

DESCRIPTION

Compliance

- 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		0.102 m ²	9.2Kg

Electrical characteristics

Voltage	Frequency	P. Rating IP	CL II	CL I	Cos φ	Operative Temp.
220-240V	50-60 Hz	66	●	○	> 0.9	-30°C...+40°C

Connection

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

Materials

- Die-cast and extruded aluminum (UNI EN 1706).
- Sheet aluminum.
- Stainless steel fasteners.

Structure - Main components

- Upper frame with square shaped plant, hinged to the lower frame, equipped of a threaded tube G 3/4" for suspended mounting.
- Tilting bottom frame composed of a square element, four arms in extruded aluminum and a flange in die-cast aluminum with a cover and decorative element.
- Silicone gasket between the upper and lower frames.

Electrical auxiliaries

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

Operations and maintenance

- To opening the light fixture and access to wiring and optic compartment unscrew a screw on the upper frame and rotate the bottom frame.
- Automatic disconnecter 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.

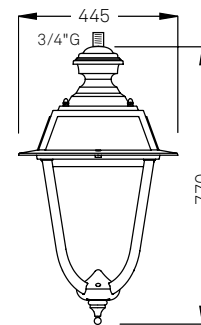
Symbols

- ● : standard characteristics
- ○ : On request characteristics

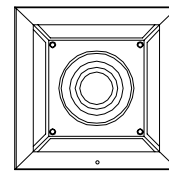
Code construction

- 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: **SN804L02 3C3 02**
- Classe I of insulation (in this case the product code is to be requested).

DRAWINGS AND TECHNICAL INFORMATIONS



Side



Plan view



DESCRIPTION

Optics

Cod. XX	Illumination class	LOR	IES Class
18	Rotosymmetrical (type V)	89%	Full Cutoff
19	Roadways – Center road installation (type I)	93%	Full Cutoff
20	Roadways – Side road installation (type II)	91%	Full Cutoff
21	Roadways – Side road installation (type III)	91%	Full Cutoff
23	Pedestrian crossing	90%	Full Cutoff

- LOR: optical efficiency appliance due to the physical shielding.
- Refractive modular lens 2x2 in PMMA.
- High efficiency plastic reflector reducing glare.
- Minimum installation height: 2.75 meters.
- Max installation height: over 15 meters.

LED Modules - 3000K

Cod. YYY	lm	W	lm/W
1C0	2.500	23	110
1C1	3.500	33	108
1C2	4.500	39	114
1C3	6.000	55	108

LED Modules - 4000K

Cod. YYY	lm	W	lm/W
3C0	2.500	21	122
3C1	3.500	29	120
3C2	4.500	35	128
3C3	6.000	49	123

- The energetic values in the table are referred to the complete system.
- Power LEDs module on printed circuit board with metal core plate.
- NTC sensor on LED plate for control of dangerous temperatures.
- Internal heatsink in extruded aluminum.
- Estimated life: 100.000 h (L85 – Ta 25°C).
- CRI: Ra >70
- LED efficiency: > di 100 lm/W.
- Photobiological risk IEC/TR 62778: distance of 150 cm limit, between the passage from risk class 1 to the risk class 2.

Power supply - characteristics and functions

Cod. ZZ	Function
02	1-10V + NCL (Analogic control + Neri constant lumen)
04	AmpDim + NCL (Flux regulator + Neri constant lumen)
06	DALI + NCL (Digital control + Neri constant lumen)
14	NVL6H + NCL (autodimming -30% x 6h + Neri constant lumen)

- Programmable electronic power supply with auto self diagnostics functions.
- Short-circuit and overtemperature protection.
- Overvoltage protection differential / common mode (phase / neutral, short circuit and housing) up to 6kV/10kV.
- Estimated life B10 at 100.000 h.

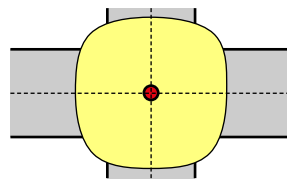
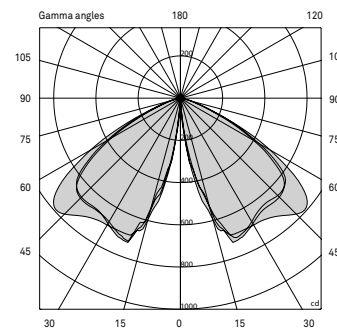
Code construction

- 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

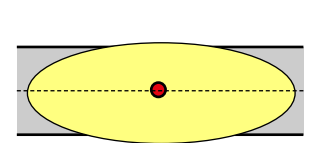
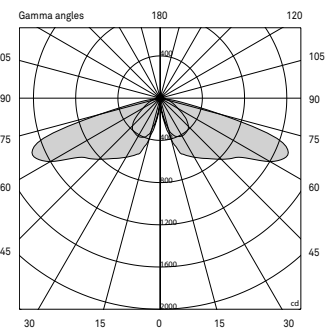
Optic mod. 18 (type V)

Rotosymmetrical



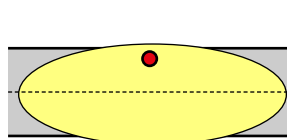
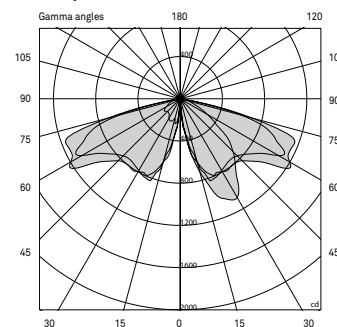
Optic mod. 19 (type I)

Roadways – Center road installation



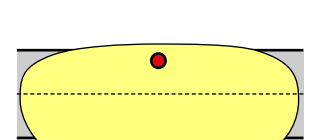
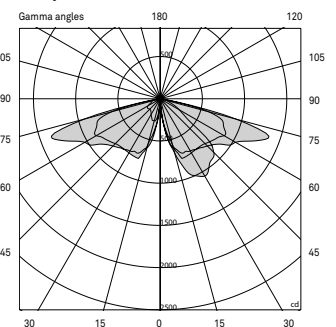
Optic mod. 20 (type II)

Roadways – Side road installation



Optic mod. 21 (type III)

Roadways – Side road installation



Optic mod. 23

Pedestrian crossing

