

DESCRIPTION

Compliance

- This lantern carries the ENEC Mark.
- In compliance with EN 60598-1; EN 60598-2-3; EN 62031; EN 55015 EMC; EN 61547 EMC; EN 62471



Dimensions - Area - Weight

Height	Width	Length	Diameter	Area exposed to wind (S)	Weight
770 mm	445 mm	445 mm		0.10 m ²	13.8 Kg

Electrical characteristics

Voltage	Frequency	P. Rating IP	Insulation class	Cos φ	Operative Temp.
230V ± 5%	50-60 Hz	66	CL II	> 0.9	-30°C...+40°C

Connection

- Thread tube G 3/4" (UNI 338 - ISO 228/1 BSP/G).
- Suitable for suspended mounting.

Materials

- Die-cast and extruded aluminum (UNI EN 1706).
- Screen in flat tempered transparent glass.
- Stainless steel fasteners.

Structure - Main components

- Upper frame with square shaped plant, hinged to the lower frame, with threaded coupling G 3/4" for fixing and cable gland (PG16) inside.
- Bottom frame tilting, composed by a square element; four arms in extruded aluminum with a flange and decorative element in die-cast aluminum.
- Wiring plate easily removable.
- Gasket between the upper and bottom frames.
- Screen in flat tempered transparent glass. Impact resistance IK08.

Optics

- Reflector mod. 31 - Road and mixed areas.
- Reflector mod. 32 - Pedestrian, cycle path and mixed areas.

Electrical auxiliaries

- Programmable electronic power supply for LED module.
- Automatic disconnector switch when opening.
- Terminals for wires with a max. section of 2,5 mm².

Operations and maintenance

- To access the optical and wiring compartment, unscrew a screw on upper frame and rotate the bottom frame.
- Automatic disconnector switch when opening.
- Separate electronic driver from LED module, individually replaceable.
- During installation, follow the instructions for the correct orientation on the support.
- Periodic maintenance for the external cleaning of the structure and the screens from dust and smog (the operations must be performed with the line power off and with luminaire cold).

Painting

- Standard color is dark gray, type Neri.
- Information about paint steps used on this product in specific technical sheet.

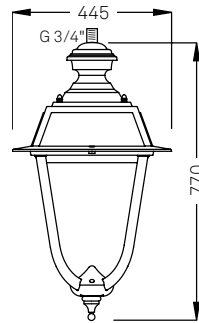
Code construction

- To create the complete code of the configuration, insert sequential parts of the code on the configuration of the optics (XX), LED modules (YYY) and functions of the power supply (ZZ). Example: **SN804L31 1F4 02**

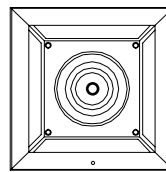
Note

- Classe I insulation (in this case the product code is to be requested).

DRAWINGS AND TECHNICAL INFORMATIONS



Front - side



Plan view



LED module - Philips Fortimo LLM



DESCRIPTION

Optics

Cod. XX	Type	Lighting class	Class IES
31	Reflector	Road and mixed areas - Road side installation - type III short	Cut-off
32	Reflector	Pedestrian, cycle path and mixed areas Road side installation - type III short	Cut-off

- Reflector in sheet aluminum anodized.
- Screen in tempered transparent flat glass. Impact resistance IK08.
- Height of installation: from 3.5 to 6.0 meters.

LED Module

3000K				
Cod. YYY	Num. of LEDs	lm	W	lm/W
1F3	Philips LLM Fortimo	3.000	30	86
1F4	Philips LLM Fortimo	4.500	44	88

4000K				
Cod. YYY	Num. of LEDs	lm	W	lm/W
3F3	Philips LLM Fortimo	3.000	28	92
3F4	Philips LLM Fortimo	4.500	40	96

- The energetic values in the table are referred to the complete system.
- LED module: Philips LLM Fortimo.
- Estimated life: 80.000 h (L85 - Ta 25°C).
- Colour Rendering Index: CRI > 70
- Minimum efficiency of individual LEDs: > of 100 lm/W
- No photobiological risk (IEC/TR 62778).

Power supply - characteristics and functions

Cod. ZZ	Functions
01	1-10V (Analogic control)
13	NVL6H (autodimming -30% x 6h)

- Programmable electronic power supply with auto self diagnostics functions.
- Protected against short circuit, over-temperature and over-voltages up to 6 kV.
- Estimated life: B10 a 100.000 h.

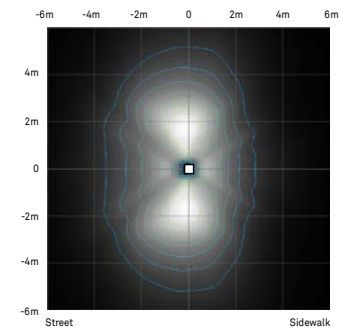
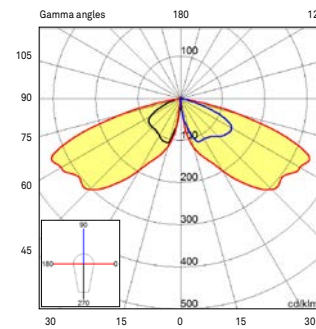
Code construction

- To create the configuration code, insert sequential parts of the code of the optical configuration (XX) + LED module (YYY) + power supply functions (ZZ), to be added to the base code of the light fixture.

PHOTOMETRIC CURVES

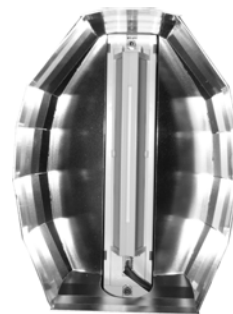
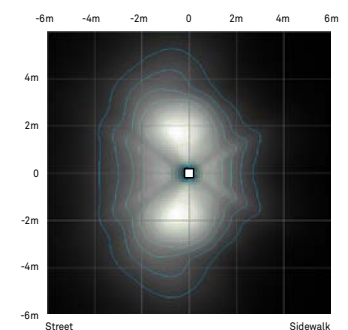
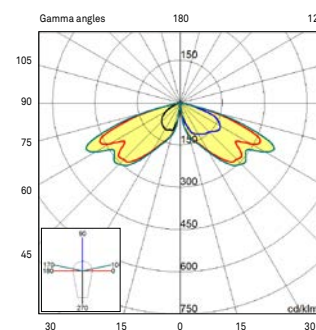
Optic mod. 31 (type III short)

Road and mixed area - Road side installation



Optic mod. 32 (type III short)

Mixed area and Cycle path - Road side installation



31



32