

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 |
|--------|-------|--------|----------|--------------------------|---------|
| 700 mm | | | 470 mm | 0.216 m ² | 12.5 Kg |

Electrical characteristics

| Voltage | Frequency | P. Rating IP | CL II | CL I | Cos φ | Operative Temp. |
|----------|-----------|--------------|-------|------|-------|-----------------|
| 120-277V | 50-60 Hz | 43 | ● | ○ | > 0.9 | -30°C...+40°C |

Connection

- Flange with a hole diam. 28 mm, on bottom frame.
- Suitable for head post.

Materials

- Die-cast and sheet aluminum (UNI EN 1706).
- Acrylic frosted transparent screen.
- Stainless steel fasteners.

Structure - Main components

- Upper tilting frame with circular shaped plant with a decorative pineapple, hinged to the lower frame.
- Bottom frame composed by a ring, three curved uprights decorated, fixed to an element of base with a hole (28 mm) for fixing to support. Electric cable inside at a curved upright.
- Screen in a single piece made in acrylic (PMMA) frosted transparent. Shock resistance: IK06 (EN 62262).

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 two screws on the upper frame and rotate it.
- 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.

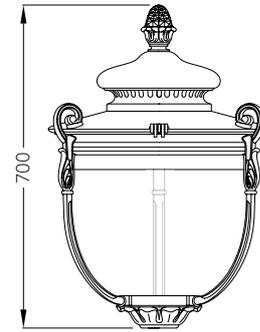
Symbols

- ● : standard characteristics
- ○ : On request characteristics

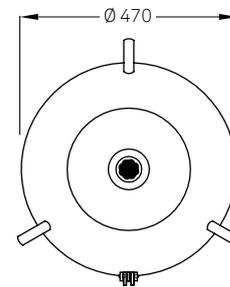
Code construction

- 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: **PN500L02 1P4 02**
- Classe I of insulation (in this case the product code is to be requested).

DRAWINGS AND TECHNICAL INFORMATIONS



Front view



Plan view



DESCRIPTION

Optics

| Cod. XX | Type | Lighting class | Class IES |
|---------|-----------------|---------------------------------------|-----------|
| 02 | Refractive lens | C/P - road lighting and mixed areas | Cutoff |
| 06 | Refractive lens | C/P - rotosymmetrical for mixed areas | Cutoff |

- Refractive lens in polycarbonate, UV resistant. Shock resistance: IK10.
- Protection rating optic compartment: IP66.
- Height of installation: from 3.5 to 5.5 meters.

LED Module

| 3000K | | lm | W | lm/W |
|----------|---|-------|----|------|
| Cod. YYY | | | | |
| 1P2 | ○ | 2.500 | 27 | 80 |
| 1P4 | ● | 3.500 | 39 | 77 |
| 1P6 | ● | 4.500 | 53 | 73 |

| 4000K | | lm | W | lm/W |
|----------|---|-------|----|------|
| Cod. YYY | | | | |
| 3P2 | ○ | 2.500 | 26 | 83 |
| 3P4 | ○ | 3.500 | 36 | 84 |
| 3P6 | ○ | 4.500 | 48 | 81 |

- 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.
- Estimated life: 100.000 h (L80 - Ta 25°C).
- Colour Rendering Index: CRI > 70
- Minimum efficiency of individual LEDs: > of 100 lm/W
- No photobiological risk at distance: > 1.6 meters (EN 62471).

Power supply - characteristics and functions

| Cod. ZZ | Functions |
|---------|-------------------------------------------------------------|
| 02 | ● 1-10V + NCL (Analogic control + 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.
- Protected against short circuit, over-temperature and over-voltages up to 4 kV.
- Estimated life B10 a 80.000 h.

Symbols

- ● : standard characteristics
- ○ : On request characteristics

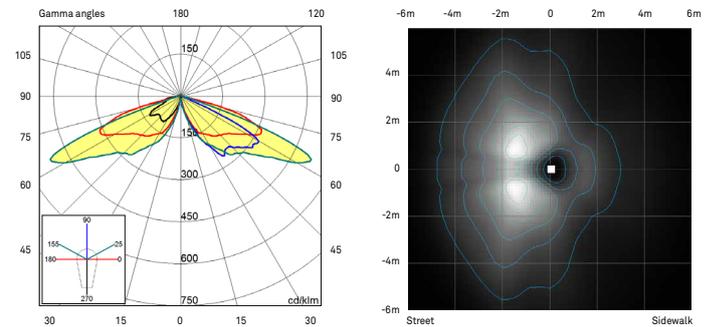
Code construction

- 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. 02 with screens in PMMA frosted transparent.

Road and mixed area - Lighting classes C/P - Cutoff



Optic mod. 06 with screens in PMMA frosted transparent.

Rotosymmetrical for mixed area - Lighting classes C/P - Cutoff

