

DESCRIPTION

Dimensions - Area exposed to wind pressure - Weight

Height	Width	Length	Diameter	Area exposed to wind (S)	Weight ^(A)	Weight ^(B)
740 mm			550 mm	0.158 m ²	13.8 Kg	11.8 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 \square CL I \perp (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 \square CL I \perp (on request)	> 0.9	-30... +50

Conformity

CE	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

- Sheet in aluminum.
- Die-cast aluminum (UNI EN 1706).
- Hot galvanized steel tube (UNI EN ISO 1461) and galvanized steel sheet.
- Acrylic screen (PMMA).
- Stainless steel screws.

Structure - Main components

- Upper tilting frame for access to optical and wiring compartment, composed by a bell in die-cast aluminum and a visor in sheet aluminum with two small knobs for opening.
- Lower frame composed by a circular element in die-cast aluminum for the support of the reflector and screen, and a element with two arms in hot galvanized steel predisposed with a hole (28 mm) for mounting on the support.
- Wiring plate in galvanized steel sheet, easily removable.
- Neoprene gasket between upper and lower frame.
- Screen hemisphere shape in acrylic (PMMA) transparent or frosted finish.
- Shock resistance IK06.

Optics

- Reflector mod. 1 - street lighting - Installation on the side of street.
- Reflector mod. 9 - pedestrian-cycle path and mixed areas lighting.
- Installation on the side of street.

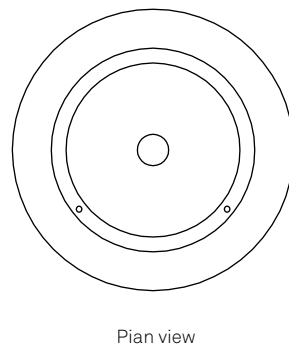
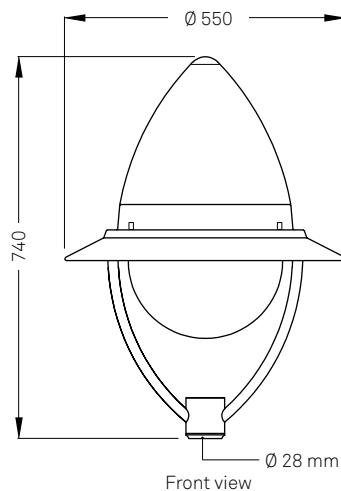
Operations and maintenance

- To opening the light fixture and access to wiring and optic compartment, loosen the two small knobs on cover and rotate it.
- To replace the lamp, rotate the support of lampholder on the reflector and pull out.
- During maintenance operations, no part or component is detached from the structure.
- 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.
- The ring for support of reflector and screen is white color.
- Other colours of RAL range on request.
- Information about paint steps used on this product in specific technical sheet.

DRAWINGS AND TECHNICAL INFORMATIONS



Example with screen frosted finish

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.
A09	310-311-312	Acrylic (PMMA)	Frosted	IK06
A11	310-311-312	Acrylic (PMMA)	Transparent	IK06
A41	311 (only with wiring 35)	Polycarbonate (PC)	Frosted	IK10
A42	311 (only with wiring 35)	Polycarbonate (PC)	Transparent	IK10

Optics

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

- Reflectors pressed in aluminum sheet, polished and oxidized. (thickness 1 mm - purity 99.90%).
- 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.

Wirings (Characteristics)

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

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.
E09	210-211-212	Acrylic (PMMA)	Frosted	IK06
E11	210-211-212	Acrylic (PMMA)	Transparent	IK06
E41	211 (only with wiring C6-D6)	Polycarbonate (PC)	Frosted	IK10
E42	211 (only with wiring C6-D6)	Polycarbonate (PC)	Transparent	IK10

Optics

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

- Reflector in sheet aluminum, polished and oxidized. (thickness 1 mm, purity 99.90%).
- 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.

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

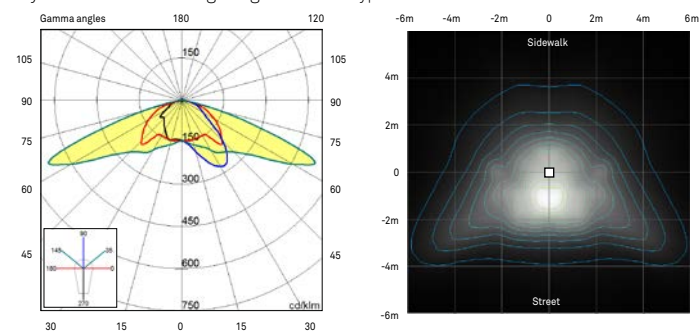
Note

- 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 pedestrian/cycle path and mixed area lighting - Cut off - Type II Short

