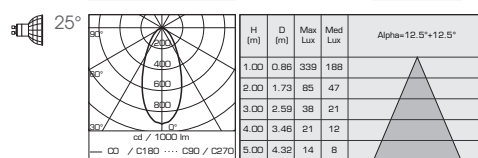




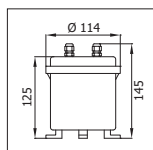
843300
QR CBC 51 35W/12V GU5.3
Remote transformer to be ordered



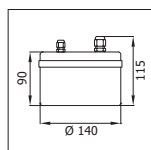
842800
PAR 16 35W/230V GZ10



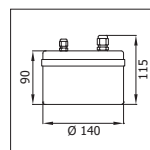
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



18
trasform. 300W
230V/12V 50Hz
IP 66



led **8412700**
1 COOL WHITE LED 1x4W 230V
< 80°C



8412800
1 WARM WHITE LED 1x4W 230V
< 80°C



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MODUL
ELECTR
www.modulelectr.ru

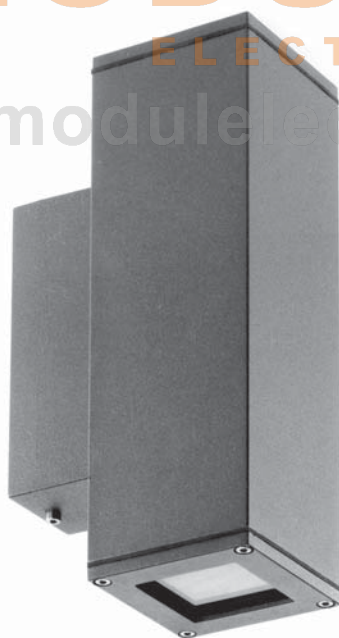


Luca is lighting fixtures for wall with a geometric, straight design. The versatility of this products is due to the possibility of choosing between an uni- or bi-emission version, very useful to light columns, porches and facades in different architectures and styles.

MODUL

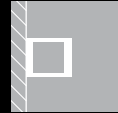
ELECTRO

www.modulelectro.ru



Description

Outdoor luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with silicone gasket and tempered transparent glass. Electrical components are housed into the body.



Wall fitting

Versions available

Diffuser: tempered transparent glass (VT)

Light emission: unidirectional: one emission

bidirectional: two opposite emissions



The fitting is equipped with 1 cable input

Light sources

Unidirectional version:

35W/12V QRCBC51 GU5,3 dichroic lamp

50W PAR16 GZ10 dichroic lamp

3 led module 3W/100-240V (cool-white 6000 K, warm-white 3000 K, and blue 475nm)

Bidirectional version:

2x50W/12V QRCBC51 GU5,3 dichroic lamp

2x35W PAR16 GZ10 dichroic lamp

2x3 led module 3W/100-240V (cool-white 6000 K, warm-white 3000 K, and blue 475nm)



Protection against impact.

IK 07 - 2,00 joule

Dimensions:

Length: 80mm

Height: 250mm

Width: 80mm + 45mm (fixing base)

Technical features

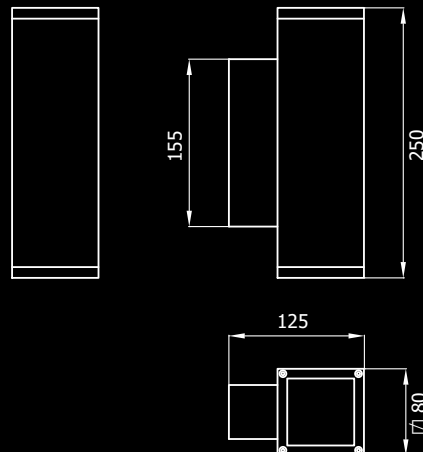
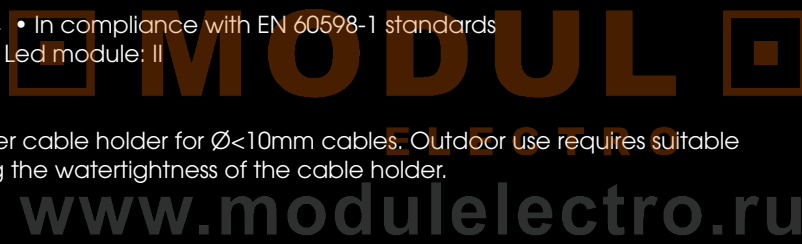
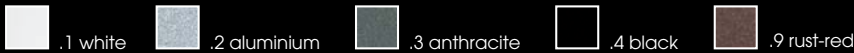
Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation: I • Led module: II

Installation

Wiring through a rubber cable holder for $\varnothing < 10\text{mm}$ cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available





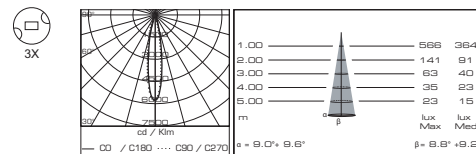
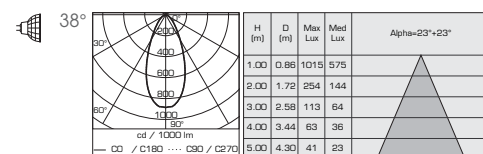
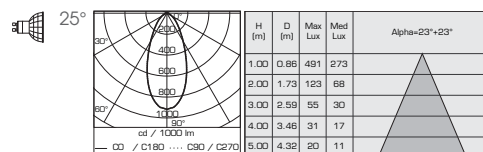
UNIDIRECTIONAL
702821
PAR 16 50W/230V GZ10

703321
QR CBC 51 35W/12V GU5,3
Electronic transformer

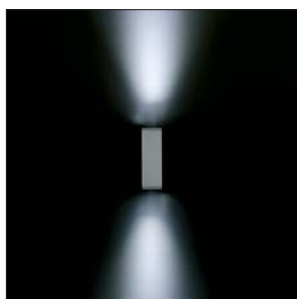
led 707321
3 COOL WHITE LED 3x1W
100-240V
Electronic power supply included
< 80°C

705621
3 WARM WHITE LED 3x1W
100-240V
Electronic power supply included
< 80°C

707521
3 BLUE LED 3x1W 100-240V
Electronic power supply included
< 80°C



MODULO ELECTRO



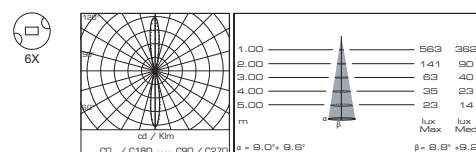
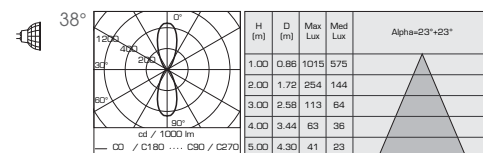
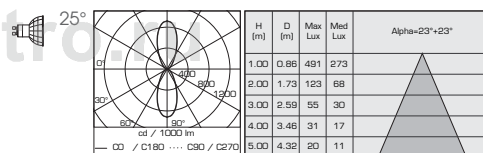
BIDIRECTIONAL
702842
PAR 16 2x50W/230V GZ10

703342
QR CBC 51 2x35W/12V GU5,3
Electronic transformer

led 707342
2x3 COOL WHITE LED 6x1W
100-240V
Electronic power supply included
< 80°C

705642
2x3 WARM WHITE LED 6x1W
100-240V
Electronic power supply included
< 80°C

707542
2x3 BLUE LED 6x1W/100-240V
Electronic power supply included
< 80°C





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Visca is a lighting fixtures for wall with a geometric design.

The versatility of this products is due to the powerful and effective light sources it is equipped with, together with the possibility of choosing between an uni- or bi-emission version, very useful to light columns, porches and facades in different architectures and styles.

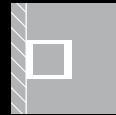
MODULO
ELECTRO
www.modulelectro.ru



Ares concept

Description

Outdoor luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (four colours available) with silicone gasket and tempered transparent glass. Electrical components are housed into the body.



Wall fitting

Versions available

Diffuser: tempered transparent glass (VT)

Light sources: single lamp
double lamp

Light emission: bidirectional: two opposite emission

Accessory on request: cap for unidirectional emission



The fitting is equipped with 1 cable input

Light sources

Single lamp:

35W or 70W HIT G12 metal halide lamp

Double lamp:

2x150W QT32 E27 halogen lamp

2x26W TC-D G24d-3 or 2x26W TC-DEL G24q-3 compact fluorescent lamp

2x35W or 2x70W HIT G12 metal halide lamp



Protection against impact.

IK 07 - 2,00 joule

Dimensions:

Single lamp version:

- Length: 150mm, Height: 300mm, Width: 150mm + 85mm (fixing base)

Double lamp version:

- Length: 150mm, Height: 500mm, Width: 150mm + 85mm (fixing base)

Technical features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation: I



ELECTRO

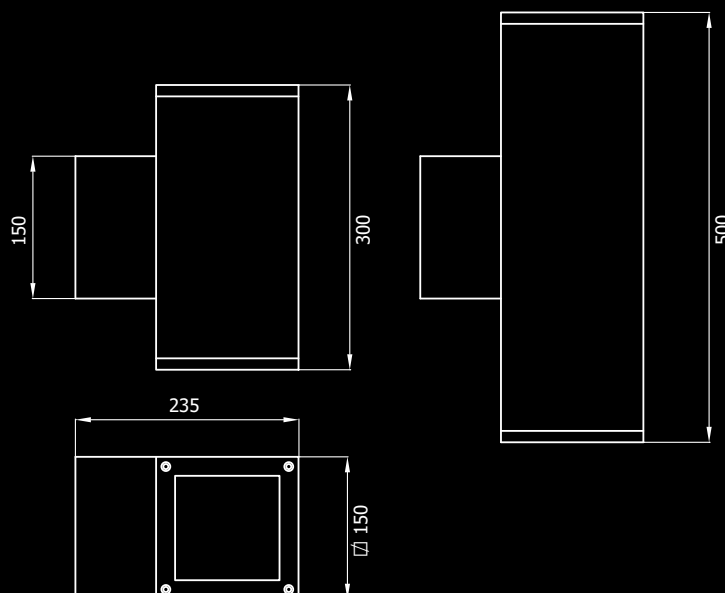
www.modulelectro.ru

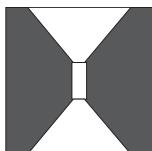
Installation

Wiring through a rubber cable gland M16 plastic cable for $\varnothing < 10\text{mm}$ cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available

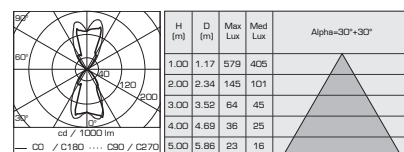
 .1 white  .2 aluminium  .3 anthracite  .4 black



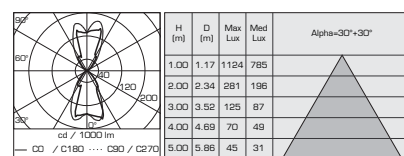


SINGLE-LAMP (L 300 MM)

733500
HIT 35W G12

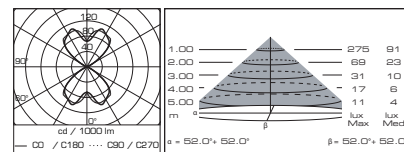


737100
HIT 70W G12

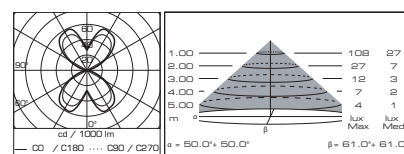


DOUBLE-LAMP (L 500 MM)

720200
QT 32 2x150W E27



721600
TC-D 2x26W G24 d-3

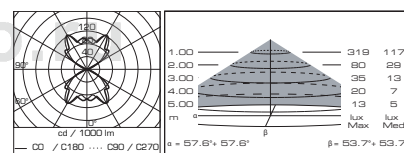


MODULO
ELECTRO

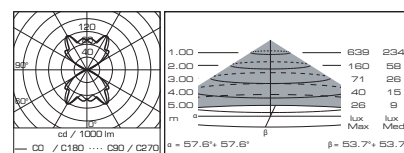
726200
TC-DEL 2x26W G24 q-3
Electronic ballast

www.moduloelectro.com

723600
HIT 2x35W G12



727200
HIT 2x70W G12



46
COVER FOR MONO-LIGHT



MODULO
ELECTRO
www.modulelectro.com

Marco led is a slightly rounded square luminaire for installation on indoor and outdoor walls. Its versatility is due to the possibility of choosing among different fascinating wallwashing configurations: one, two or four beams, each one available in broad or narrow version. Its clear simple style allows installation in most architectural styles.

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Description

Square decorative luminaire for outdoor installation on wall. Configuration: die-cast aluminium structure and tempered glass with silkscreen border. The diffuser is fixed to the aluminium structure through a robotic gluing system. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment.

Versions Available

Light emission:

- unidirectional: one window
 - one narrow beam with lens 10°
 - one wide beam without lens 60°
- bidirectional: two opposite windows
 - two narrow beams with lens 10°
 - two wide beams without lens 60°
 - combined beams: 10° + 60°
- unidirectional: four windows
 - four narrow beams with lens 10°
 - four wide beams without lens 60°



Wall fitting



The fitting is equipped with 2 cable input



Protection against impact.

IK 02 - 0,20 joule

Light sources

1W/100-240V 50-60Hz led module for each window
(cool-white 6000 K, warm-white 3000 K, and blue 475nm)*

* Integrated power supply

Dimensions

Square structure: 125x125mm

Width: 50mm

Technical features



Protection rating: IP65 in compliance with EN 60598-1

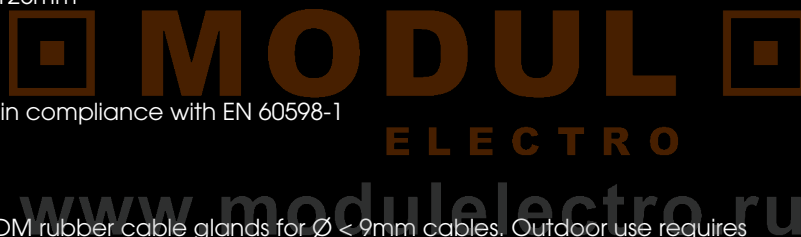
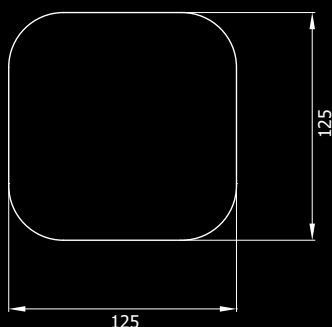
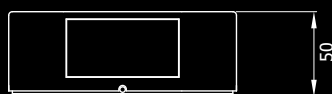
Class of insulation: II

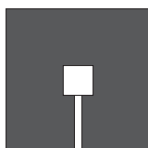
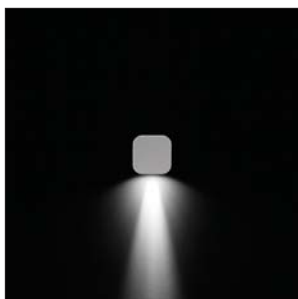
Installation

Wiring through two EPDM rubber cable glands for $\varnothing < 9\text{mm}$ cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland (we recommend neoprene cables H05 RN-F). Installation on wall requires the dedicated fixing base supplied with the luminaire.

Colours Available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red





1 NARROW BEAM

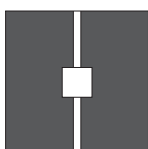
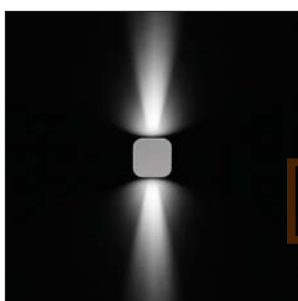
10711543
1 COOL WHITE LED 1x1W/100-240V
Electronic power supply included
< 80°C



10711643
1 WARM WHITE LED 1x1W/100-240V
Electronic power supply included
< 80°C



10711743
1 BLUE LED 1x1W/100-240V
Electronic power supply included
< 80°C



2 NARROW BEAMS

10711844
2 COOL WHITE LED 2x1W/100-240V
Electronic power supply included
< 80°C



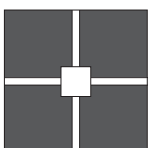
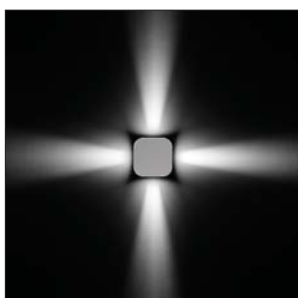
10711944
2 WARM WHITE LED 2x1W/100-240V
Electronic power supply included
< 80°C



10712044
2 BLUE LED 2x1W/100-240V
Electronic power supply included
< 80°C



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4 NARROW BEAMS

1079145
4 COOL WHITE LED 4x1W/100-240V
Electronic power supply included
< 80°C

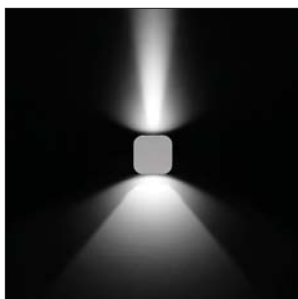


1079245
4 WARM WHITE LED 4x1W/100-240V
Electronic power supply included
< 80°C





1079345
4 BLUE LED 4x1W/100-240V
Electronic power supply included
< 80°C




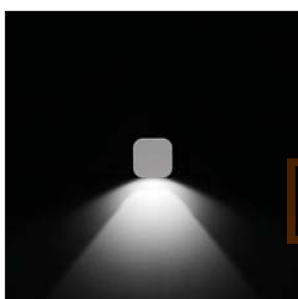


1 NARROW BEAM + 1 WIDE BEAM

10712153
2 COOL WHITE LED 2x1W/100-240V 
Electronic power supply included
< 80°C

10712253
2 WARM WHITE LED 2x1W/100-240V 
Electronic power supply included
< 80°C

10712353
2 BLUE LED 2x1W/100-240V 
Electronic power supply included
< 80°C

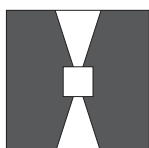
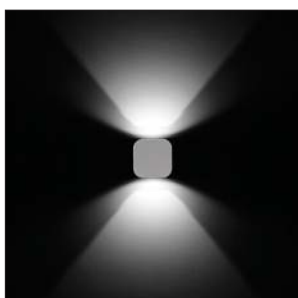


1 WIDE BEAM


10711550
1 COOL WHITE LED 1x1W/100-240V 
Electronic power supply included
< 80°C


10711650
1 WARM WHITE LED 1x1W/100-240V 
Electronic power supply included
< 80°C


10711750
1 BLUE LED 1x1W/100-240V 
Electronic power supply included
< 80°C



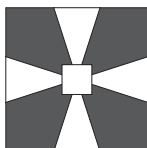
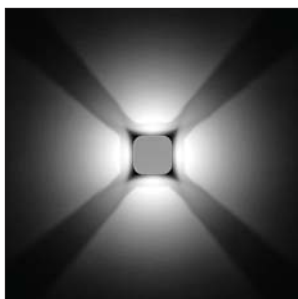
2 WIDE BEAMS

10711851
2 COOL WHITE LED 2x1W/100-240V 
Electronic power supply included
< 80°C

10711951
2 WARM WHITE LED 2x1W/100-240V 
Electronic power supply included
< 80°C


10712051
2 BLUE LED 2x1W/100-240V 
Electronic power supply included
< 80°C


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E L E C T R O
www.modulelectro.ru



4 WIDE BEAMS

1079152
4 COOL WHITE LED 4x1W/100-240V 
Electronic power supply included
< 80°C

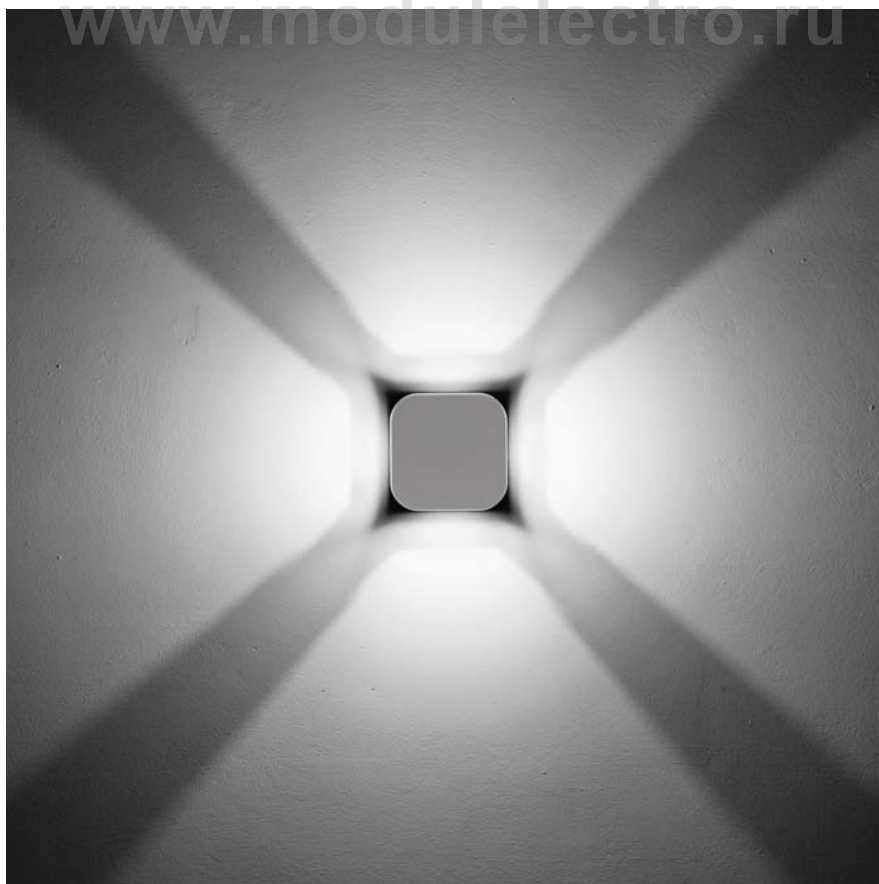
1079252
4 WARM WHITE LED 4x1W/100-240V 
Electronic power supply included
< 80°C

1079352
4 BLUE LED 4x1W/100-240V 
Electronic power supply included
< 80°C

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A photograph of a modern hallway with stone walls and recessed lighting. The hallway is illuminated by two recessed lights on the ceiling, creating a warm glow. The walls are made of large, rectangular stone tiles with a natural, veined pattern. The floor is also made of stone tiles. The hallway is flanked by dark, possibly black, walls on the left and right sides. The overall atmosphere is clean, minimalist, and sophisticated.

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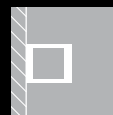
Zelda is our solution to the need of minimising the visual impact of lighting fixtures on walls without reducing the emission of light. The high versatility of Zelda is due to the wide range of light sources available and to the combined use of glasses and lenses enriched by four-colour dichroic filters.

MODULO
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www.modulelectro.ru



Description

Outdoor versatile luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with silicone gasket and tempered transparent glass or convex lens. Electrical components are housed into the body.



Wall fitting

Versions available

Diffuser: tempered transparent glass (VT) and convex lens

Light emission:

All light – transparent glass:

- unidirectional: one window
 - bidirectional: two opposite windows

10° beam – convex lens:

- unidirectional: one window
 - bidirectional: two opposite windows

40° beam – transparent glass:

- unidirectional: one window
 - bidirectional: two opposite windows

Combined emission:

- 10° + 40°: opposite emissions
- 10° + transparent glass: opposite emissions

Accessory on request: dichroic colour filters to replace the 8° lens



The fitting is equipped with 1 cable input



Protection against impact.

IK 07 - 2,00 joule

Light sources

75W QT14 G9 halogen lamp

100W QT-DE R7s (75mm) halogen lamp

13W TC-D G24d-1 or 13W TC-DEL G24q-1 compact fluorescent lamp

6 led module 6W (cool-white 5500 K, warm-white 3000 K, and blue 475nm) (transformer integrated into the module)

Dimensions:

Length: 160 - Height: 80mm - Width: 100mm

Technical features

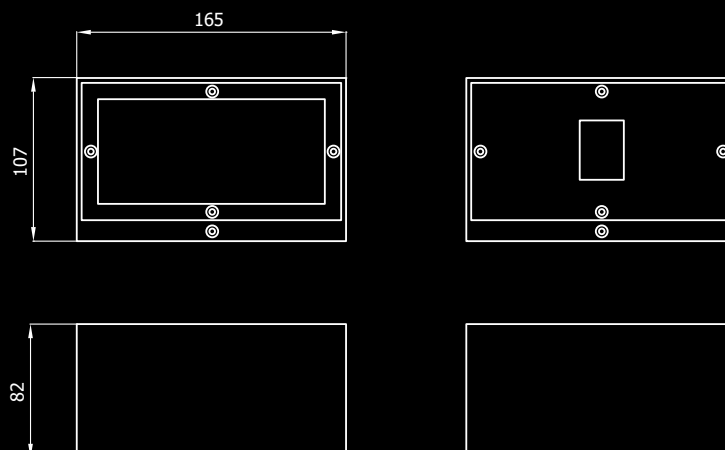
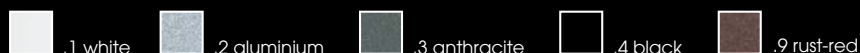
Protection Rating: IP54 • In compliance with EN 60598-1

Class of insulation: I • Led module: II

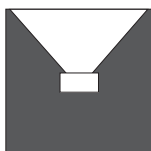
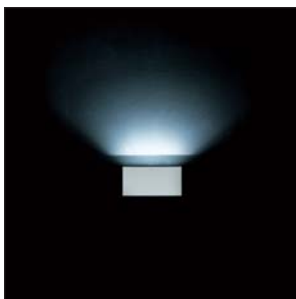
Installation

Wiring through a rubber cable holder for $\varnothing < 10$ mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder

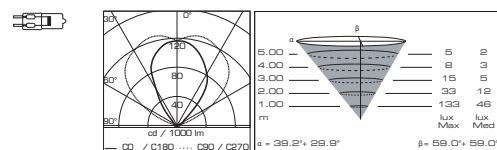
Colours Available



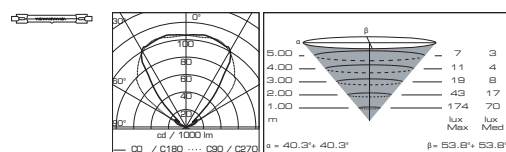
UNIDIRECTIONAL



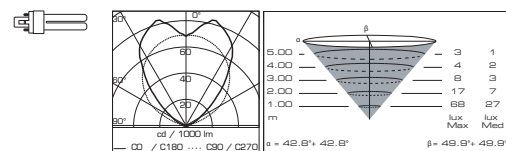
712721
QT 14 75W/230V G9



711821
QT-DE 12 100W R7s (75mm)

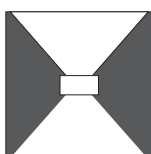


710521
TC-D 13W G24 d-1

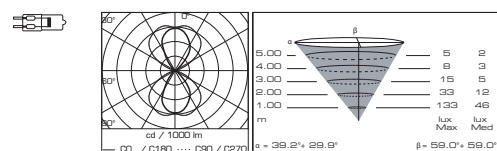


715721
TC-DEL 13W G24 q-1
Electronic ballast

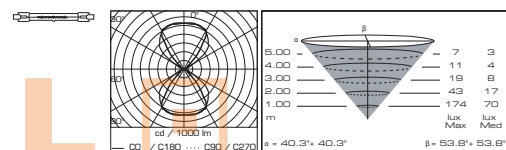
BIDIRECTIONAL



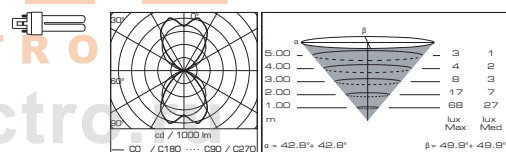
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QT 14 75W/230V G9



711822
QT-DE 12 100W R7s (75mm)



710522
TC-D 13W G24 d-1

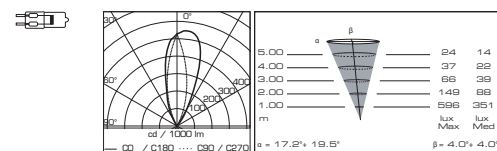


715722
TC-DEL 13W G24 q-1
Electronic ballast

LENS 10°



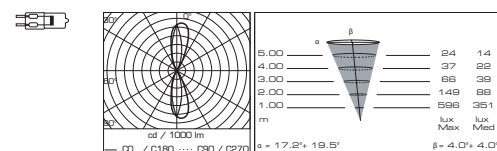
712743
QT 14 75W/230V G9



2 LENSES 10°

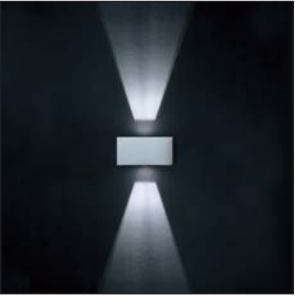
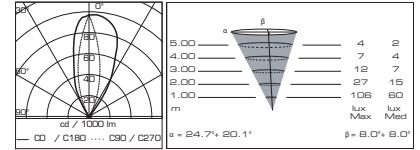


712744
QT 14 75W/230V G9

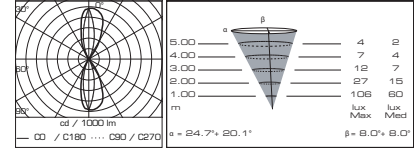




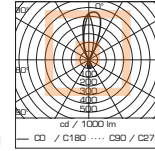
40° BEAM
712750
QT 14 75W/230V G9



2 BEAMS 40°
712751
QT 14 75W/230V G9



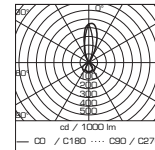
LENS 10° + BEAM 40°
712753
QT 14 75W/230V G9



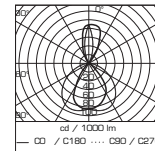
MODULE ELECTRO
www.modulelectro.ru

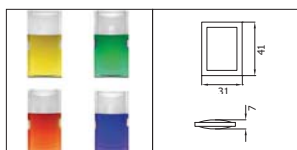


LENS 10° + GLASS
712754
QT 14 75W/230V G9



GLASS + BEAM 40°
712755
QT 14 75W/230V G9



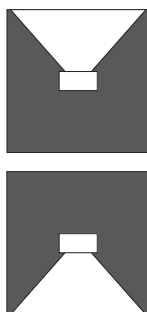


FOR CODE


712743
712744
712753
712754


DICHROIC FILTER


62.5	62.6	62.7	62.8
yellow	green	red	blue



led

7112421
6 COOL WHITE LED 6x1W/100-240V  6x
Electronic power supply included
< 80°C

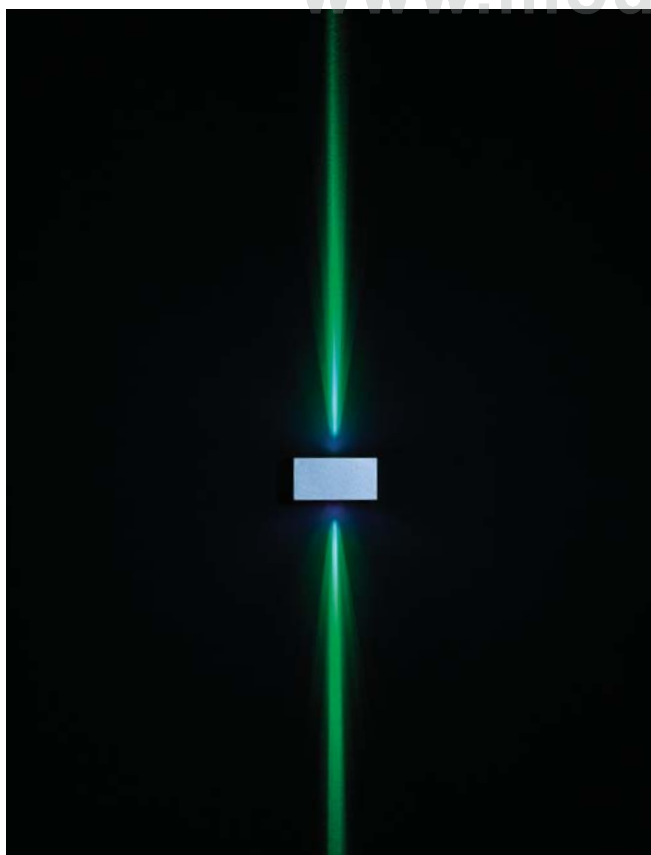
7112521
6 WARM WHITE LED 6x1W/100-240V  6x
Electronic power supply included
< 80°C

7112621
6 BLUE LED 6x1W/100-240V  6x
Electronic power supply included
< 80°C

NARROW BEAM 10° ON REQUEST

MODULO
ELECTRO

www.modulelectro.ru





MODULE
ELECTRO
www.modulelectro.ru

Zara family has been created to meet the needs of designers and architects who want to highlight pathways by using minimal fittings. The symmetric output and the uniform luminous intensity of Zara guarantee high visual comfort. It is ideal for use in pathways, walkways and squares but, thanks to its compact size, it can also be placed on walls or ceilings.

MODULO

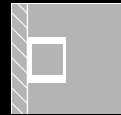
ELECTRO

www.moduloelectro.ru



Description

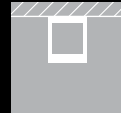
Rectangular light fitting for installation on wall, floor or ceiling. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered sandblasted glass, moulded silicone gasket and stainless steel screws. The base hosts the ballast and the cable clamp for the electrical connection.



Wall fitting

Versions available

Single emission structure: one diffuser
 Double emission structure: two opposite diffusers
 Diffuser:
 - sandblasted glass (VS)



Ceiling fitting

Light sources

18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp.
 60W QT32 E27 halogen lamp



Bollard light

Dimensions

Height: 260mm
 Rectangular Base: 85x95mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards
 Class of insulation: I



The fitting is equipped with 1 cable input

Installation

Wiring through a M16 plastic cable gland ($\varnothing < 10\text{mm}$ cables) placed on the back side of the fitting. Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

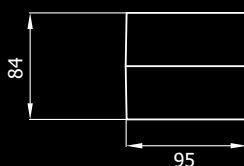
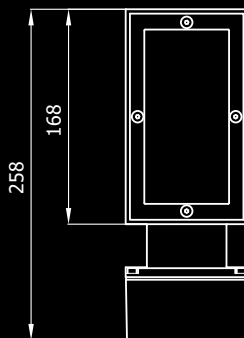
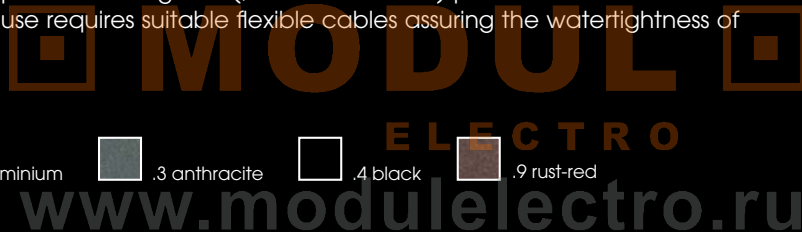


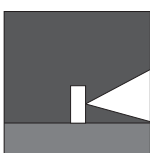
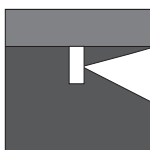
Protection against impact.

IK 07 - 2,00 joule

Colours Available

.1 white .2 aluminium .3 anthracite .4 black .9 rust-red



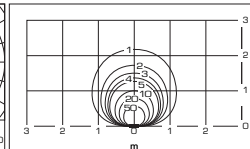
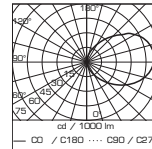
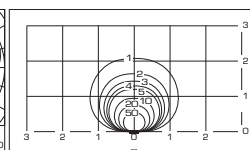
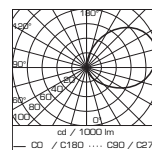


1 SANDBLASTED GLASS

680146
QT32 60W E27

680746
TC-D 18W G24d-2

685946
TC-DEL 18W G24q-2
Electronic ballast

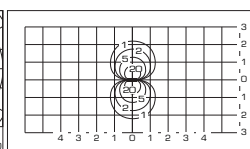
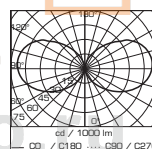
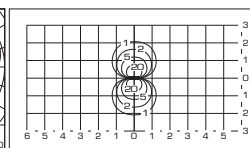
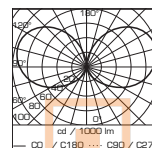


2 SANDBLASTED GLASS

680147
QT32 60W E27

680747
TC-D 18W G24d-2

685947
TC-DEL 18W G24q-2
Electronic ballast



MODUL ELECTRO
www.modulelectro





MODUL
ELECTRO

www.modulelectro.ru

20

Our wish for a fitting to light and highlight doorways has led to the creation of Clara. Born to be an overdoor light fitting, thanks to its minimal design and compact volume, it becomes an all-round application that easily fits every architectural setting.

MODULO
ELECTRO

www.modulelectro.ru



Clara Z1

IP65  

Description

Outdoor luminaire for installation overdoor or on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered silkscreen glass diffuser fixed to the structure by a silicone adhesive, silicone gasket and stainless steel screws. Electrical components are fixed to a stainless steel plate. To be full cut-off (Z1 - no light pollution) the luminaire must be installed with a downward emission.

Versions available

Single emission luminaire, equipped with a wide glass diffuser, it can be mounted in every position.

Diffuser:

- sandblasted glass with silkscreen border (VS)

Light sources

2X60W QT32 E27 halogen lamps (placed opposite)

24W TC-L 2G11 fluorescent lamp (electronic ballast)

Dimensions

Length: 460mm

Depth: 106mm

Height: 100mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through two M16 plastic cable glands ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colour available



.1 white



.2 aluminium



.3 anthracite



.4 black



.9 rust-red



Wall fitting



The fitting is equipped with 2 cable input



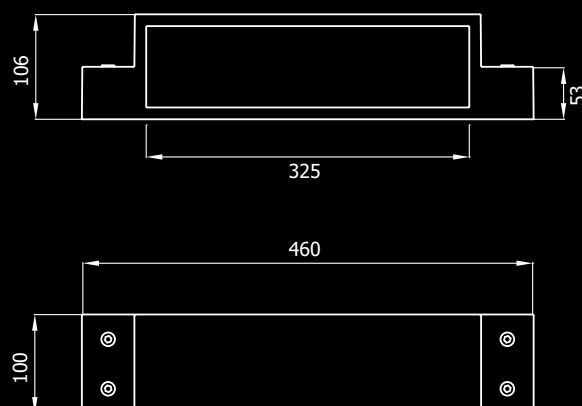
Protection against impact.

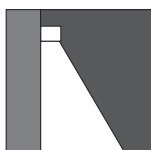
IK 07 - 2,00 joule



Full cut-off luminaire (only pollution)

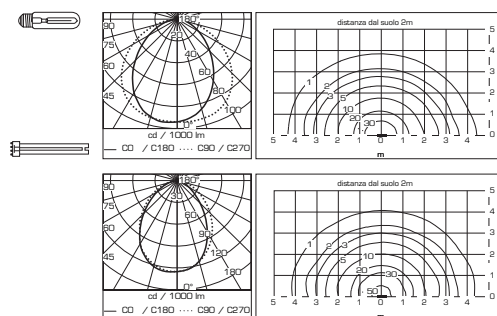
MODUL
ELECTRO
www.modul-electro.ru





980200
QT32 2x60W E27

981700
TC-L 24W 2G11
Electronic ballast





MODUL
ELECTRO
www.modulelectro.ru






Tommaso has been created by the founder of Ares to celebrate the joy for the birth of his second son (Tommaso). The essential design and the elegant light emission of this geometric fixture help designers create charming atmospheres highly pleasing to the eye. After two years of successful use, the constant developing trends in the lighting market led to the creation of another member in Tommaso family: Maxi Tommaso, a bigger, improved version of the already effective performances of Tommaso, very suitable for both indoor and outdoor settings.

 **MODUL** 
ELECTRO
www.modulelectro.ru





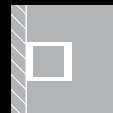
MODULE
ELECTRO
www.moduleelectro.ru



 **MODUL** 
ELECTRO
www.modulelectro.ru

Description

Outdoor versatile luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with silicone gasket and tempered sandblasted glass. Electrical components are housed into the body.



Wall fitting

Versions available

Diffuser: tempered sandblasted glass (VS)

Light emission: unidirectional: one window

bidirectional: two opposite windows



The fitting is equipped with 1 cable input

Light sources

200W QT-DE12 R7s halogen lamp

2x26W TC-D G24d-3 or 2x26W TC-DEL G24q-3 compact fluorescent lamp

70W HIT-DE Rx7s metal halide lamp

70W HST-DE Rx7s sodium vapour lamp



Protection against impact.

IK 08 - 5,00 joule

Dimensions:

Length: 300mm

Height: 110mm

Width: 100mm + 72mm (fixing base)

Technical features

Protection Rating: IP54 • in compliance with EN 60598-1 standards

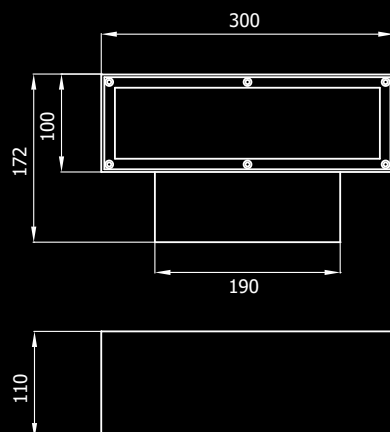
Class of insulation: I

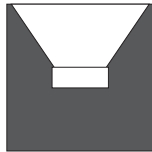
Installation

Wiring through a M16 plastic cable gland holder for $\varnothing < 10\text{mm}$ cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder

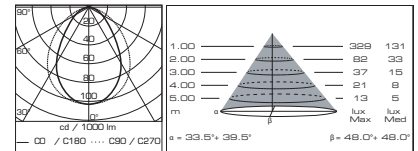
Colours Available

 .1 white  .2 aluminium  .3 anthracite  .4 black  .9 rust-red

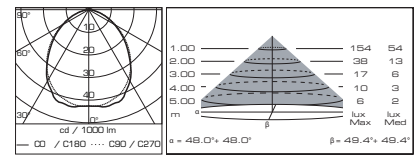




UNIDIRECTIONAL
691421
QT-DE 12 200W R7s

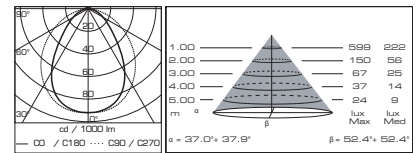


691621
TC-D 2x26W G24 d-3



696221
TC-DEL 2x26W G24 q-3
Electronic ballast

692921
HIT-DE 70W Rx7s

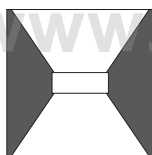
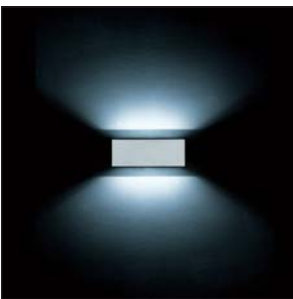


HST-DE 70W Rx7s

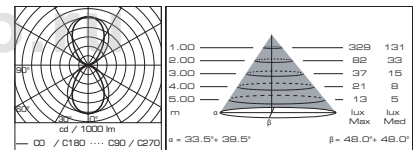


MODULO

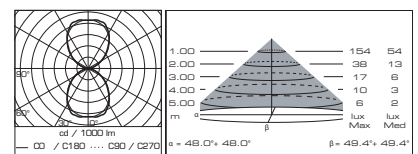
ELECTRO



BIDIRECTIONAL
691422
QT-DE 12 200W R7s

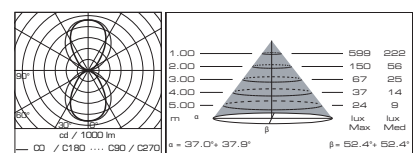


691622
TC-D 2x26W G24 d-3



696222
TC-DEL 2x26W G24 q-3
Electronic ballast

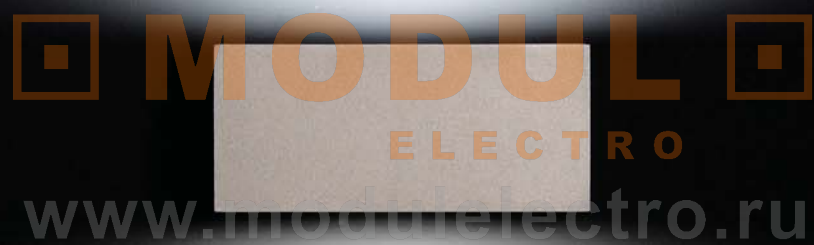
692922
HIT-DE 70W Rx7s



HST-DE 70W Rx7s



luminous source with yellow light (2000° K)





MODUL

ELECTRO

www.modulelectro.ru



MODULE
CENTRO
www.modulelectro.ru



MODULE
ELECTRO
www.modulelectro.ru

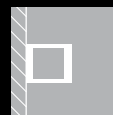


Maxi Tommaso

IP65   

Description

Outdoor versatile luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with silicone gasket and tempered sandblasted glass or convex lens. Electrical components are housed into the body.



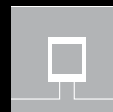
Wall fitting

Versions available

Diffuser: tempered sandblasted glass (VS) and convex lens

Light emission:

- All light – sandblasted glass:
- unidirectional: one window
 - bidirectional: two opposite windows
- Combined emission:
- 8° + sandblasted glass: opposite emissions



The fitting is equipped with 2 cable input



Protection against impact.

IK 08 - 5,00 joule

Light sources

Uni- and bidirectional versions :

- 2x42W TC-TEL Gx24q-4 compact fluorescent lamp
- 70W or 150W HIT-DE Rx7s metal halide lamp
- 70W or 150W HST-DE Rx7s sodium vapour lamp

Combined emission version:

- 70W or 150W HIT G12 metal halide lamp

Dimensions:

Length: 360mm

Height: 160mm

Width: 120mm + 70mm (fixing base)

Technical features

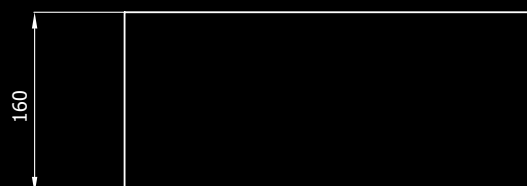
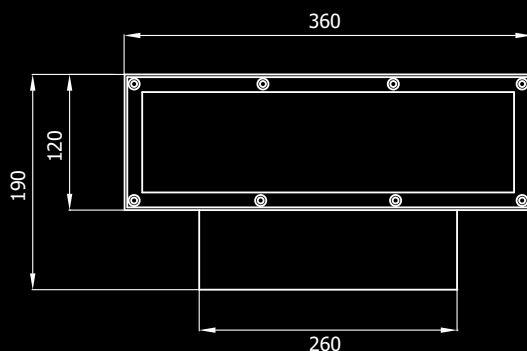
Protection Rating: IP65 • in compliance with EN 60598-1 standards

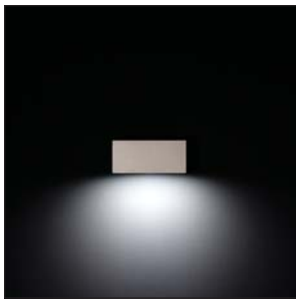
Class of insulation: I

Installation

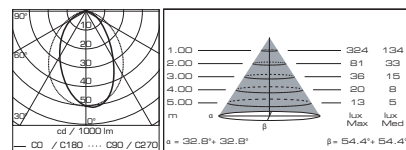
Wiring through two M16 cable glands for $\varnothing < 10$ mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable glands

Colours Available

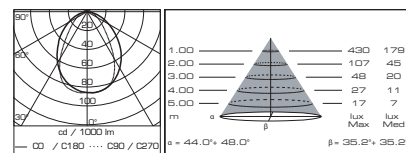




UNIDIRECTIONAL
882221
 TC-TEL 2x42W Gx24 q-4
 Electronic ballast



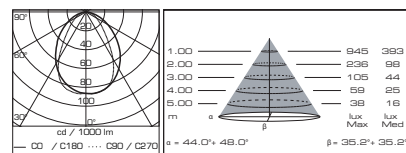
882921
 HIT-DE 70W Rx7s



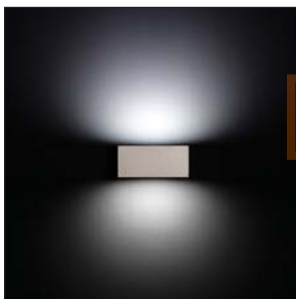
HST-DE 70W Rx7s



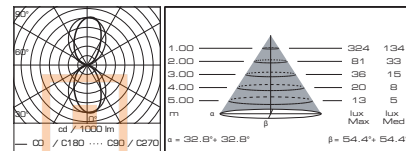
881921
 HIT-DE 150W Rx7s



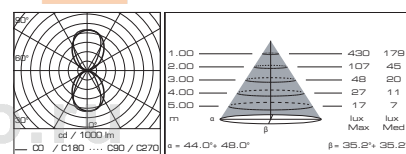
HST-DE 150W Rx7s



BIDIRECTIONAL
882222
 TC-TEL 2x42W Gx24 q-4
 Electronic ballast



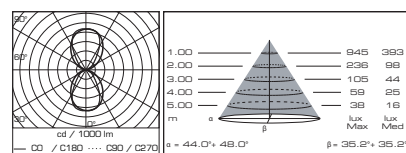
882922
 HIT-DE 70W Rx7s



HST-DE 70W Rx7s



881922
 HIT-DE 150W Rx7s

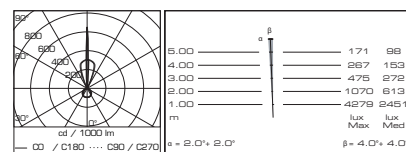


HST-DE 150W Rx7s

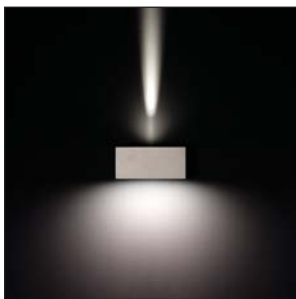
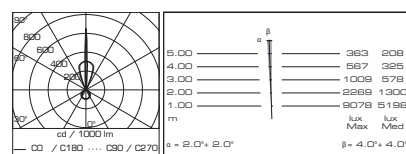


LENS 8°+ GLASS

887154
 HIT 70W G12



881554
 HIT 150W G12



● luminous source with yellow light (2000° K)

spa pensiero

MODULO

ELECTRO

www.modulelectro.ru

one
active

With a linear, minimal style Renato is a versatile luminaire suitable for indoor and outdoor use . Available in three different dimensions it perfectly matches all projects where up/down lighting is needed, what is more, the possibility of choosing among different light helps designers customise the highlighting of details and settings.

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ELECTRO
www.modulelectro.ru



Renato

IP65  

Description

Outdoor luminaire for installation on ceiling or wall. Configuration: extruded aluminium structure with die-cast aluminium closing ends, tempered transparent glass with silkscreen border. The diffuser is fixed to the aluminium structure through a robotic gluing system. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment. Electrical components are installed on a removable frame accessible by unscrewing the aluminium closing ends.

Versions Available

Beam:

Symmetric emission

Dimensions:

length: 655mm, 955mm, 1255mm

Installation:

- on wall or on ceiling through the dedicated fixing plate supplied with the luminaire
- for vertical installation on wall it is important to fix screws carefully.
- on brackets (200mm from the installation surface) allowing rotation around the vertical axis

Light sources

655mm version:

T16 14W G5 compact fluorescent lamp

955mm version:

T16 21W G5 compact fluorescent lamp

1255mm version:

T16 28W G5 compact fluorescent lamp

Dimensions

Rectangular section (including clamps): 65x75mm

length: 655mm, 955mm, 1255mm

distance from mounting surface: 20mm with holds, 200mm with brackets

Technical features

Protection rating: IP65 • In compliance with EN 60598-1

Class of insulation: I

Installation

Wiring through a EPDM rubber cable glands (for $\varnothing < 9\text{mm}$ cables) placed on one of the two closing ends and it is equipped with a piece of cable

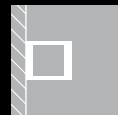
Colours Available



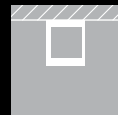
.2 alluminio



.3 antracite



Wall fitting



Ceiling fitting



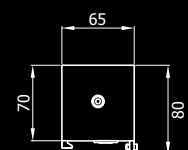
The fitting is equipped with 2 cable input



Protection against impact:

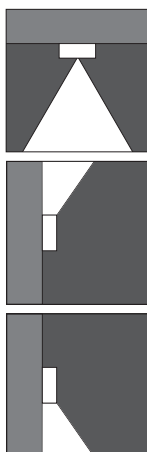
IK 07 - 2,00 joule

MODULO
ELECTRO
www.modulelectro.ru



L.655 mm

1094213
T16 14W G5
Electronic ballast



L.955 mm

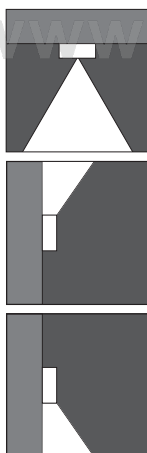
1094313
T16 21W G5
Electronic ballast



MODULO
ELECTRO

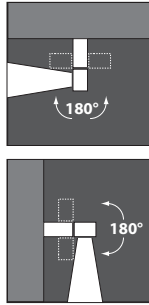
L.1255 mm

1094813
T16 28W G5
Electronic ballast



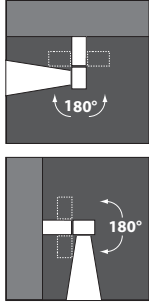
www.modulselectro.ru





L.655 mm ON BRACKETS

1094200
T16 14W G5
Electronic ballast

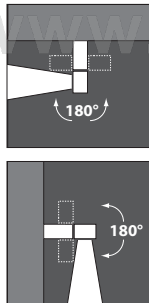


L.955 mm ON BRACKETS

1094300
T16 21W G5
Electronic ballast



MODULO
ELECTRO



L.1255 mm ON BRACKETS

1094800
T16 28W G5
Electronic ballast



www.modul-electro.ru





 **MODUL** 
ELECTRO

www.modulelectro.ru

Description

Outdoor luminaire for installation on ceiling or wall. Configuration: extruded aluminium structure with die-cast aluminium closing ends, tempered transparent glass with silkscreen border. The diffuser is fixed to the aluminium structure through a robotic gluing system. All aluminium elements are coated with polyester powder after chromium-phosphate conversion coating pre-treatment. Electrical components are installed on a removable frame accessible by unscrewing the aluminium closing ends.

Versions Available

Light emission:

wide beam 40°

Dimensions:

length: 655mm, 955mm, 1255mm

Installation:

- on wall or on ceiling through the dedicated fixing plate supplied with the luminaire
- for vertical installation on wall it is important to fix screws tight.
- on brackets (200mm from the surface) allowing rotation around the vertical axis

Light sources

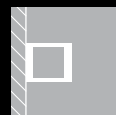
655mm version: 12x1W/100-240V led module*

955mm version: 18x1W/100-240V led module*

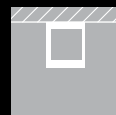
1255mm version: 24x1W/100-240V led module*

cool-white 6000 K, warm-white 3000 K, and blue 475nm

* integrated power supply



Wall fitting



ceiling fitting



The fitting is equipped with 2 cable input



Protection against impact.

IK 07 - 2,00 joule

Dimensions

rectangular section (including clamps): 65x75mm

length: 655mm, 955mm, 1255mm

distance from mounting surface: 20mm with holds, 200mm with brackets

Technical features

Protection rating: IP65 in compliance with EN 60598-1

Class of insulation: I

Installation

Wiring through a EPDM rubber cable glands (for $\varnothing < 9$ mm cables) placed one of the two closing ends and it is equipped with a piece of cable

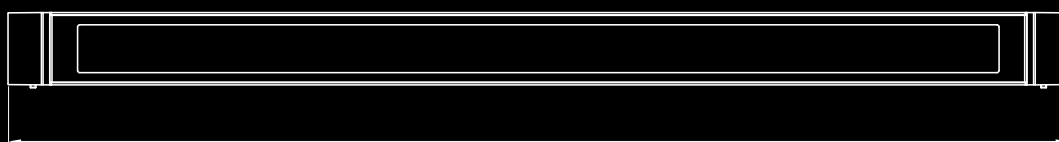
Colours Available



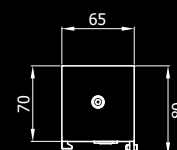
.2 aluminium

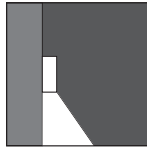
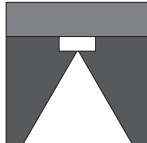


.3 anthracite



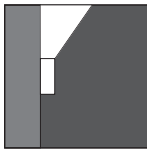
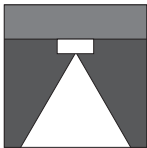
655mm 12LED / 955mm 18LED / 1255mm 24LED





L.655 mm

1098213
12 COOL WHITE LED 12x1W/100-240V
Electronic power supply included
< 80°C



1098313
12 WARM WHITE LED 12x1W/100-240V
Electronic power supply included
< 80°C

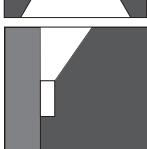


1098413
12 BLUE LED 12x1W/100-240V
Electronic power supply included
< 80°C



L.955 mm

10913513
18 COOL WHITE LED 18x1W/100-240V
Electronic power supply included
< 80°C



10913613
18 WARM WHITE LED 18x1W/100-240V
Electronic power supply included
< 80°C

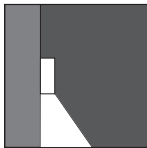
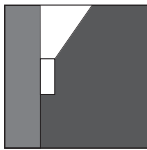


10913713
18 BLUE LED 18x1W/100-240V
Electronic power supply included
< 80°C



L.1255 mm

1097913
24 COOL WHITE LED 24x1W/100-240V
Electronic power supply included
< 80°C



1098013
24 WARM WHITE LED 24x1W/100-240V
Electronic power supply included
< 80°C

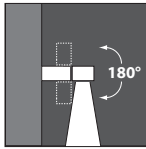
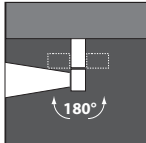


1098113
24 BLUE LED 24x1W/100-240V
Electronic power supply included
< 80°C








NARROW BEAM 10° ON REQUEST




L.655 mm ON BRACKETS


10982100
12 COOL WHITE LED 12x1W/100-240V 
Electronic power supply included
< 80°C

10983100
12 WARM WHITE LED 12x1W/100-240V 
Electronic power supply included
< 80°C

10984100
12 BLUE LED 12x1W/100-240V 
Electronic power supply included
< 80°C

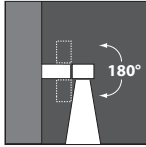
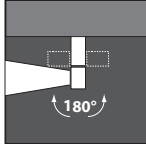
L.955 mm ON BRACKETS

109135100
18 COOL WHITE LED 18x1W/100-240V 
Electronic power supply included
< 80°C

109136100
18 WARM WHITE LED 18x1W/100-240V 
Electronic power supply included
< 80°C




NARROW BEAM 10° ON REQUEST




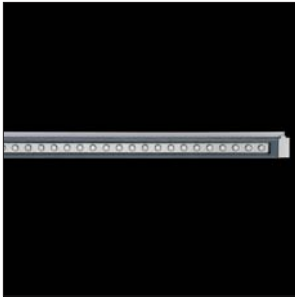
109137100
18 BLUE LED 18x1W/100-240V 
Electronic power supply included
< 80°C

L.1255 mm ON BRACKETS

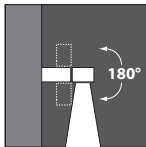
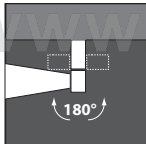
10979100
24 COOL WHITE LED 24x1W/100-240V 
Electronic power supply included
< 80°C

10980100
24 WARM WHITE LED 24x1W/100-240V 
Electronic power supply included
< 80°C

10981100
24 BLUE LED 24x1W/100-240V 
Electronic power supply included
< 80°C



NARROW BEAM 10° ON REQUEST



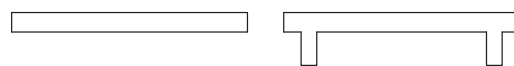


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ELECTRO

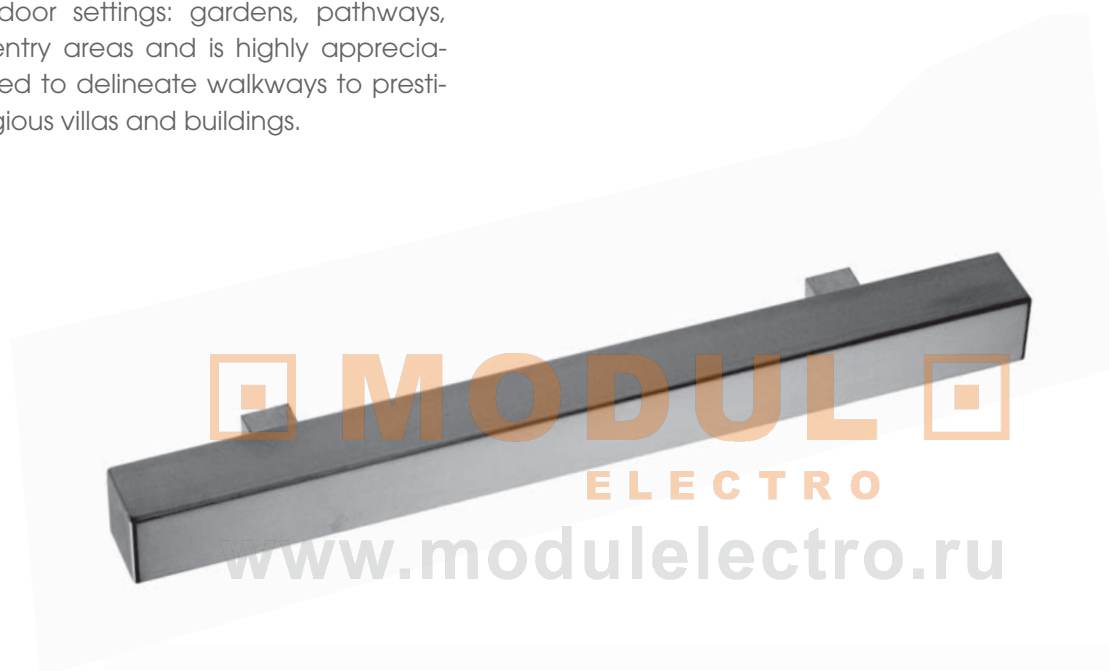
www.modulelectro.ru



MODUL
ELECTRO
www.modul-electro.ru



Steel Line, available for both wall and ground installation, has a modern, linear design, enriched by a bright stainless steel structure. Steel Line perfectly matches with most outdoor settings: gardens, pathways, entry areas and is highly appreciated to delineate walkways to prestigious villas and buildings.

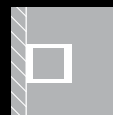


Steel Line

IP65   

Description

Outdoor luminaire for installation on wall. Configuration: welded brushed stainless steel (AISI 316L) structure. The electrical components (light source and electronic ballast) are housed into a lasting transparent IP65 polycarbonate case, sheltered by an easily removable stainless steel covering. Light emission towards the mounting surface.



Wall fitting

Versions Available

Diffuser:

- transparent polycarbonate diffuser

Light emission:

- indirect lighting: light is directed towards the mounting surface



The fitting is equipped with 2 cable input

Light sources

14W or 21W T16 G5 linear fluorescent lamp (electronic ballast)



Protection against impact.

IK 08 - 5,00 joule

Dimensions:

Length: 678mm or 978mm

Height: 60mm

Width: 56mm + 40mm (fixing supports)

Technical features

Protection Rating: IP65 in compliance with EN 60598-1 standards

Class of insulation: I

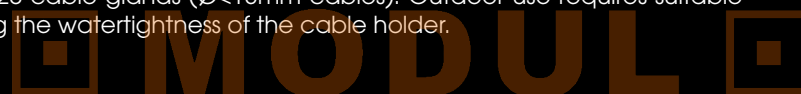
Installation

Wiring through two M20 cable glands ($\varnothing < 13$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available

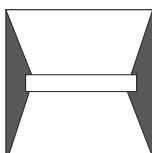


.0 inox

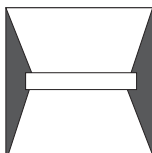
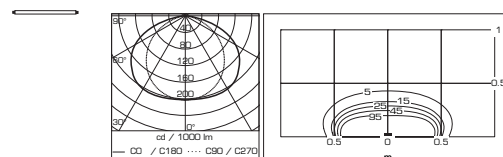

ELECTRO
www.modulelectro.ru



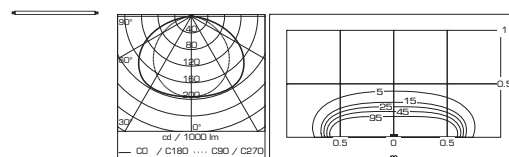
STEEL LINE



LENGHT 678 mm
804200
T16 14W G5
Electronic ballast



LENGHT 978 mm
804300
T16 21W G5
Electronic ballast



MODUL
ELECTRO
www.modulelectro.ru



Steel Line Floor

IP65   

Description

Outdoor luminaire for installation on ground. Configuration: welded brushed stainless steel (AISI 316L) structure. The electrical components (light source and electronic ballast) are housed into a lasting transparent IP65 polycarbonate case, sheltered by an easily removable stainless steel covering. Light emission towards the mounting surface.



Floor installation

Versions Available

Diffuser:

- transparent polycarbonate diffuser

Light emission:

- indirect lighting: light is directed towards the mounting surface



The fitting is equipped with 2 cable input

Light sources

14W or 21W T16 G5 linear fluorescent lamp (electronic ballast)



Protection against impact.

IK 08 - 5,00 joule

Dimensions:

Length: 678mm or 978mm

Height: 60mm

Width: 55mm + 95mm (fixing supports)

Technical features

Protection Rating: IP65 in compliance with EN 60598-1 standards

Class of insulation: I

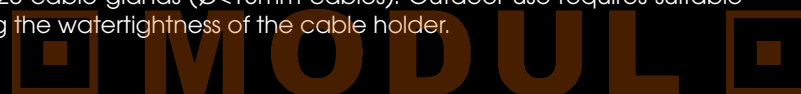
Installation

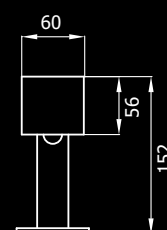
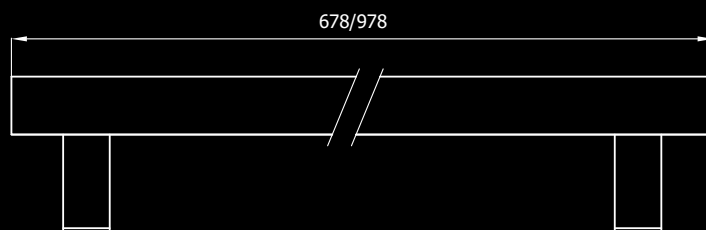
Wiring through two M20 cable glands ($\varnothing < 13\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available

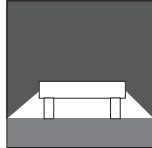


.0 inox

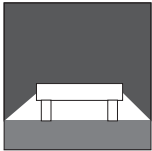
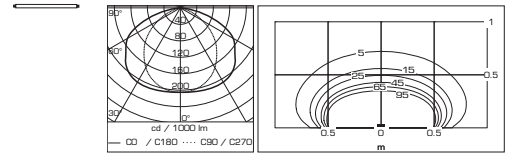

ELECTRO
www.modulelectro.ru



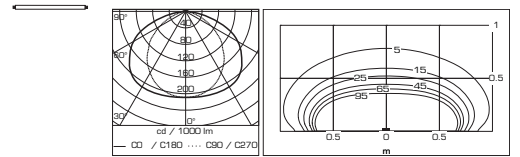
STEEL LINE FLOOR



LENGHT 678 mm
804262
T16 14W G5
Electronic ballast



LENGHT 978 mm
804362
T16 21W G5
Electronic ballast



MODUL
ELECTRO
www.modulelectro.ru





MODULO
ELETTRICI
www.moduloelettrici.it

Melrie is our solution to the need of minimising the visual impact of lighting fixtures on walls without reducing the emission of light. The high versatility is due to the wide range of light sources available and to the possibility to use mono and double light emission so to satisfy any needs.

MODULO
ELECTRO
www.modulelectro.ru



Description

Round luminaire for outdoor surface installation on wall.

Configuration: polycarbonate structure with phospho-chromatised and polyester powder coated die-cast aluminium covering (five colours available), expanded silicone gasket and stainless steel screws. A dedicated treatment on the diffuser ensures an even and optimal light emission from the whole surface: suitable for night lighting of residential areas.

Versions Available

Emission: unidirectional or bidirectional

Diffuser: highly performing transparent polycarbonate

Light Source

40W E14 halogen or incandescent lamp

13W TC-D G24d-1 or 13W TC-DEL G24q-1 compact fluorescent lamp

1 or 2 per 6W T2 Gx53-1 Micro-lynx compact fluorescent lamp

Dimensions

Height: 100mm

Length: 200mm

Width: 110mm

Technical Features

Protection Rating: IP65 in compliance with EN 60598-1 standards

Class of insulation: II

Installation

Wiring through two rubber cable holders for $0 < 10$ mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of cable holders. Installation is allowed through two dedicated holes (184mm pitch) not affecting the sealed unit.

Colours Available



Wall fitting

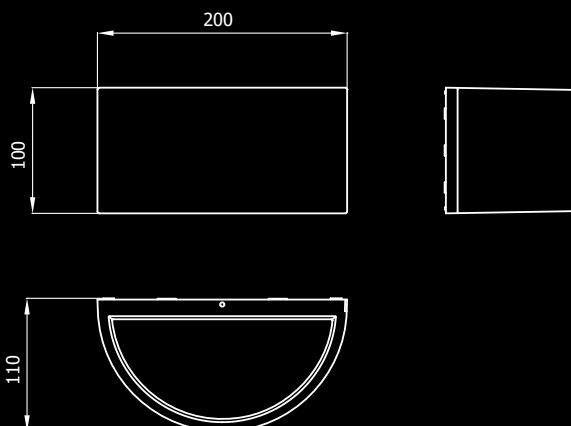
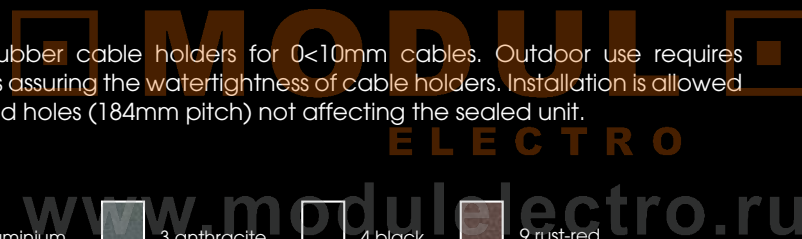


The fitting is equipped with 2 cable input



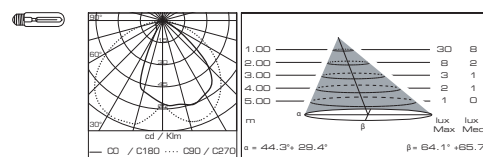
Protection against impact.

IK 09 - 10,00 joule

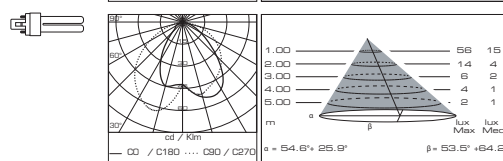




481121
QT26 40W E14

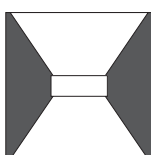
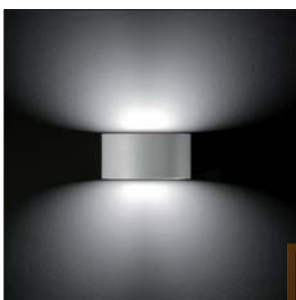
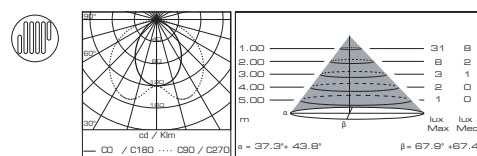


480521
TC-D 13W G24d-1

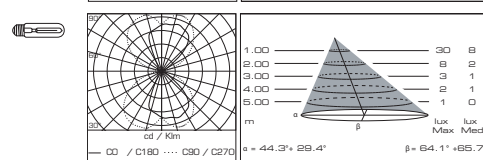


485721
TC-DEL 13W G24q-1
Electronic ballast

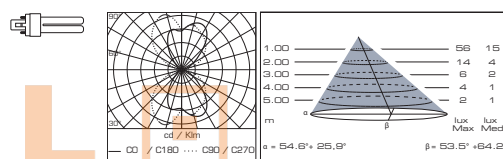
481021
T2 6W/230V Gx53-1



481122
QT26 40W E14

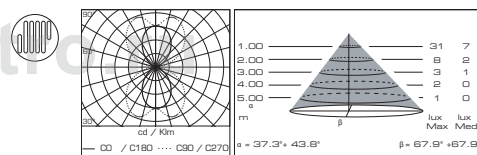


480522
TC-D 13W G24d-1



485722
TC-DEL 13W G24q-1
Electronic ballast

483922
T2 2x6W/230V Gx53-1



MODULO
ELECTRO
www.moduloelectro.com





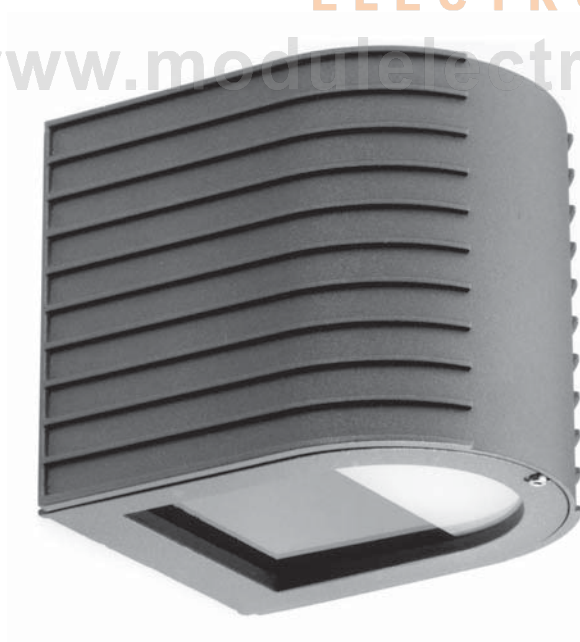
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ELECTRO

www.modulelectro.ru

Otella is a light fixture for walls. The solid aluminium structure, together with the different configurations available to customise light emission (downlight glass, lens and glass, double lens) make it suitable to light facades, columns and entries. The added feature of a biconvex lens offers a narrow defined beam, ideal to highlight and focus on specific architectural elements.

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Description

Outdoor luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) with silicone gasket and tempered transparent glass or convex lens. Wiring unit housed into a special fixing base.



Wall fitting

Versions available

Diffuser: tempered transparent glass (VT) and convex lens

Light emission:

unidirectional (only downward): one window

- transparent glass

bidirectional: two opposite windows

- two 12° lenses

- 12° lens + transparent glass (only downward)



The fitting is equipped with 1 cable input



Protection against impact.

IK 07 - 2,00 joule

Light sources

150W QT32 E27 halogen lamp

150W QT-DE12 R7s halogen lamp

35W HIT G12 metal halide lamp (ballast housed into the special fixing base)

Dimensions:

Length: 150mm

Height: 160mm

Width: 180mm (+70mm in the version with special fixing base)

Technical features

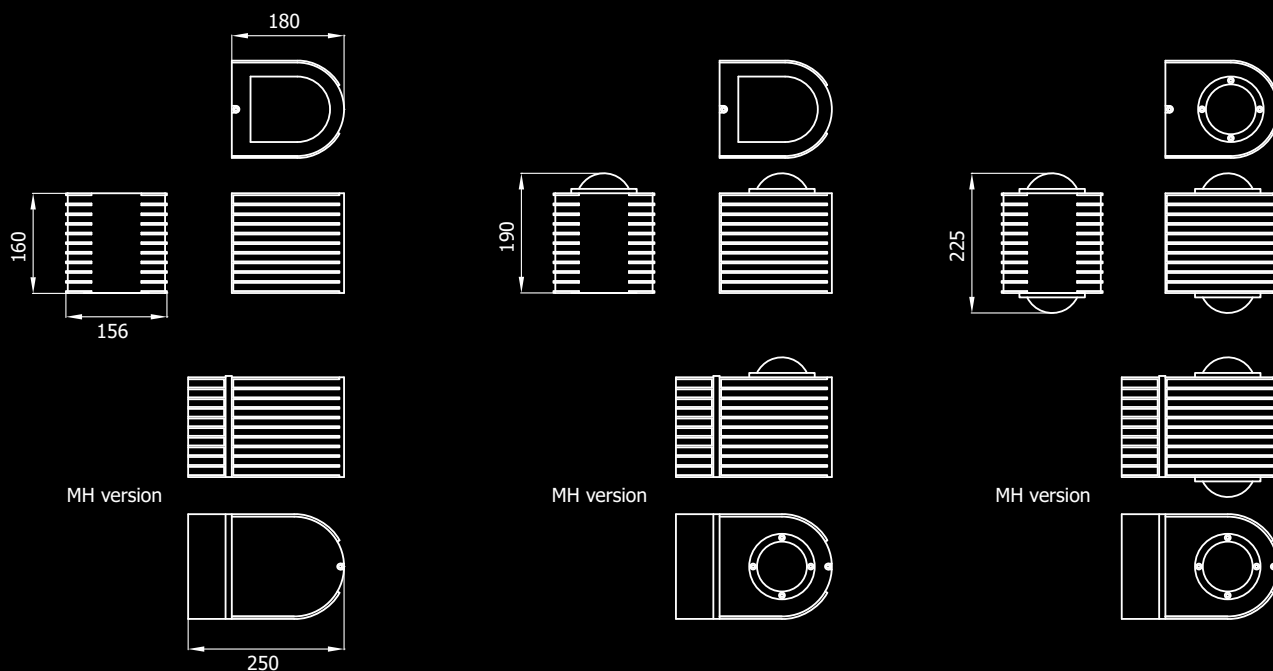
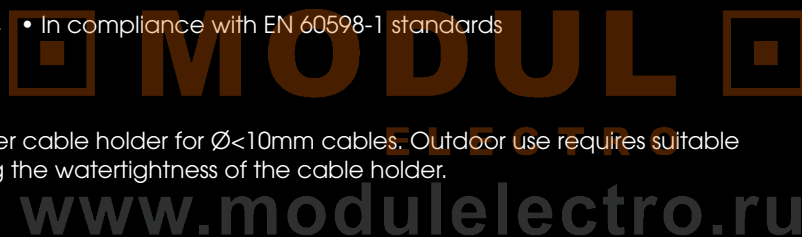
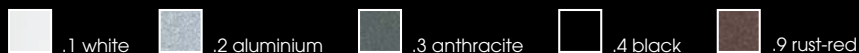
Protection Rating: IP44 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through a rubber cable holder for $\varnothing < 10\text{mm}$ cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available





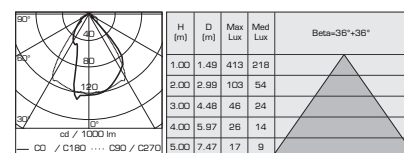
UNIDIRECTIONAL
210121
QT 32 150W E27



211821
QT-DE 12 150W R7s



213521
HIT 35W G12



MODULO ELECTRO



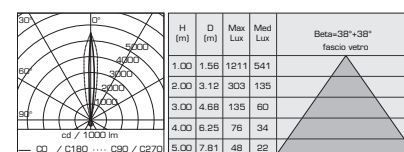
BIDIRECTIONAL
210122
QT 32 150W E27



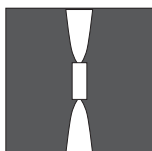
211822
QT-DE 12 150W R7s



213522
HIT 35W G12



OELLA

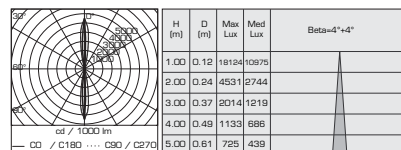


BIDIRECTIONAL 2 LENS

211844
QT-DE 12 150W R7s



213544
HIT 35W G12



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ELECTRO
www.modulelectro.ru



www.vestro.ru

Memi is a light fixture for wall, designed for either up and downlighting. Its soft, rounded design allows installation on both modern and classic settings, indoor as well as outdoor and during the day, when the light is off, it becomes a pure decorative element.



Memi

IP65 CE

Description

Outdoor luminaire for installation on wall or on dedicated post. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered sandblasted glass, and silicone gasket.

Versions available

Diffuser: sandblasted glass (VS)

Light emission: upward or downward emission

Light sources

100W QT-DE12 R7s halogen lamp

2x18W TC-D G24d-2 or 2x18W TC-DEL G24q-2 compact fluorescent lamp

2x26W TC-D G24d-3 compact fluorescent lamp

70W HIT-DE Rx7s metal halide lamp (electronic ballast)

Dimensions

Luminaire: length: 300mm, height: 150mm, width: 200mm

Post: length: 300mm, height: 500mm or 1000mm, width: 80mm

Base: 370x150mm

Technical features

Protection Rating: IP65 • in compliance with EN 60598-1 standards

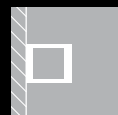
Class of insulation: I

Installation

Wiring through a M16 cable gland ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours available

.1 white .2 aluminium .3 anthracite .4 black .5 rust-red



Wall fitting



Bollard light



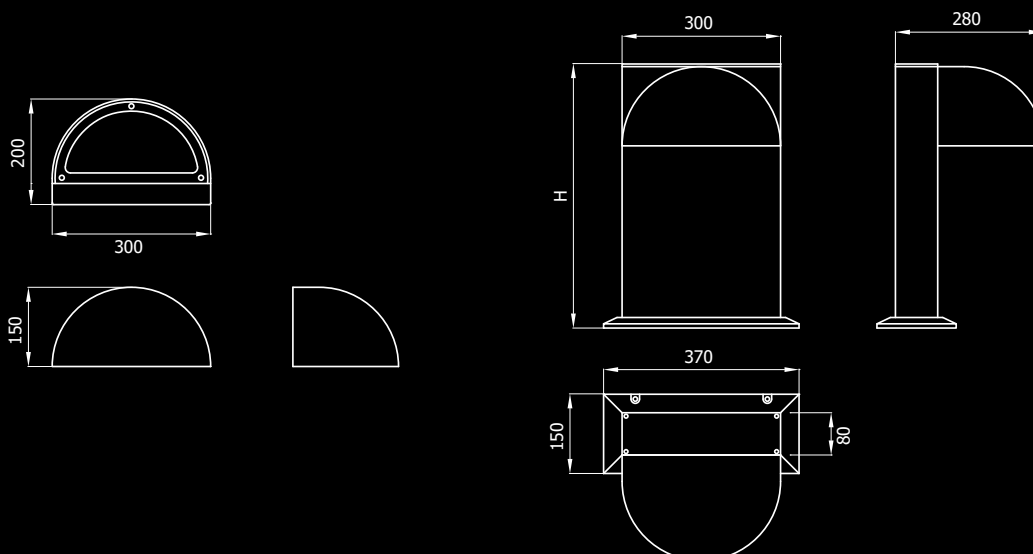
The fitting is equipped with 1 cable input

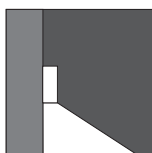


Protection against impact.

IK 07 - 2,00 joule

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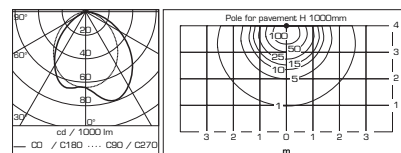




490100
QT32 100W E27

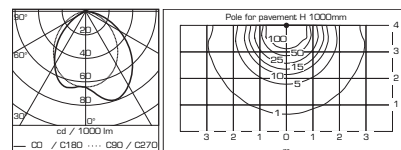


490800
TC-D 2x18W G24 d-2

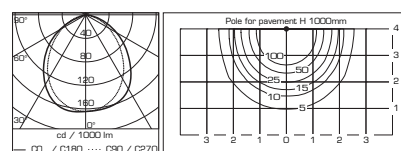


496000
TC-DEL 2x18W G24 q-2
Electronic ballast

491600
TC-D 2x26W G24 d-3



492900
HIT-DE 70W Rx7s
Electronic ballast



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POLE WITH BASE

2905
H 500 MM

2910
H 1000 MM





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ELECTRO
www.modul-electro.ru

Every family has its own innovators, living freely and independent, acting unconventional, but still in harmony with its surroundings.

That's why Samantha can perform its best by showing every side of its personality.

Each light effect is synonym with ability and lighting expertise. This great feature, enriched by our experience, all housed in a minimal design, makes Samantha our best creation for the 2007 collection.



Samantha

IP65 IP65

Description

Outdoor luminaire, with radial light emission, for installation on wall and ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available) composed of a fixing base and a closing cap, transparent or sandblasted borosilicate glass diffuser, silicone gasket and stainless steel screws. Electrical components are housed into the body.

Versions available

Light emission configuration:

- Broad beam – sandblasted glass:
 - 360° emission – four windows
 - 90° emission – one window
 - 2x90° emission – two opposite windows
- Narrow beam – transparent glass:
 - 4 narrow beams
 - 2 opposite narrow beams
- Combined beams – transparent glass:
 - 1 narrow beam + 90° emission

Diffuser:

- sandblasted glass (VS) on broad beam versions
- transparent glass (VT) on narrow and combined beams versions

Light sources

Broad beam:

28W CFL GR8 or 28W GR10q fluorescent lamp

100W QT18 B15d halogen lamp

35W HIT G12 metal halide lamp (electronic ballast)

Narrow and Combined beams

35W HIT G12 metal halide lamp (electronic ballast)

100W QT18 B15d halogen lamp

Dimensions

Diameter: 285mm

Height: 130mm

Technical features

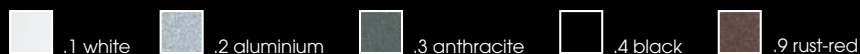
Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

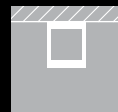
Installation

Wiring through two M16 plastic cable glands ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours available



Wall fitting



Ceiling fitting



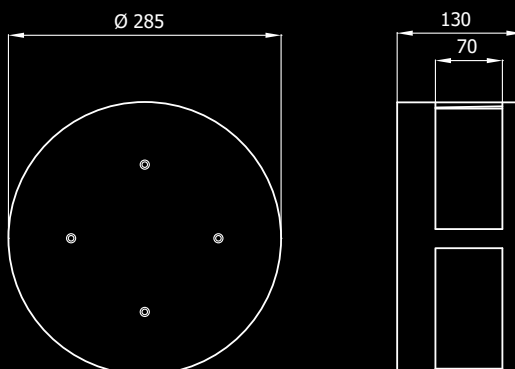
The fitting is equipped with 2 cable input

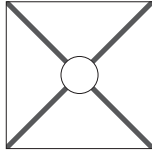
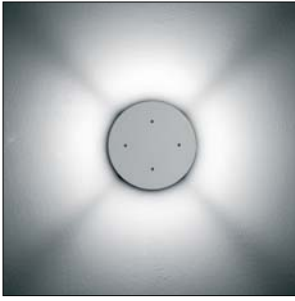


Protection against impact.

IK 07 - 2,00 joule

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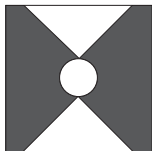
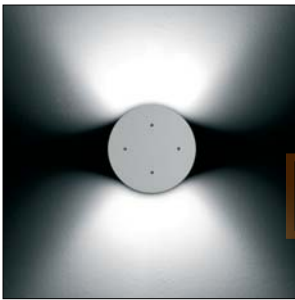
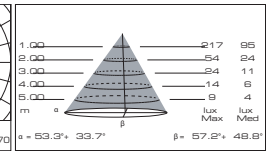
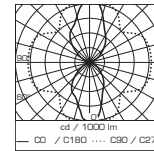
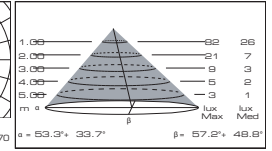
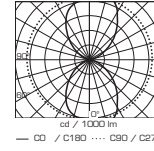
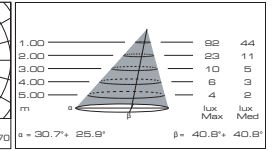
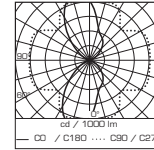


360° EMISSION
992048
 QT18 100W B15d

995248
 TC-DD 28W GR8

9914048
 TC-DD 28W GR10q
 Electronic ballast

993548
 HIT 35W G12
 Electronic ballast

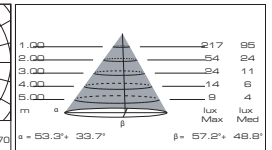
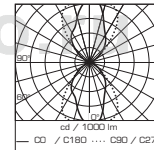
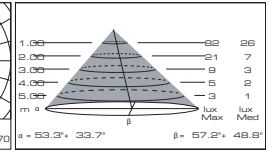
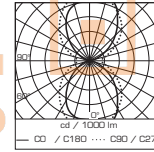
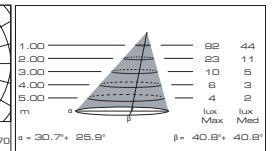
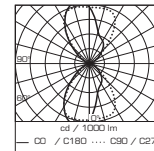


2 x 90° EMISSION
992047
 QT18 100W B15d

995247
 TC-DD 28W GR8

9914047
 TC-DD 28W GR10q
 Electronic ballast

993547
 HIT 35W G12
 Electronic ballast



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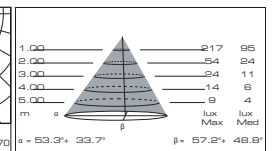
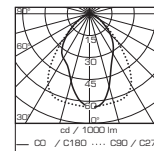
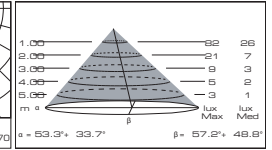
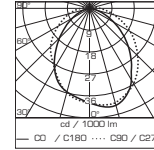
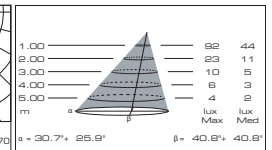
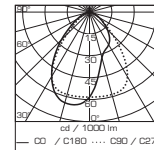


90° EMISSION
992046
 QT18 100W B15d

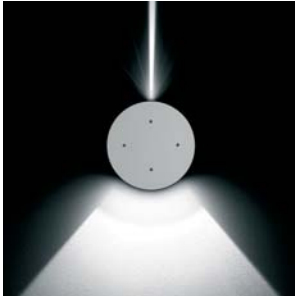
995246
 TC-DD 28W GR8

9914046
 TC-DD 28W GR10q
 Electronic ballast

993546
 HIT 35W G12
 Electronic ballast

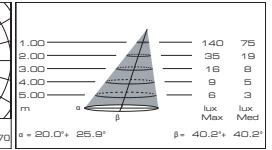
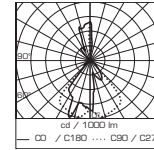


SAMANTHA

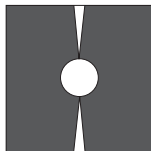
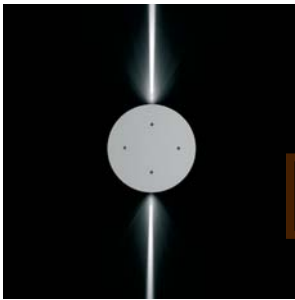
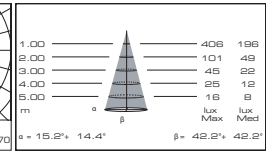
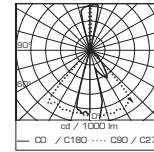


1 NARROW BEAMS 3° + 90° EMISSION

992054
QT18 100W B15d

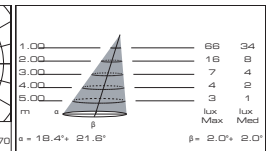
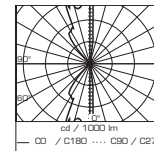


993544
HIT 35W G12
Electronic ballast

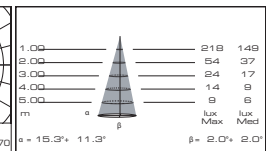
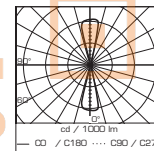


2 NARROW BEAMS 3°

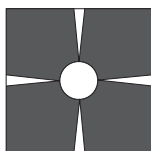
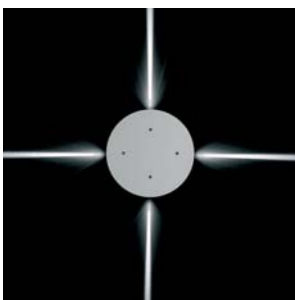
992044
QT18 100W B15d



993544
HIT 35W G12
Electronic ballast

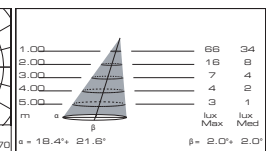
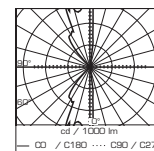


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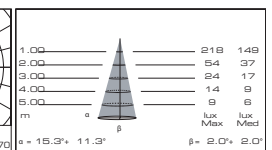
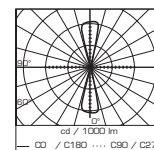


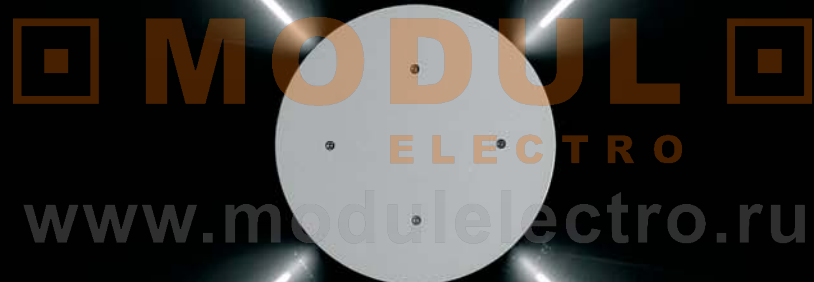
4 NARROW BEAMS 3°

992045
QT18 100W B15d



993545
HIT 35W G12
Electronic ballast





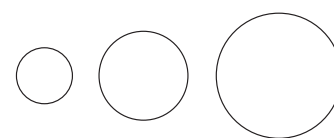
MODUL

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MODULO
ELECTRO
www.moduloelectro.it



Pat family is composed of round fixtures for wall and ceiling (three sizes available). Its simple shape together with a strong aluminium structure make it suitable for both indoor and outdoor installation. Pat family can be equipped with a series of vandal-proof accessories (visor, full louvre and half louvre) and is particularly appreciated for the opal polycarbonate wide emission surface offering a soft yet effective light output.

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ELECTRO
www.modulelectro.ru



Mini Pat

IP65 

Description

Round luminaire for outdoor surface installation on wall or on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frame, moulded silicone gasket and self-extinguishing opal polycarbonate diffuser.

Versions Available

Diffuser:

- self-extinguishing opal polycarbonate

Light Source

40W D45 E14 incandescent lamp

10W TC-D G24d-1 or 10W TC-DEL G24q-1 compact fluorescent lamp

Dimensions

Round frame: \varnothing 170mm

Width: 80mm

Technical Features

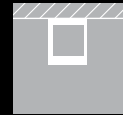
Protection Rating: IP65 • in compliance with EN 60598-1 standards

Class of insulation: I

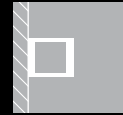
Installation

Wiring through two M16 plastic cable glands (\varnothing <10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours Available



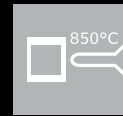
Ceiling fitting



Wall fitting



The fitting is equipped with 1 cable input



Glow wire 850°

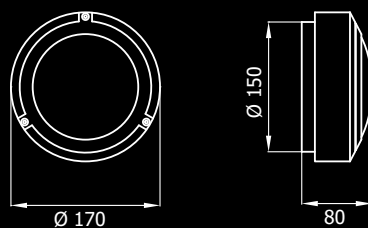


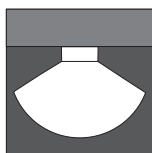
Protection against impact.

IK 09 - 10,00 joule

MODUL
ELECTRO

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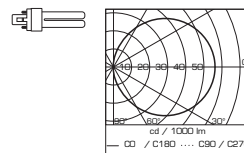
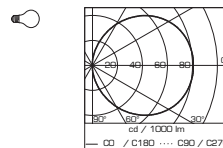




421100
D45 40W E14

420500
TC-D 10W G24 d-1

425700
TC-DEL 10W G24 q-1
Electronic ballast



MODUL
ELECTRO
www.modulelectro.ru



Description

Round luminaire for outdoor surface installation on wall or on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (four colours available) finish frames, moulded silicone gasket and self-extinguishing opal polycarbonate diffuser. The luminaire can be equipped with an emergency unit.

Versions Available

Diffuser: self-extinguishing opal polycarbonate

Finish-frames designs:

- all-light
- louvre
- half louvre
- visor

Light Source

100W QT32 E27 halogen lamp

2x9W TC G23 or 2x9W TC-SEL 2G7 fluorescent lamp

2x18W TC-D G24d-2 or 2x18W TC-DEL G24q-2 compact fluorescent lamp

Emergency unit

18W TC-DEL G24q-2 compact fluorescent lamp

Dimensions

Round frame: Ø 270mm

Width: 110mm

Technical Features






Protection Rating: IP65 in compliance with EN 60598-1 standards

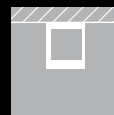
Class of insulation: I

Installation

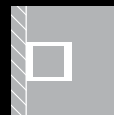
Wiring through a rubber cable holder for Ø<10mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available

- | | | | | | | | | | |
|---|----------|---|--------------|---|---------------|---|----------|---|-------------|
|  | .1 white |  | .2 aluminium |  | .3 anthracite |  | .4 black |  | .9 rust-red |
|---|----------|---|--------------|---|---------------|---|----------|---|-------------|



Ceiling fitting



Wall fitting



The fitting is equipped with 1 cable input

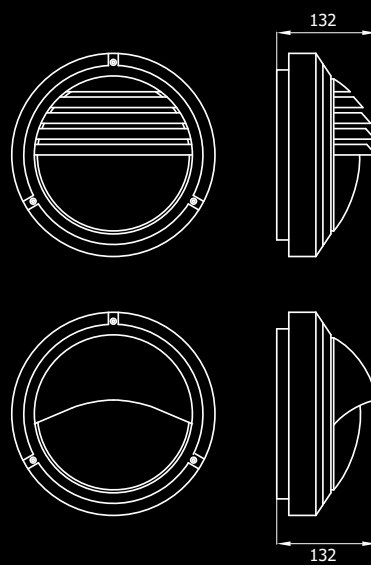
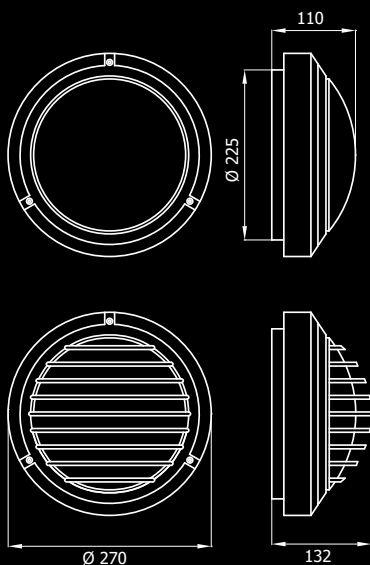
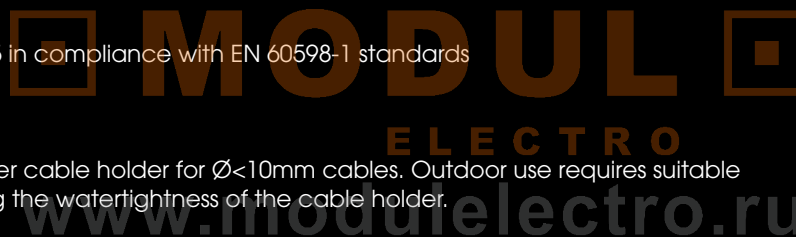


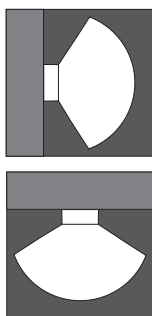
Glow wire test: 850°



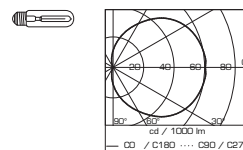
Protection against impact.

IK 09 - 10,00 joule



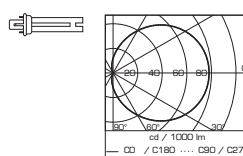


430123
QT32 100W E27



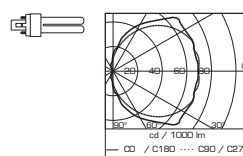
430423
TC 2x9W G23

434123
TC-SEL 2x9W 2G7
Electronic ballast



430823
TC-D 2x18W G24 d-2

436023
TC-DEL 2x18W G24q-2
Electronic ballast



LOUVRE
430105
QT32 100W E27



430405
TC 2x9W G23

434105
TC-SEL 2x9W 2G7
Electronic ballast



430805
TC-D 2x18W G24 d-2

436005
TC-DEL 2x18W G24q-2
Electronic ballast



MODULO ELECTRO
www.modulelectro.ru



HALF LOUVRE
430110
QT32 100W E27



430410
TC 2x9W G23

434110
TC-SEL 2x9W 2G7
Electronic ballast



430810
TC-D 2x18W G24 d-2

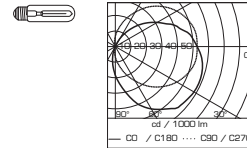
436010
TC-DEL 2x18W G24q-2
Electronic ballast



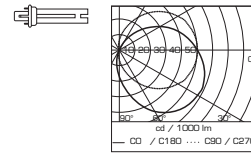
PAT



VISOR
430107
QT32 100W E27

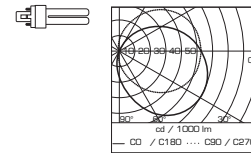


430407
TC 2x9W G23



434107
TC-SEL 2x9W 2G7
Electronic ballast

430807
TC-D 2x18W G24 d-2

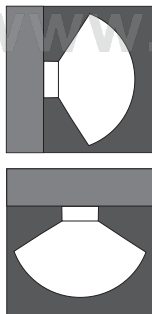


436007
TC-DEL 2x18W G24 q-2
Electronic ballast

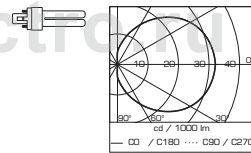
MODULO

ELECTRO

EMERGENCY VERSION (AUTONOMY 1h E 30 MIN.)



455923
TC-DEL 18W G24 q-2
Electronic ballast





MODUL
ELECTRO
www.modulelectro.ru

Maxi Pat

IP65 

Description

Round luminaire for outdoor surface installation on wall or on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frames, moulded silicone gasket and self-extinguishing opal polycarbonate diffuser. The luminaire can be equipped with an emergency unit.

Versions Available

Diffuser: self-extinguishing opal polycarbonate

Light Source

150W QT32 E27 halogen lamp

2x75W QT32 E27 halogen lamp

2x26W TC-D G24d-3 or 2x26W TC-DEL G24q-3 compact fluorescent lamp

Emergency unit

2x26W TC-DEL G24q-3 compact fluorescent lamp

Dimensions

Round frame: Ø 380mm

Width: 120mm

Technical Features


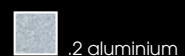
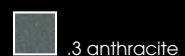


Protection Rating: IP65 • in compliance with EN 60598-1 standards

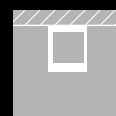
Class of insulation: I

Installation

Wiring through a rubber cable holder for Ø<10mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available

 .1 white  .2 aluminium  .3 anthracite  .4 black  .9 rust-red



Ceiling fitting



Wall fitting



The fitting is equipped with 1 cable input

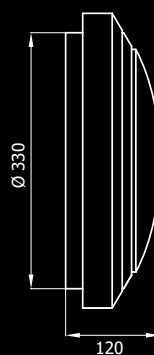
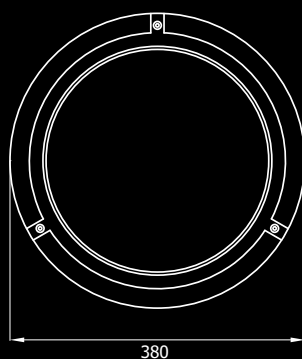


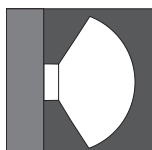
Glow wire test: 850°



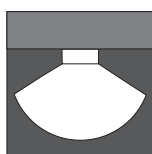
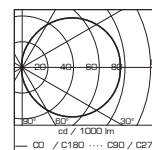
Protection against impact.

IK 09 - 10,00 joule

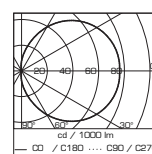




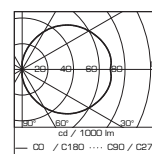
440123
QT32 150W E27



440223
QT32 2x75W E27



441623
TC-D 2x26W G24 d-3

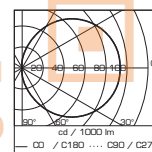


446223
TC-DEL 2x26W G24 q-3
Electronic ballast



EMERGENCY VERSION (AUTONOMY 1h E 30 MIN.)

456223
TC-DEL 2x26W G24 q-3
Electronic ballast



MODULE
ELECTRO
www.modulelectro.ru





MODUL
ELECTRO
www.modulelectro.ru



Isotta is a circular light fixture for ceiling and wall. Thanks to a simple but original design with side openings all around the body and a wide emission surface it enriches indoor and outdoor spaces of an even soft light. Highly decorative and compact, Isotta is a very reliable working element allowing long term projects.

MODUL

ELECTRO

www.modulelectro.ru



Description

Round luminaire for outdoor surface installation on wall, on ceiling or on dedicated post. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frames, moulded silicone gasket and self-extinguishing opal polycarbonate diffuser.

Versions Available

Diffuser: self-extinguishing opal polycarbonate

Light emission: front and lateral 360° emission through side openings all around the structure

Light Source

- 100W QT32 E27 halogen lamp
- 2x60W QT32 E27 halogen lamp
- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

Dimensions

Luminaire:

Round frame: Ø 304mm

Width: 100mm

Post:

Length: 300mm

Height: 500mm or 1000mm

Width: 80mm + 100mm (luminaire)

Base:

- length: 370mm

- width : 150mm

Technical Features

Protection Rating: IP65 • in compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through a rubber cable holder for Ø<10mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

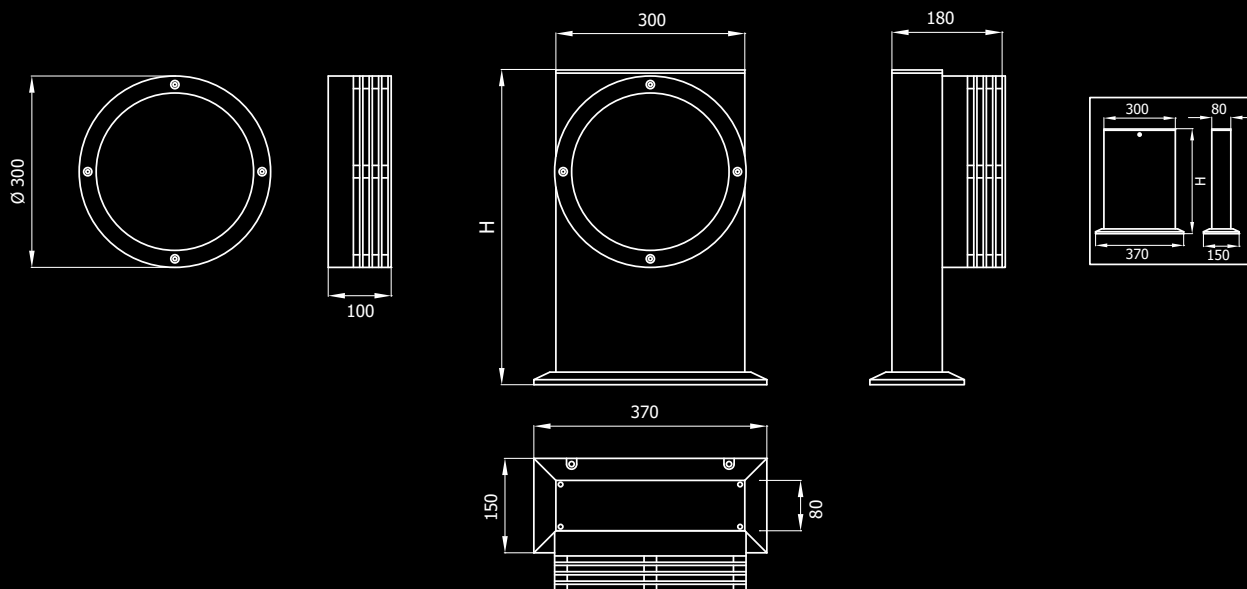
Colours Available

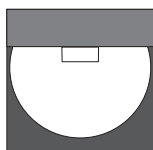
- .1 white
- .2 aluminium
- .3 anthracite
- .4 black
- .9 rust-red



MODUL
ELECTRO

www.modulelectro.ru



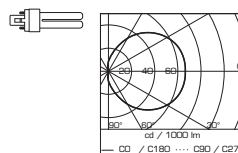
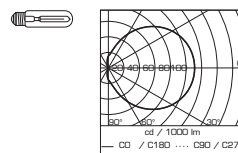
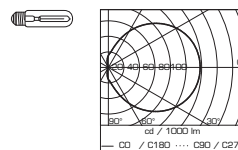


400100
QT32 100W E27

400200
QT32 2x60W E27

400900
TC-D 26W G24 d-3

406200
TC-DEL 26W G24 q-3
Electronic ballast



POLES WITH BASE

MODULO

ELECTRO

www.modulelectro.ru

2305
H 500 MM

2310
H 1000 MM





MODULO
ELECTRO
www.modulelectro.ru

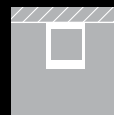
Elsa is a circular fixture for wall and ceiling and is offered with a solid polycarbonate diffuser finished by a series frames with different design. Elsa style fully matches and exalts most indoor and outdoor, modern and classic, elegant and casual settings.

MODULO
ELECTRO
www.modulselectro.ru



Description

Round luminaire for outdoor surface installation on wall or on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frames, expanded silicone gasket and curved opal polycarbonate diffuser.



Ceiling fitting

Versions Available

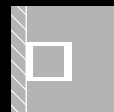
Diffuser: curved opal polycarbonate

Light emission:

- front and lateral 360° emission through curved polycarbonate diffuser

Finish frames design:

- all light
- visor with vertical opening
- radial frame (vandal proof)



Wall fitting



The fitting is equipped with 1 cable input

Light Source

100W QT32 E27 halogen lamp

18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp



Glow wire test: 850°

Dimensions

Round frame: Ø 250mm

Width: 112mm (135mm with visor and radial finish frame)

Technical Features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I



Protection against impact.

Installation

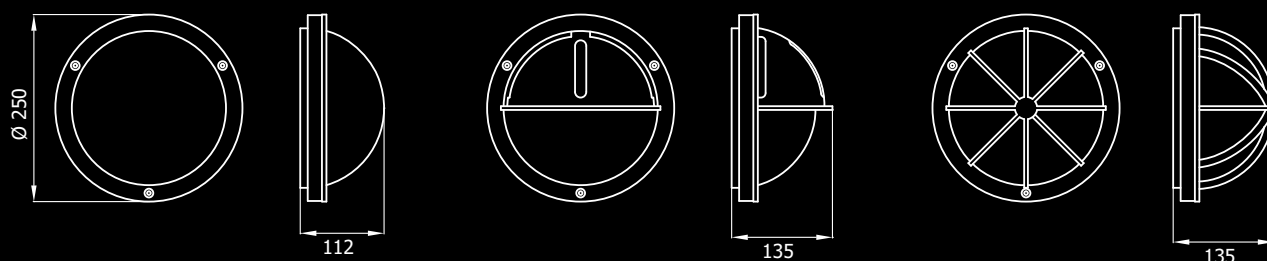
Wiring through a rubber cable holder for Ø<10mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

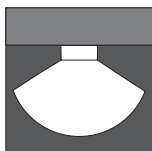
IK 09 - 10,00 joule

Colours Available

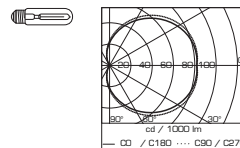


MODUL
ELECTRO
www.modullectro.ru

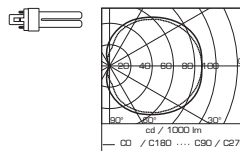




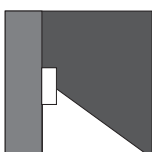
460123
QT32 100W E27



460723
TC-D 18W G24 d-2



465923
TC-DEL 18W G24 q-2
Electronic ballast



VISOR
460109
QT32 100W E27



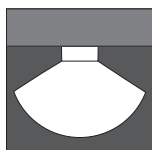
460709
TC-D 18W G24 d-2



MODUL
ELECTRO

www.modul-electro.ru

465909
TC-DEL 18W G24 q-2
Electronic ballast



RADIAL FRAME
460106
QT32 100W E27



460706
TC-D 18W G24 d-2



465906
TC-DEL 18W G24 q-2
Electronic ballast



MODUL
ELECTRO
www.modulelectro.ru

87

Sam is an oval fixture of compact, reduced dimensions. The simple style can be enriched by different configurations - all light, horizontal or vertical visor and horizontal half louvre - allowing the creation of various effects and customised projects. Sam can be installed on ceiling, on wall or on other solid structures and is, therefore, suitable for terraces, porches, columns, fence and gate posts.

MODULO

ELECTRO

www.modulelectro.ru

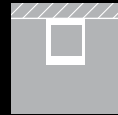


Sam

IP65

Description

Oval luminaire for outdoor surface installation on wall or on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure with coated die-cast aluminium (five colours available) finish frames, expanded silicone gasket and self-extinguishing opal polycarbonate diffuser.



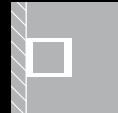
Ceiling fitting

Versions Available

Diffuser: self-extinguishing opal polycarbonate

Finish frames design:

- all light
- vertical visor
- horizontal visor
- horizontal half louvre



Wall fitting

Light Source

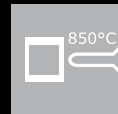
- 60W QT32 E27 halogen lamp
- 2x9W TC-S G23 or 2x9W TC-SEL 2G7 fluorescent lamp



The fitting is equipped with 1 cable input

Dimensions

Oval frame: 260x150mm
Width: 110mm



Glow wire test: 850°

Technical Features

Protection Rating: IP65 • in compliance with EN 60598-1 standards
Class of insulation: I

Installation

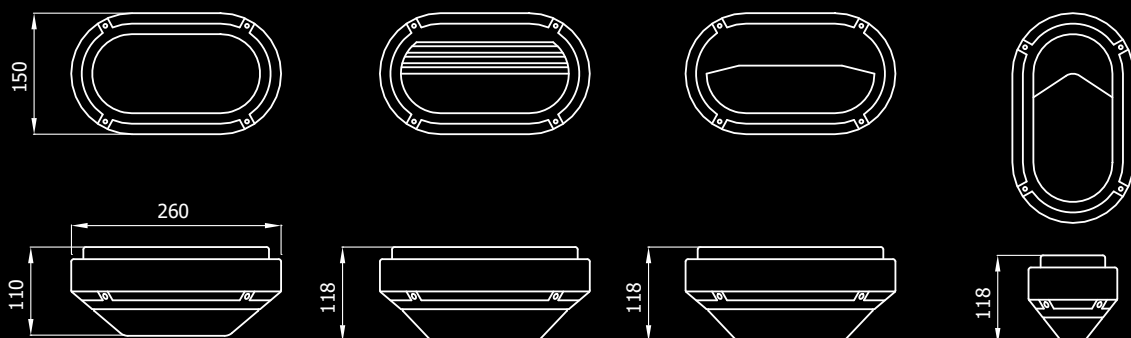
Wiring through a rubber cable holder for $\varnothing < 10$ mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

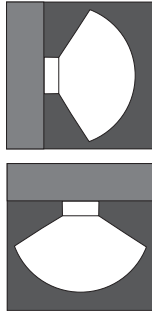


Protection against impact.
IK 09 - 10,00 joule

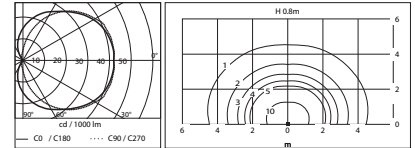
Colours Available

- .1 white
- .2 aluminium
- .3 anthracite
- .4 black
- .9 rust-red



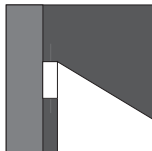
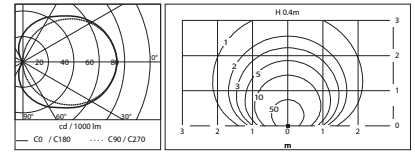


520123
QT32 60W E27



520423
TC 2x9W G23

5214123
TC-SEL 2x9W 2G7
Electronic ballast



VERTICAL VISOR
520137
QT32 60W E27



520437
TC 2x9W G23

5214137
TC-SEL 2x9W 2G7
Electronic ballast



MODULO ELECTRO

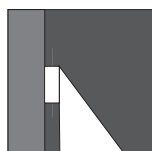


HORIZONTAL VISOR
520110
QT32 60W E27

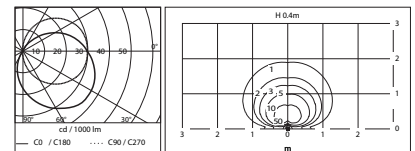


520410
TC 2x9W G23

5214110
TC-SEL 2x9W 2G7
Electronic ballast

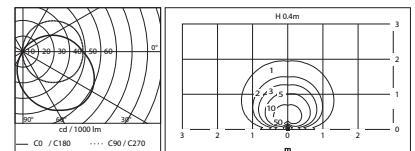


HORIZONTAL HALF LOUVRE
520107
QT32 60W E27



520407
TC 2x9W G23

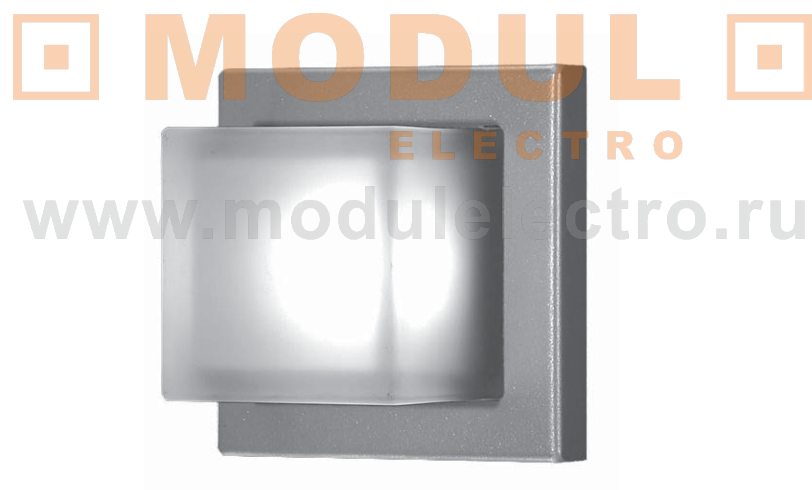
5214107
TC-SEL 2x9W 2G7
Electronic ballast





MODUL
ELECTRO
www.modulelectro.ru

Cube is an elegant luminaire for indoor and outdoor installation on wall. Its bright structure is composed of a square stainless steel frame bordering an opal-glass cube. This stylish fixture offers a soft and comfortable light emission in a pleasing outlook.



Cube

IP54 

Description

Outdoor luminaire for surface installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure and stainless steel or aluminium (five colours available) cover, expanded silicone gasket and moulded sandblasted



Wall fitting

Versions Available

Diffuser: moulded sandblasted glass

Light Source

60W Q14 G9 halogen lamp

4W/230V led module (cool 5500 K and warm 3000 K white)



The fitting is equipped with 1 cable input

Dimensions

Length: 139mm

Height: 139mm

Width: 97mm



Protection against impact.

IK 08 - 5,00 joule

Technical Features

Protection Rating: IP54 • In compliance with EN 60598-1 standards

Class of insulation: I

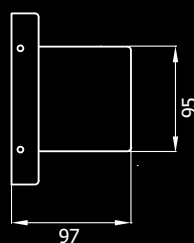
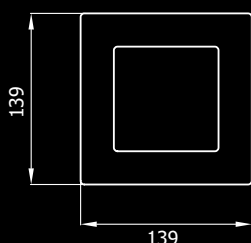
Installation

Wiring through a rubber cable holder for $\varnothing < 10$ mm cables. Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

Colours Available



MODULO
ELECTRO
www.modulelectro.ru





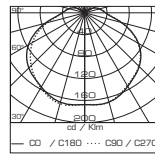
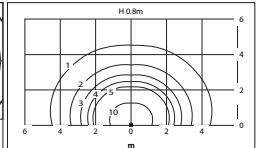
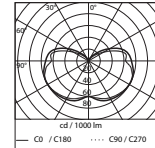
STAINLESS STEEL FRAME

802700
QT14 60W G9

led

806800
1 COOL WHITE LED 1x4W/230V
< 80°C

807000
1 WARM WHITE LED 1x4W/230V
< 80°C



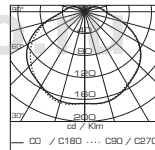
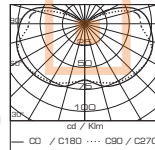
ALUMINIUM FRAME

802723
QT14 60W G9

led

806823
1 COOL WHITE LED 1x4W/230V
< 80°C

807023
1 WARM WHITE LED 1x4W/230V
< 80°C



MODULO ELECTRO

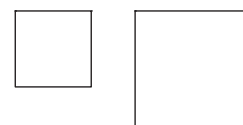
www.moduloelectro.com





MODUL
ELECTRO

www.modulelectro.ru



Rigorous design, aluminium square structure and transparent or sandblasted glass diffuser. Paolina is a very versatile fixture suitable for most installation settings, what is more, thanks to its compact dimensions it helps reduce the visual impact on the surface it is installed on. Designers looking for a valid element to create precious atmospheres whilst emphasising architectures, will find in Paolina a suitable solution.

 **MODUL** 

ELECTRO

www.modulelectro.ru



Paolina

IP65 CE

Description

Outdoor luminaire for installation on wall. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered sandblasted or transparent glass, pure aluminium optics, silicone gasket and stainless steel screws.

Versions available

Finish-frames designs:

- all light
- directional louvre
- internal visor – asymmetric light

Diffuser: sandblasted glass (VS) for all light and directional louvre versions
transparent glass (VT) for internal visor version

Light sources

All light and directional louvre :

100W QT-DE12 R7s halogen lamp

18W TC-T Gx24d-2 (75mm) or 18W TC-SEL Gx24q-2 (75mm) compact fluorescent lamp

Internal visor :

100W QT-DE12 R7s halogen lamp

9 led module 9W/190-240V (cool-white 5500 K, warm-white 3000 K, and blue 475nm)
(transformer integrated into the module)

Dimensions

Length: 150mm

Height: 150mm

Width: 100mm

Technical features

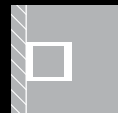
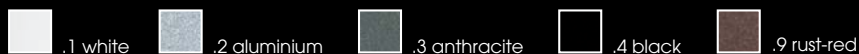
Protection Rating: IP65 • In compliance with EN 60598-1

Class of insulation: I

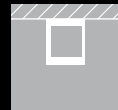
Installation

Wiring through a M16 cable gland ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours available



Wall fitting



Ceiling fitting



The fitting is equipped with 1 cable input

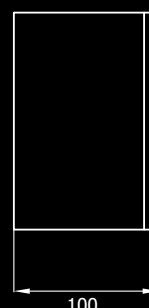
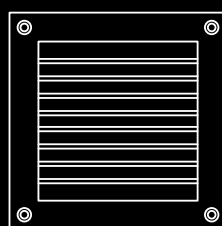
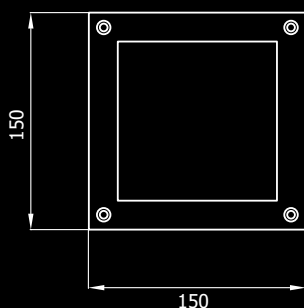


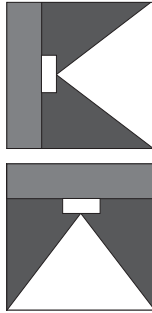
Protection against impact.

IK 08 - 5,00 joule

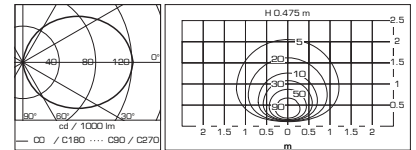
MODUL ELECTRO

www.modulelectro.ru

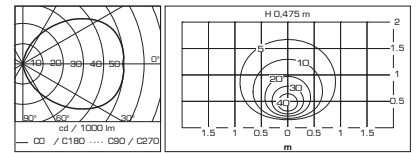




891823
QT-DE 12 100W R7s (75mm)



892323
TC-T 18W Gx24 d-2



898523
TC-TEL 18W Gx24 q-2
Electronic ballast



DIRECTIONAL LOUVRE
891805
QT-DE 12 100W R7s (75mm)

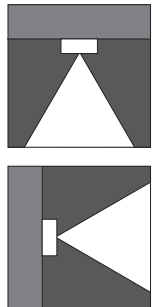
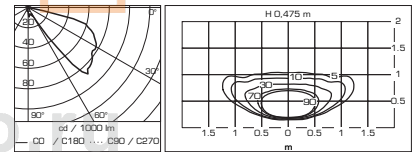


892305
TC-T 18W Gx24 d-2



898505
TC-TEL 18W Gx24 q-2
Electronic ballast

MODULO
ASYMMETRIC OPTIC
891814
QT-DE 12 100W R7s (75mm)
www.modulelectro



led 8910923
9 COOL WHITE LED 9x1W/190-240V
Electronic power supply included
<< 80°C



8911023
9 WARM WHITE LED 9x1W/190-240V
Electronic power supply included
<< 80°C



8911123
9 BLUE LED 9x1W/190-240V
Electronic power supply included
<< 80°C



NARROW BEAM 10° ON REQUEST

Description

Minimal and compact outdoor luminaire for installation on wall. Configuration: phosphochromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered sandblasted or transparent glass, pure aluminium optics, silicone gasket and stainless steel screws.

Versions available

Light emission:

- fixed symmetric emission
- fixed asymmetric emission

Diffuser:

- transparent glass (VT) for asymmetric emission
- sandblasted glass (VS) for symmetric emission

Light sources

Symmetric version:

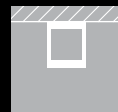
- 2x26W TC-D G24d-3 compact fluorescent lamp
- 2x18W TC-D G24d-2 or 2x18W TC-DEL G24q-2 compact fluorescent lamp
- 150W QT-DE R7s halogen lamp
- 2x60W QT32 E27 halogen lamp

Asymmetric version:

- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp
- 150W QT-DE R7s halogen lamp



Wall fitting



Ceiling fitting



The fitting is equipped with 2 cable input



Protection against impact.

IK 07 - 2,00 joule

Dimensions

Side: 250mm

Width: 90mm max

Technical features

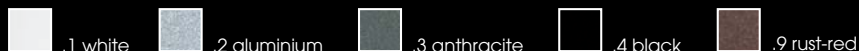
Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

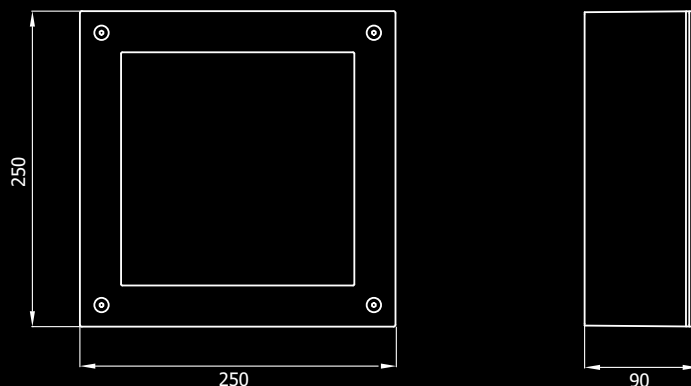
Wiring through two M16 plastic cable glands ($\varnothing < 10$ mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

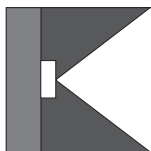
Colours available



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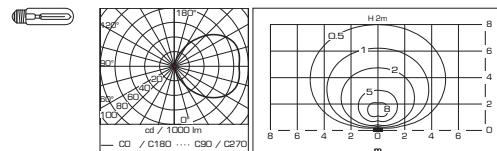
www.modulelectro.ru



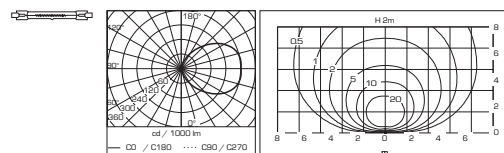


SYMMETRIC OPTIC

890200
QT32 2x60W E27

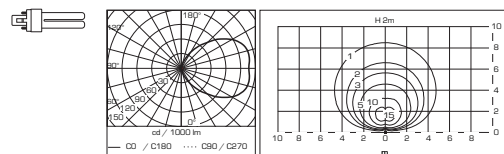


891400
QT-DE 12 150W R7S



890800
TC-D 2x18W G24d-2

896000
TC-DEL 2x18W G24q-2
Electronic ballast

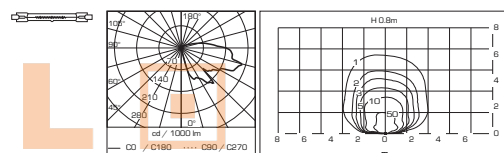


891600
TC-D 2x26W G24d-3



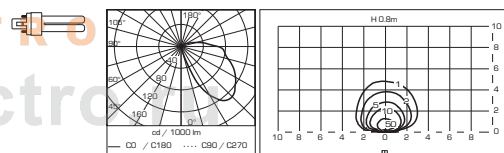
ASYMMETRIC OPTIC

891414
QT-DE 12 150W R7S



890914
TC-D 26W G24d-3

896114
TC-DEL 26W G24q-3
Electronic ballast



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ELECTRO
www.modulelectro

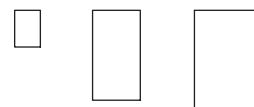


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FISIOSTATIC

- Terapia fisica e Riabilitazione
- Osteopatia
- Tecarterapia
- Laserterapia Nd:Yag e Co2
- Ginnastica Posturale
- Reumatologia - Fisiatria
- Ortopedia e Traumatologia

Si ritrova per appuntamenti
Tel. 0932-683324



Vanna family is composed of cylindrical fixtures for ceiling (three sizes available). A high degree of protection makes it suitable for outdoor transit areas: entries, porches, covered terraces and for moderately dusty or humid settings. The versatile design matches both modern and classic styles.

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www.modulelectro.ru



Mini Vanna

IP55 

Description

Outdoor luminaire for installation on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered transparent glass and expanded silicone gasket.

Versions available

Diffuser: transparent glass (VT)

Light sources

- 35W/12V QRCBC51 GU5,3 dichroic lamp (remote transformer to be ordered separately)
- 35W PAR16 GZ10 dichroic lamp
- 1 led module 4W/230V (cool 5500 K white - warm 3000 K white)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Round section: Ø70mm
Height: 100mm

Technical features

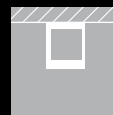
Protection Rating: IP55 • in compliance with EN 60598-1 standards
Class of insulation: mains tension: I - low tension: III

Installation

Wiring through a rubber cable holder (Ø <10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours available

-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red



Ceiling fitting



The fitting is equipped with 1 cable input



The feeding transformer (230V/12V) for low voltage must be installed on remote position.

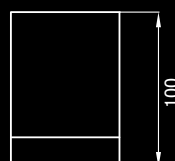


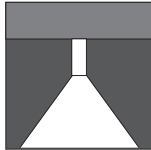
Protection against impact.

IK 08 - 5,00 joule



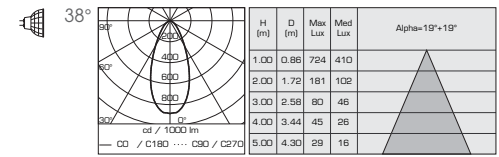
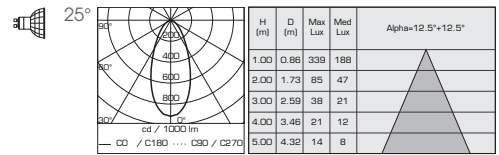
www.modulelectro.ru





612800
PAR 16 35W/230V GU10

613300
QR CBC 51 35W/12V GU5,3
Remote transformer to be ordered



led 6112700
1 COOL WHITE LED 1x4W 230V
< 80°C



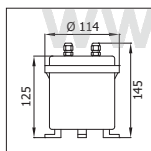
6112800
1 WARM WHITE LED 1x4W 230V
< 80°C



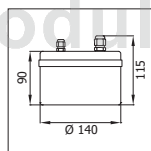
MODULO

ELECTRO

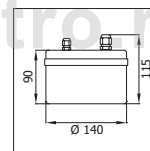
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66



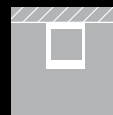
18
trasform. 300W
230V/12V 50Hz
IP 66

Vanna

IP55  

Description

Outdoor luminaire for installation on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered transparent glass and expanded silicone gasket.



Ceiling fitting

Versions available

Diffuser: transparent glass (VT)

Light sources

- 100W QT32 E27 halogen lamp
- 18W TC-D G24d-2 or 18W TC-DEL G24q-2 compact fluorescent lamp
- 26W TC-D G24d-3 compact fluorescent lamp



The fitting is equipped with 1 cable input

Dimensions

Round section: $\varnothing 130\text{mm}$
Height: 245mm



Protection against impact.

IK 08 - 5,00 joule

Technical features

Protection Rating: IP55 • In compliance with EN 60598-1 standards
Class of insulation: I

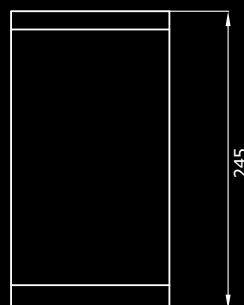
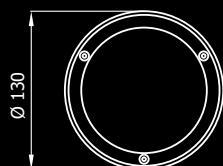
Installation

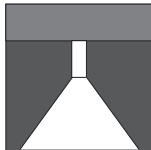
Wiring through a M16 cable gland ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours available

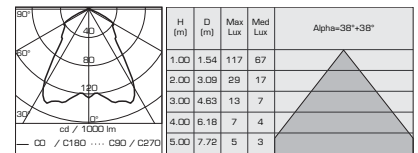
-  .1 white
-  .2 aluminium
-  .3 anthracite
-  .4 black
-  .9 rust-red

MODUL
ELECTRO
www.modulelectro.ru

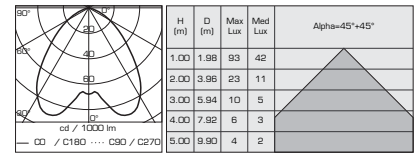




190100
QT 32 E27 100W

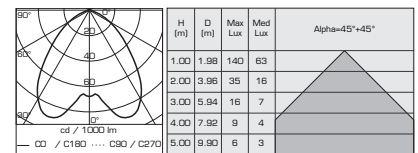


190700
TC-D 18W G24 d-2



195900
TC-DEL 18W G24 q-2
Electronic ballast

190900
TC-D 26W G24 d-3



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ELECTRO
www.modulelectro.ru



Maxi Vanna

IP55 

Description

Outdoor luminaire for installation on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered transparent glass and expanded silicone gasket.

Versions available

Diffuser: transparent glass (VT)

Beam : optional 20° beam on metal halide lamps

Light sources

150W QT32 E27 halogen lamp

26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp

42W TC-TEL Gx24q-4 compact fluorescent lamp

35W or 70W HIT G12 metal halide lamp

Dimensions

Round section: Ø180mm

Height: 270mm

Technical features

Protection Rating: IP55 • In compliance with EN 60598-1 standards

Class of insulation: I

Installation

Wiring through a M16 cable gland (Ø <10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours available



.1 white



.2 aluminium



.3 anthracite



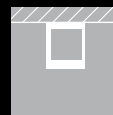
.4 black



.9 rust-red

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Ceiling fitting

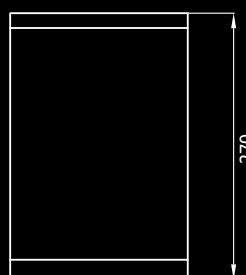
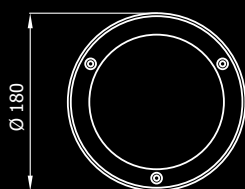


The fitting is equipped with 1 cable input

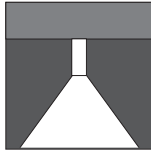


Protection against impact.

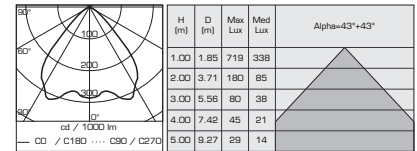
IK 08 - 5,00 joule



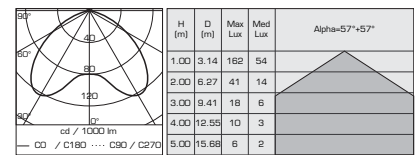
MAXI VANNA



200100
QT 32 150W E27

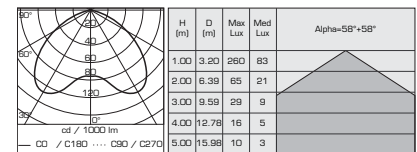


200900
TC-D 26W G24 d-3

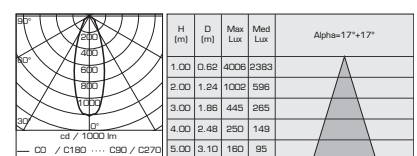


206200
TC-DEL 26W G24 q-3
Electronic ballast

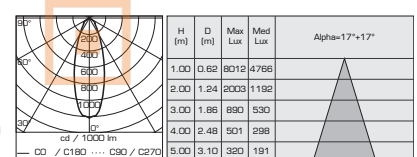
202100
TC-TEL 42W Gx24 q-4
Electronic ballast



203500
HIT 35W G12



207100
HIT 70W G12

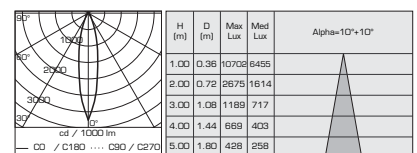
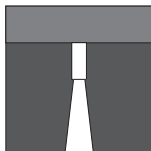


MODULO
ELECTRO

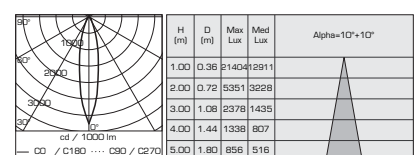
www.modulelectro.ru

NARROW BEAM 20°

203512
HIT 35W G12



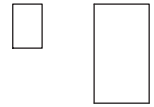
207112
HIT 70W G12







MODULO
ELECTRO

WWW.MODULO.ELECTRO



Silvana family is the evolution of Vanna family coming from the wish of giving our partners and customers another valid element to customise their projects, this time in a parallelepiped shape. Available in two different sizes (with a high degree of protection) Mini Silvana and Silvana offer effective downlighting suitable for most outdoor and indoor settings.

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ELECTRO
www.modulelectro.ru



Mini Silvana

IP65    

Description

Outdoor luminaire for installation on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered transparent glass and expanded silicone gasket.

Versions available

Diffuser: transparent glass (VT)

Light sources

35W/12V QRCBC51 GU5,3 dichroic lamp (remote transformer to be ordered separately)

35W PAR16 GZ10 dichroic lamp

1 led module 4W/230V (cool 5500 K white - warm 3000 K white)

Accessories on request: 230V/12V 50Hz transformer for 50W, 200W and 300W power.

Dimensions

Square section: 80mm side

Height: 120mm

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards

Class of insulation: mains tension: I - low tension: III

Installation

Wiring through a M16 cable gland ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

Colours available

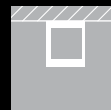
 .1 white  .2 aluminium  .3 anthracite  .4 black  .9 rust-red

MODUL
ELECTRO

www.modulelectro.ru



The fitting is equipped with 1 cable input



Ceiling fitting

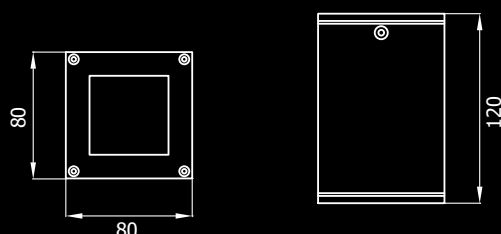


The feeding transformer (230V/12V) for low voltage must be installed on remote position.

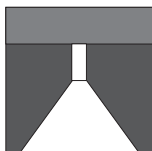


Protection against impact.

IK 08 - 5,00 joule

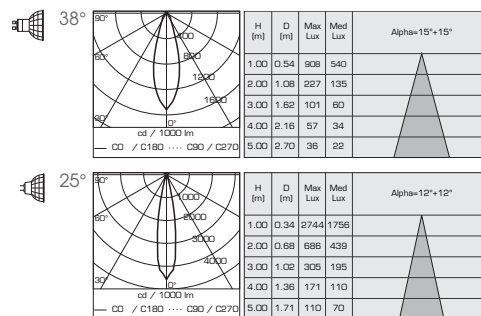


MINI SILVANA



362800
PAR 16 35W GU10

363300
QR CBC 51 35W/12V GU5,3
Remote transformer to be ordered



led **3612700**
1 COOL WHITE LED 1x4W 230V
< 80°C

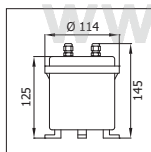


3612800
1 WARM WHITE LED 1x4W 230V
< 80°C

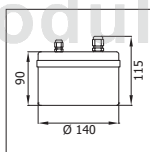


MODULO ELECTRO

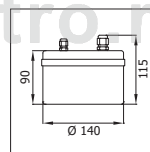
TRANSFORMERS



16
trasform. 50W
230V/12V 50Hz
IP 66



17
trasform. 200W
230V/12V 50Hz
IP 66

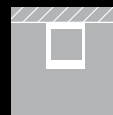


18
trasform. 300W
230V/12V 50Hz
IP 66



Description

Outdoor luminaire for installation on ceiling. Configuration: phospho-chromatised and polyester powder coated die-cast aluminium structure (five colours available), tempered transparent glass and expanded silicone gasket.



Ceiling fitting

Versions available

Diffuser: transparent glass (VT)

Light sources

- 150W QT32 E27 halogen lamp
- 26W TC-D G24d-3 or 26W TC-DEL G24q-3 compact fluorescent lamp
- 42W TC-TEL Gx24q-4 compact fluorescent lamp
- 35W or 70W HIT G12 metal halide lamp



The fitting is equipped with 1 cable input

Dimensions

Square section: 150mm side
Height: 270mm



Protection against impact.

IK 08 - 5,00 joule

Technical features

Protection Rating: IP65 • In compliance with EN 60598-1 standards
Class of insulation: I

Installation

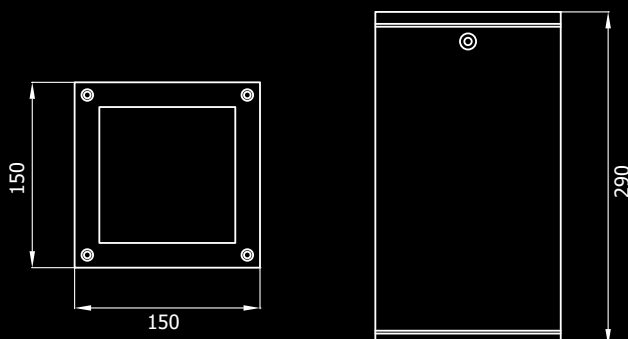
Wiring through a M16 cable gland ($\varnothing < 10\text{mm}$ cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable gland.

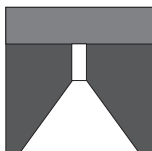
Colours available

- .1 white
- .2 aluminium
- .3 anthracite
- .4 black
- .9 rust-red

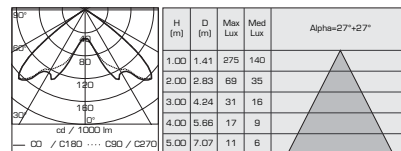


www.modulelectro.ru

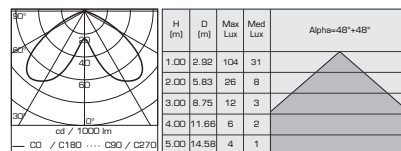




360100
QT 32 150W E27

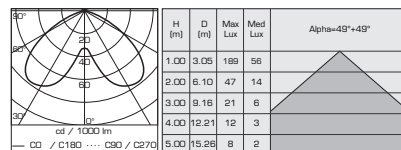


360900
TC-D 26W G24 d-3

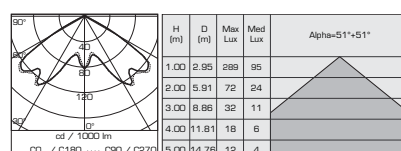


366100
TC-DEL 26W G24 q-3
Electronic ballast

362100
TC-TEL 42W Gx24 q-4
Electronic ballast

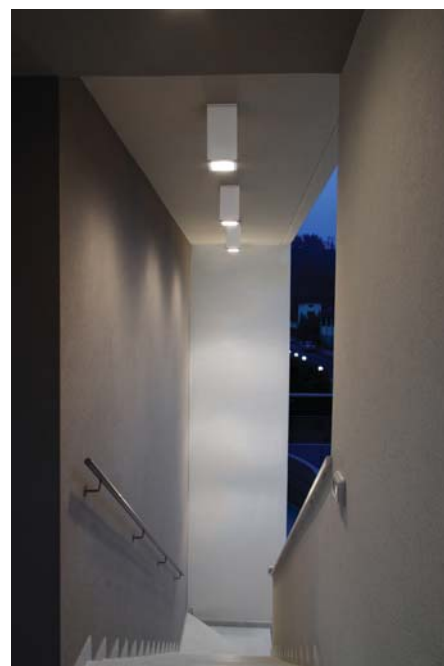
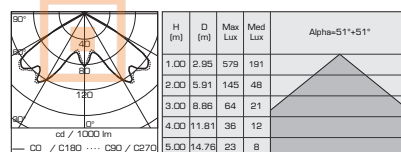


363500
HIT 35W G12



MODULO
ELECTRO
www.modulelectro.ru







367100
HIT 70W G12














LAMPS

Cod. ILCOS/ZVEI	W	V	lm	cd	K	IRC
International acronym lamp	Watt	Tension	Luminous Output	Luminous Intensity	Colour Temperature	Index of chromatic yield

incandescent lamps

	ILCOS	ZVEI	description	socket	W	V	lm	cd	K	IRC	lifetime	
	IAA	D 45	incandescence	E14	40	230	400	-	2800	100	1000	
				E14	60	230	660	-	2800	100	1000	
	IAA	A 60	ball incandescence	E27	40	230	400	-	2800	100	1000	
				E27	60	230	660	-	2800	100	1000	
				E27	60	230	730	-	2800	100	1000	
				E27	75	230	960	-	2800	100	1000	
	IAA	A 60	incandescence	E27	100	230	1380	-	2800	100	1000	
		A 65	incandescence	E27	150	230	2220	-	2800	100	1000	
		A 80	incandescence	E27	200	230	3040	-	2800	100	1000	
	IRR	R63	incandescence	E27	60	230	500	-	2800	100	1000	
				E27	200	230	3150	-	2800	100	1000	
	INT	IT 30	tubular incandescence	E14	40	230	440	-	2800	100	1000	
				12	E27	80	230	-	5400	2800	100	2000
				12°	E27	120	230	-	9300	2800	100	2000
				30°	E27	80	230	-	1800	2800	100	2000
				30°	E27	120	230	-	3100	2800	100	2000
	IPAR	PAR 38	inc. with reflector cool beam	30°	E27	120	230	-	9300	2800	100	2000
				30°	E27	120	230	-	9300	2800	100	2000




halogen lamps

	ILCOS	ZVEI	description	socket	W	V	lm	cd	K	IRC	lifetime	
	HEGPAR	QPAR20	halogen with reflector	10°	E27	50	230	-	3000	2900	100	2000
				30°	E27	50	230	-	1000	2900	100	2000
				10°	E27	75	230	-	6500	2900	100	2500
	HEGPAR	QPAR30	halogen with reflector	30°	E27	75	230	-	2000	2900	100	2500
				10°	E27	100	230	-	9000	2900	100	2500
				30°	E27	100	230	-	3000	2900	100	2500
	HMG	QR-LP 111	halogen with reflector	4°	G53	50	12	-	50000	3000	100	3000
				8°	G53	50	12	-	23000	3000	100	3000
				24°	G53	50	12	-	3500	3000	100	3000
				10°	GU5.3	35	12	-	14000	3100	100	4000
				24°	GU5.3	35	12	-	4400	3100	100	4000
	HEGPARD	QR-CBC51	halogen	38°	GU5.3	35	12	-	2200	3100	100	4000
				60°	GU5.3	35	12	-	1050	3100	100	4000
				10°	GU5.3	35	12	-	15000	3100	100	4000
				24°	GU5.3	50	12	-	5700	3100	100	4000
				38°	GU5.3	50	12	-	2850	3100	100	4000
				60°	GU5.3	50	12	-	1430	3100	100	4000
				25°	GZ10	50	230	-	1250	2900	100	2000
	HEGPARD	QPAR-CBC51	halogen dichroic reflector	50°	GZ10	50	230	-	600	2900	100	2000
				25°	GU10	35	230	-	550	2900	100	2000
	HEGPARD	QPAR51	halogen with reflector	50°	GU10	35	230	-	350	2900	100	2000
				G4	5	12	60	-	3000	100	3000	
				G4	10	12	140	-	3000	100	3000	
	HSG	QT 9	halogen	G4	20	12	320	-	3000	100	3000	
				G9	75	230	1100	-	2800	100	2000	
				E27	60	230	840	-	2900	100	2000	
	HEG	QT 32	halogen	E27	100	230	1550	-	2900	100	2000	
				E27	150	230	2550	-	2900	100	2000	
	HDG	QT-DE12	halogen	R7s	150	230	2200	-	2900	100	2000	
				R7s	200	230	3520	-	2900	100	2000	
				R7s	100	230	1550	-	2900	100	2000	
	HDG	QT-DE 12	halogen (75 mm)	R7s	150	230	2600	-	2900	100	2000	
				B15d	100	230	1400	-	2900	100	2000	
	HSGST	QT 18	halogen	B15d	150	230	2250	-	2900	100	2000	












fluorescent lamps

	ILCOS	ZVEI	description	socket	W	V	lm	cd	K	IRC	lifetime
	FBC	T2	fluorescent	GX53	7	-	220	-	2700	85	15000
				GX53	9	-	280	-	2700	85	15000
				GX53	13	-	380	-	2700	85	15000
				G23	7	-	400	-	2700	86	5000
				G23	7	-	400	-	3000	86	5000
				G23	7	-	400	-	4000	86	5000
				G23	9	-	600	-	2700	82	5000
				G23	9	-	600	-	3000	82	5000
				G23	9	-	600	-	4000	82	5000
				G23	11	-	900	-	2700	82	5000
	FSD	TC-S	fluorescent	G23	11	-	900	-	3000	82	5000
				G23	11	-	900	-	4000	82	5000
	FSD	TC-SEL	fluorescent	2G7	9	-	600	-	2700	82	5000
				2G7	9	-	600	-	3000	82	5000
	FSQ	TC-D	fluorescent	G24d-1	10	-	600	-	2700	82	6000
				G24d-1	10	-	600	-	3000	82	6000
				G24d-1	10	-	600	-	4000	82	6000
				G24d-1	13	-	900	-	2700	82	6000
				G24d-1	13	-	900	-	3000	82	6000
				G24d-1	13	-	900	-	4000	82	6000
				G24d-2	18	-	1200	-	2700	82	6000
				G24d-2	18	-	1200	-	3000	82	6000
				G24d-2	18	-	1200	-	4000	82	6000
				G24d-3	26	-	1800	-	2700	82	6000
				G24d-3	26	-	1800	-	3000	82	6000
				G24d-3	26	-	1800	-	4000	82	6000
				G24q-1	10	-	600	-	2700	82	6000
				G24q-1	10	-	600	-	3000	82	6000
				G24q-1	10	-	600	-	4000	82	6000
				G24q-1	13	-	900	-	2700	82	6000
				G24q-1	13	-	900	-	3000	82	6000
				G24q-1	13	-	900	-	4000	82	6000
G24q-2	18	-	1200	-	2700	82	6000				
G24q-2	18	-	1200	-	3000	82	6000				
G24q-2	18	-	1200	-	4000	82	6000				
G24q-3	26	-	1800	-	2700	82	6000				
G24q-3	26	-	1800	-	3000	82	6000				
G24q-3	26	-	1800	-	4000	82	6000				
	FSQ	TC-DEL	fluorescent	GX24d-2	18	-	1200	-	2700	82	8000
				GX24d-2	18	-	1200	-	3000	82	8000
				GX24d-2	18	-	1200	-	4000	82	8000
				GX24d-3	26	-	1800	-	2700	82	8000
				GX24d-3	26	-	1800	-	3000	82	8000
				GX24d-3	26	-	1800	-	4000	82	8000
				GX24q-2	18	-	1200	-	2700	82	10000
				GX24q-2	18	-	1200	-	3000	82	10000
				GX24q-2	18	-	1200	-	4000	82	10000
				GX24q-3	26	-	1800	-	2700	82	10000
GX24q-3	26	-	1800	-	3000	82	10000				
GX24q-3	26	-	1800	-	4000	82	10000				
GX24q-3	32	-	2400	-	2700	82	10000				
GX24q-3	32	-	2400	-	3000	82	10000				
GX24q-3	32	-	2400	-	4000	82	10000				
GX24q-4	42	-	3200	-	2700	82	10000				
GX24q-4	42	-	3200	-	3000	82	10000				
GX24q-4	42	-	3200	-	4000	82	10000				
	FSM	TC-TEL	fluorescent	E27	15	-	900	-	2700	82	5000
				E27	15	-	800	-	6500	80	5000
				E27	20	-	1200	-	2700	82	5000
				E27	20	-	1100	-	4000	78	5000
				E27	20	-	1100	-	6500	80	5000
				E27	23	-	1500	-	2700	82	5000
				E27	23	-	1350	-	4000	78	5000

fluorescent lamps

	ILCOS	ZVEI	description	socket	W	V	lm	cd	K	IRC	lifetime
				E27	23	-	1400	-	6500	80	5000
	FBT	TC-TSE	fluorescent	E27	60	-	4000	-	3000	82	15000
				2G10	18	-	1100	-	2700	84	8000
				2G10	18	-	1100	-	3000	84	8000
				2G10	18	-	1100	-	4000	84	8000
				2G10	24	-	1700	-	2700	84	8000
				2G10	24	-	1700	-	3000	84	8000
				2G10	24	-	1700	-	4000	84	8000
				2G10	36	-	2800	-	2700	84	8000
				2G10	36	-	2800	-	3000	84	8000
	FSS	TC-F	fluorescent (Osram Dulux F)	2G10	36	-	2800	-	4000	84	8000
				G5	14	-	1300	-	3000	80	20000
	FD	T16	linear fluorescent	G5	21	-	2000	-	3000	80	20000
	FSD	TC-L		2G11	24	-	1800	-	3000	90	8000
	FSS	TC-DD		GR8	28	-	1050	-	3000	82	6000
				GR10q	28	-	1050	-	3000	82	6000

discharge lamps

	ILCOS	ZVEI	description	socket	W	V	lm	cd	K	IRC	lifetime	
				RX7s	70	-	6500	-	3000	82	9000	
				RX7s	70	-	6000	-	4200	92	9000	
				RX7s	150	-	13250	-	3000	88	9000	
	MD	HIT-DE	metal halide	RX7s	150	-	14200	-	4200	96	9000	
				Fc2	250	-	20000	-	3200	86	6000	
				Fc2	250	-	20000	-	4200	86	6000	
				Fc2	250	-	20000	-	5100	86	6000	
				Fc2	400	-	35000	-	4200	90	6000	
	MD	HIT-DE	metal halide	Fc2	400	-	36000	-	5200	90	6000	
				PGZ 12	60	-	6600	-	2800	70	12000	
	MT	HIT-COS	metal halide	PGZ 12	140	-	16500	-	2800	70	12000	
				G12	35	-	3300	-	3000	81	9000	
				G12	70	-	6600	-	3000	81	9000	
				G12	70	-	6600	-	4200	92	9000	
				G12	150	-	14000	-	3000	85	9000	
	MT	HIT-CE	metal halide	G12	150	-	12700	-	4200	96	9000	
				G8.5	35	-	3300	-	3000	81	6000	
	MT	HIT-TC-CE	metal halide	G8.5	70	-	6600	-	3000	83	6000	
	MC	HIT	metal halide	PGJ5	20	-	1650	-	3000	86	9000	
				10°	E27	35	-	-	23000	3000	81	9000
	MR	HI-PAR20	metal halide	30°	E27	35	-	-	5000	3000	81	9000
				10°	E27	35	-	-	44000	3000	81	9000
				30°	E27	35	-	-	7400	3000	81	9000
				10°	E27	70	-	-	68000	3000	83	9000
	MR	HI-PAR30L	metal halide	40°	E27	70	-	-	10000	3000	83	9000
				RX7s	70	-	6800	-	2000	39	16000	
	SD	HST-DE	sodium vapor A.P.	RX7s	150	-	15000	-	2000	39	16000	
				E27	70	-	5900	-	2000	39	12000	
	ST	HST-MF	sodium vapor A.P.	E27	70	-	5900	-	2000	39	12000	
	SE	HSE	sodium vapor A.P.	E27	70	-	5600	-	2000	39	12000	

Steps for the phasing out incandescent and halogen lamps in the EU

(EUROPEAN DIRECTIVE 2005/32/EC_ 244/2009 REGULATION)

On 2009 the European Union published the regulation 244/2009 disposing the phase-out of incandescent bulbs from 2009 to 2012, and of low-efficient halogen bulbs from 2016.

The use of more energy efficient bulbs will not only allow users to save energy, but also lead to a reduction of up to 15 million tons of Co2 emissions per year. Here below the six-stage approach chart timing the phasing-out of low efficient bulbs.

STAGE	BANNED BULBS	SOCKET
<i>September 2009</i>	>75W IAA GLS	E27 B22d 
	>60W HG	G9 
	>60W HEG	E27 
	>60W HDG	R7s 
<i>September 2010</i>	>60W IAA GLS	E27 B22d 
	>40W HG	G9 
	>40W HEG	E27 
	60W HDG	R7s 
<i>September 2011</i>	>40W IAA GLS	E27 B22d 
	>40W IBA	E14 B15d 
	>25W HG	G9 
	40W HEG	E27 
<i>September 2012</i>	ALL WATTAGES	E27 B22d 
	ALL WATTAGES	E14 B15d 
<i>September 2016</i>	ALL WATTAGES	E27 E14 
	ALL WATTAGES	G4 
	ALL WATTAGES	GY6,35 



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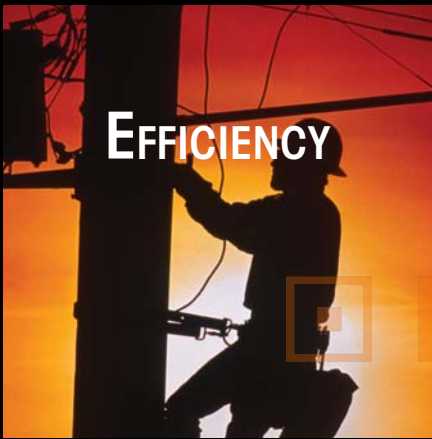
THE POWER OF LED



LIGHT EMITTING DIODE: LED

AN LED (LIGHT EMITTING DIODE) IS A SEMICONDUCTOR DEVICE THAT EMITS LIGHT WHEN ELECTRIC CURRENT IS APPLIED. IT IS USUALLY A VERY SMALL LIGHT SOURCE WITH THE POSSIBILITY OF ADDING OPTICS TO SHAPE ITS EMISSION AND, ACCORDING TO THE MATERIAL USED AS SEMICONDUCTOR, EMITTED LIGHT CAN HAVE DIFFERENT COLOURS – FROM INFRA-RED TO ULTRAVIOLET.

UNLIKE STANDARD LIGHT BULBS LEDs OFFER BETTER EFFICIENCY AND RELIABILITY WITH A GOOD SHOCK RESISTANCE AND A QUICK REACTION TO ON/OFF CYCLES. THOSE ASPECTS RESULT IN LONGER USEFUL LIFETIME OF THE DEVICE AND THEREBY IN LOWER ENVIRONMENTAL IMPACT.



WHEN COMPARED TO OTHER STANDARD LIGHT SOURCES LEDs TURNS OUT TO HAVE A LOWER POWER CONSUMPTION, LIGHT EMISSION BEING EQUAL. THIS FEATURE BECOMES USEFUL IN ENERGY-SAVING APPLICATIONS AND COULD HAVE A LEAD ROLE IN REDUCING ENERGY CONSUMPTION.

LEDs FOR STANDARD USE DO NOT EMIT INFRA-RED AND ULTRAVIOLET RADIATIONS, AND THEY DO NOT PRODUCE FLICKER NOR GLARE EFFECT CREATING A PLEASANT VISUAL COMFORT. WHAT IS MORE THE ABSENCE OF IR AND UV FREQUENCIES MAKES THEM SAFE FOR EVERYDAY USE AND GIVES THIS LIGHT SOURCE A SUPERIOR COLOUR RENDERING PROPERTY.

WHEN USED PROPERLY AND IN COMPLIANCE WITH PRODUCER'S SUGGESTIONS, USEFUL LIFETIME OF AN LED MODULE IS CONSIDERABLY LONG AND TIME UNTIL COMPLETE FAILURE CAN BE EVEN LONGER. THIS RELATIVELY REDUCES MAINTENANCE AND UPKEEP OF THE INSTALLATION.

Light Source	Light-Source Efficacy	Coefficient of Utilization	Fixture Efficacy
CFL	 65 lm/W	 54%	35 lm/W
XLamp XR-E Neutral White	 58 lm/W	 77%	44 lm/W

FIGURE 2
COMPARISON OF CFL & LED
COEFFICIENT OF UTILIZATION (SOURCE: CREE
LED LIGHT, WWW.CREE.COM/XLAMP)

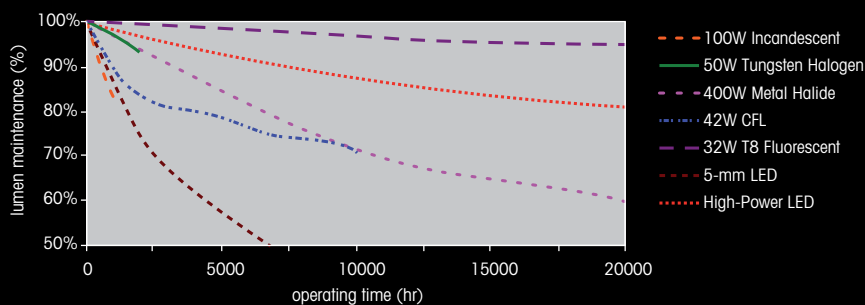


FIGURE 1
TYPICAL LUMEN MAINTENANCE VALUES FOR VARIOUS LIGHT SOURCES.
(SOURCE: ADAPTED FROM BULLOUGH, JD. 2003. LIGHTING ANSWERS: LED LIGHTING SYSTEMS. TROY, NY. NATIONAL LIGHTING PRODUCT INFORMATION PROGRAM, LIGHTING RESEARCH CENTER, RENSSELAER POLYTECHNIC INSTITUTE.)



THE USE OF LED MODULES AS LIGHT SOURCE HAS TURNED OUT TO BE AN ENVIRONMENTALLY FRIENDLY SOLUTION. THE CONSIDERABLE REDUCTION IN ENERGY CONSUMPTION RESULTS IN A REMARKABLE CUTBACK IN THE EMISSION OF GREENHOUSE GASES, IN COMPLIANCE WITH KYOTO PROTOCOL; WHAT IS MORE, THE PACKAGE OF AN LED IS MADE UP OF A SMALL PLASTIC CASE HOUSING A SMALL CHIP OF SEMICONDUCTING SUBSTANCE DOPED WITH DIFFERENT NON TOXIC MATERIALS, SO LEDs DO NOT CONTAIN GASES, VAPOURS OR POLLUTING METALS AND THEIR DISPOSAL FULLY COMPLY WITH ROHS REGULATIONS.

LED MODULES LIGHT UP VERY QUICKLY, THEY DON'T NEED LONG TIME BEFORE RESTARTING OR REACHING TOP EMISSION AND THEY HAVE FAST RESPONSE TIMES EVEN AT LOW TEMPERATURES; LIGHT EMISSION (OUTPUT AND COLOUR TEMPERATURE) IS PRETTY CONSTANT AND AT PRESENT INTENSITY IS UP TO 120LM/W AGAINST 100LM/W OF A METAL HALIDE LAMP; LEDs CAN BE CONSIDERED A COOL LIGHT SOURCE BECAUSE THEY EMITS VERY LITTLE HEAT BECAUSE EXTRA ENERGY IS SHED THROUGH A HEAT SINK INSTALLED AT THE BASE OF THE MODULE; LED MODULES WORK IN SAFETY LOW TENSION (SELV) MAKING THEM SUITABLE FOR INSTALLATION ON FLAMMABLE, DELICATE OR WALKABLE SURFACES OR AREAS WITHIN REACH; LAST BUT NOT LEAST IT IS IMPORTANT TO CONSIDER THAT LEDs, BEING A SOLID LIGHT SOURCE, HAVE GOOD RESISTANCE TO EXTERNAL SHOCKS, THIS FEATURE HELPS INCREASING DURABILITY OF THE DEVICE AND REDUCING MAINTENANCE.

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Guarantee conditions

ARES warrants to the Buyer the satisfactory operation of their products for the period of two years from date of Purchaser's purchase (the invoice date).

Within the guarantee period any defects with ARES products as a result of faulty materials or workmanship will be rectified free of charge.

ARES reserves the right to rectify the fault by repair, exchange or replacement.

The warranty does not cover and the manufacturer will not be liable for:

- Parts and materials subject to continuous wear;
- Problems resulting from external causes such as accident, abuse, misuse, mishandling, negligence, fire, theft, vandalism, riot, explosion, natural disaster, or other external causes unrelated to product defect;
- Conditions demonstrating faulty installation, misapplication, extreme environmental conditions beyond those defined in the product specification, under/over voltage situations, lack of compliance with applicable instructions, improper or inadequate handling, shipping, maintenance, negligence, accident, or tampering;
- Incompatibility, improper design, manufacture, installation, operation or maintenance of products not supplied by Manufacturer;
- Situations in which manufacturer's control gears fixtures and or any parts are replaced with those from other manufacturers;
- The quality of the installation on Manufacturer products by the installer of those products. For example, the above warranties would not cover problems resulting from such an installer's installation methods.
- Small defects having a negligible effect in value or operation.

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