

DESCRIPTION

Dimensions - Area exposed to wind pressure - Weight

Height	Width	Length	Diameter	Area exposed to wind (S)	Weight ^(A)	Weight ^(B)
710 mm	445 mm	445 mm		0.100 m ²	12.0 Kg	10.0 Kg

^(A) Max weight of light fixture with electromagnetic wiring.

^(B) Max weight of light fixture with electronic wiring.

Electrical characteristics (electromagnetic wiring)

Voltage	Frequency	IP	Insulation class	Cos Φ	Oper. Temp. °C
230V	50Hz	66	CL II  CL I \pm (on request)	> 0.9	-30... +40

Electrical characteristics (electronic wiring)

Voltage	Frequency	IP	Insulation class	Cos Φ	Oper. Temp. °C
208-277V	50/60Hz	66	CL II  CL I \pm (on request)	> 0.9	-30... +50

Conformity

	2014/35/UE (LVD)	2014/30/UE (EMC)	2011/65/UE (RoHS)	(ErP)
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Mounting system

- Suitable for post-top mounting.
- Flange with a hole (28 mm) at the centre for mounting to the support.

Materials

- Die-cast and extruded in aluminum (UNI EN 1706).
- Galvanized steel sheet.
- Tempered glass.
- Screws in stainless steel and brass.

Structure - Main components

- Upper tilting frame with square shape in die-cast aluminum, for access to the auxiliary and optical compartment. The frame is hinged to the lower frame and is equipped with a small knobs for opening.
- Lower frame with square shape in cast aluminum, composed by a basket with four curved vertical arms, and a support element with four-arms and flange with a hole (\varnothing 28 mm) for mounting on the support.
- Wiring plate in galvanized steel sheet easily removable.
- Gasket between frame upper and lower.
- Screen flat tempered glass, transparent or frosted. Shock resistance: IK08 (EN 62262).

Optics

- Reflector mod. 1 - street lighting - Installation on the side of street.
- Reflector mod. 9 - Asymmetric for cycle-pedestrian lighting. Installation on the side of street.

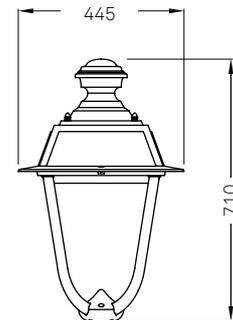
Operations and maintenance

- To opening the light fixture and access to the lamp, wiring and optic compartment, loosen the a small knob on cover and rotate the upper frame.
- Automatic electrical disconnecter when opening.
- During maintenance operations, no part or component is detached from the structure.
- Electric auxiliaries individually replaceable.
- During installation, follow the instructions for the correct optic orientation on the support.
- Periodic maintenance (about once a year) for external cleaning of the structure and screen from dust and smog, and the control of fastening of all screws, must be performed with light fixture switched off and cold.

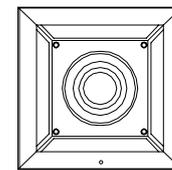
Painting

- Standard color is metalized matt dark gray, type Neri.
- Other colours of RAL range on request.
- Information about paint steps used on this product in specific technical sheet.

DRAWINGS AND TECHNICAL INFORMATIONS



Front view



Plan view



Details

Code construction

To configure the complete code of luminaire, add in sequence after **Serie** code, the others parts of code: Ballast-screen (**SSS**) + Optic (**X**) + Lamp predisposition (**YY**) + Wiring type (**ZZ**). See configurations tables on the following page.

CONFIGURATION WITH ELECTROMAGNETIC WIRINGS

Screens

Cod. SSS	Light fixture series	Materials	Finiture	Shock R.
A21	804	Tempered glass	Transparent	IK08

Optics

Cod. X	Type	Lighting classes	Classe IES
1	mod.1 - Fixed	Street lighting.	Full cut-off
9	mod.9 - Fixed	Cycle-pedestrian - mixed area lighting	Full cut-off

- Reflector in aluminum sheet pressed, polished and oxidized (thickness 1 mm, purity 99.9%).
- Lampholder regulable for a optimal positioning of lamp.
- Height of installation: from 3.5 to 5.5 meters.

Wirings (Predisposition for lamps with optical and socket)

Cod. YY	Lamps predisposition	W	Optics	Sockets
32	(MT) Metal halide - (ST) Sodium H.P.	70	1 9	E27
33	(MT) Metal halide - (ST) Sodium H.P.	100	1 9	E40
35	(MT) Metal halide - (ST) Sodium H.P.	150	1 9	E40

- Electromagnetic ballast with high efficiency (CELMA class EEI=A3), with thermal protection.
- Electronic ignitor (pulses until to 4.5 kV).
- Power factor correction capacitor.
- Ceramic lamp holders in relation to the type of lamp.
- Electric components on wiring plate easily removable.
- Automatic disconnecter when opening.
- Terminal board for cables with max section of 2,5 mm².

Wirings (Characteristics)

Cod. ZZ	Details
14	Insulation class CL II □ - Fuse 250V-T6.3A (5 x 20 mm) - Aut. disconnecter

Note

- Use lamps with efficiency \geq di 90 lm/W.
- The lamps are not included in the wiring.
- On request can be realized other wiring configurations.

CONFIGURATION WITH ELECTRONIC WIRINGS

Screens

Cod. SSS	Light fixture series	Materials	Finiture	Shock R.
E21	804	Tempered glass	Transparent	IK08

Optics

Cod. X	Type	Lighting classes	Classe IES
1	mod.1 - Fixed	Street lighting.	Full cut-off
9	mod.9 - Fixed	Cycle-pedestrian - mixed area lighting	Full cut-off

- Reflector in aluminum sheet pressed, polished and oxidized (thickness 1 mm, purity 99.9%).
- Lampholder regulable for a optimal positioning of lamp.
- Height of installation: from 3.5 to 5.5 meters.

Wirings (Predisposition for lamps with optical and socket)

Cod. YY	Lamps predisposition	W	Optics	Sockets
C4	CPO-TT (Philips)	60	1 9	E27
C5	CPO-TT (Philips)	90	1 9	E40
C6	CPO-TT (Philips)	140	1 9	E40
D4	(ST) Sodium H.P.	70	1 9	E27
D5	(ST) Sodium H.P.	100	1 9	E40
D6	(ST) Sodium H.P.	150	1 9	E40

- Programmable electronic ballast with auto self diagnostics functions, protected against short circuit, over-temperature and over-voltages up to 10 kV (EN61547).
- Estimated life B10 a 80.000 h.
- Ceramic lamp holders in relation to the type of lamp.
- Electric components on wiring plate easily removable.
- Automatic disconnecter when opening.
- Terminal board for cables with max section of 2,5 mm².

Function of electronic ballast

Cod. ZZ	Details
06	DALI - NCL (Neri Costant lumen)
13	NVL6H (automatic control integrated for lighting flux reduction) - 30% for 6 hours

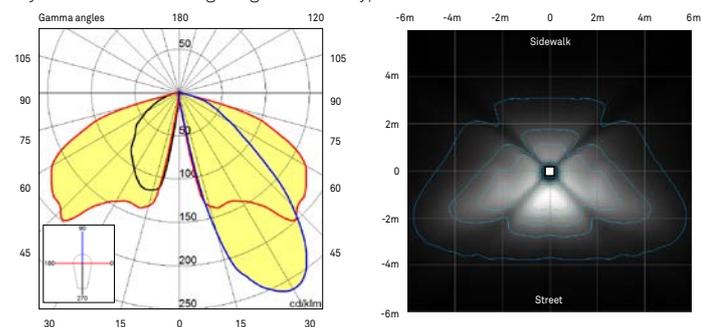
Note

- Use lamps with efficiency \geq di 90 lm/W.
- The lamps are not included in the wiring.
- On request can be realized other wiring configurations.

PHOTOMETRY OF REFERENCE

Reflector mod. 1 - Transparent screen.

Asymmetric for street lighting - Cut off - Type III



Reflector mod. 9 - Transparent screen.

Asymmetric for cycle-pedestrian and mixed area lighting - Cut off - Type II Short

