

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
520 mm	460 mm	825 mm		0.110 m ²	25Kg

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 side mounting inclined of 30°.
- Connection in insertion on tube Ø 60 mm.

Materials

- Cast aluminum (UNI EN 1706).
- Tempered transparent flat screen glass.
- Screws in stainless steel.

Structure - Main components

- Upper tilting frame for access to the auxiliary and optical compartment.
- Bottom frame cast in a single piece, composed of 4 arms and a connection for tube with diam. 60 mm, angled of 30°. Fixing with 3 screws.
- Tempered transparent flat screen glass (thickness 4 mm), shock resistance IK08.
- Gasket between the upper and bottom frames.

Electrical auxiliaries

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

Operations and maintenance

- To open the cover of light fixture, unscrew four screws on the cover, and lift it.
- Separate electronic driver from LED module, individually replaceable.
- 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).

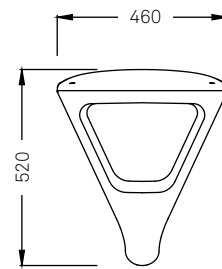
Painting

- Standard color RAL 9005 matt black.
- Information about paint steps used on this product in specific technical sheet.

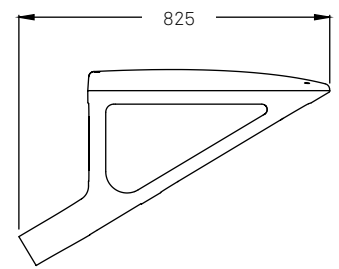
Code construction

- 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: **MNALYL06 1A2 02**
- Classe I of insulation (in this case the product code is to be requested).

DRAWINGS AND TECHNICAL INFORMATIONS



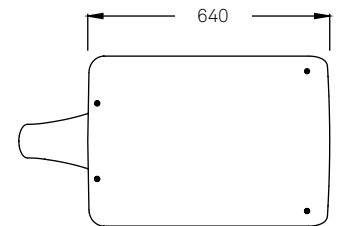
Front



Side



3D View



Plan



DESCRIPTION

Optics

Cod. XX	Type	Lighting class	Class IES
17	Refractive lens	Type IV geometry (Street or mixed areas lighting)	Full cut off
18	Refractive lens	Type V geometry (Mixed areas lighting)	Full cut off
20	Refractive lens	Type II geometry (Street lighting)	Full cut off
21	Refractive lens	Type III geometry (Street lighting)	Full cut off
22	Refractive lens	Type III geometry (Street lighting)	Full cut off
23	Refractive lens	Pedestrian crossing	Full cut off

- Refractive lens in PMMA UV resistant.
- High efficiency reflector in plastic material for flux recovery and glare reduction.
- Tempered transparent flat glass scree, shock resistance: IK08.
- Height of installation: from 4.5 to 8.0 meters.

LED Modules - 3000K

Cod. ZZ	lm	W	lm/W
1A0	3.500	43	81
1A1	4.500	59	76
1A2	5.000	68	73
1A3	6.000	78	77

LED Modules - 4000K

Cod. ZZ	lm	W	lm/W
3A0	3.500	43	81
3A1	4.500	59	76
3A2	5.000	68	73
3A3	6.000	78	77

- 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 (L85 - Ta 25°C).
- Colour Rendering Index: CRI > 70
- Efficiency of individual LEDs: > di 100 lm/W
- Photobiological risk: RG1/RG2 > 3.0 meters (IEC/TR62778).

Power supply - characteristics and functions

Cod. ZZ	Functions
02	1-10V + NCL (Analogic control + Neri costant lumen)
06	DALI + NCL (Digital control + Neri costant lumen)
14	NVL6H + NCL (autodimming -30% x 6h + Neri costant lumen)

- Programmable electronic power supply with auto self diagnostics functions.
- Protected against short circuit, over-temperature and over-voltages, until 6kV/8kV.
- Estimated life B10 a 100.000 h.
- Power supply voltage: 230V
- Frequency: 50-60 Hz
- $\cos\phi > 0,9$

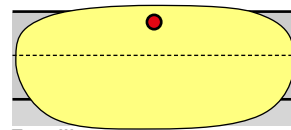
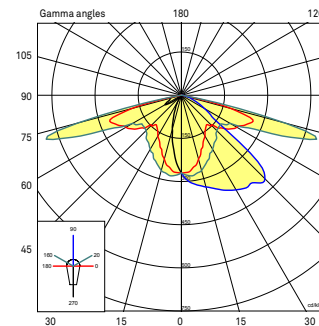
Code construction

- 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. 22 (type III)

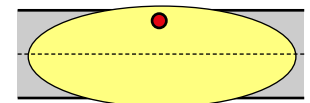
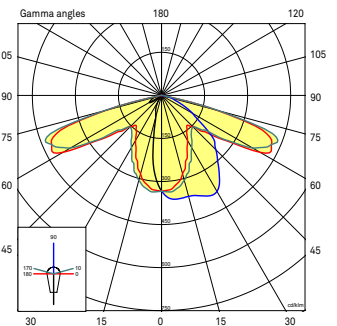
Street lighting + Sidewalk - Road side installation



Type III

Optic mod. 20 (type II)

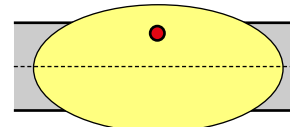
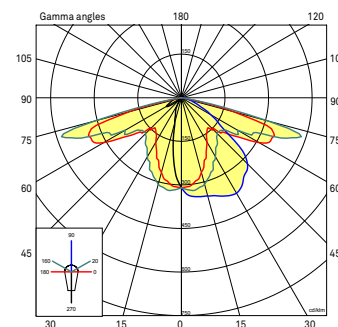
Street lighting - Road side installation



Type II

Optic mod. 21 (type III)

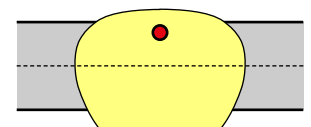
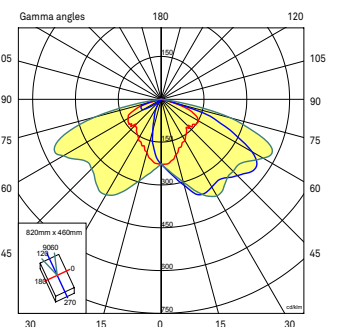
Street lighting - Road side installation



Type III

Optic mod. 17 (type IV)

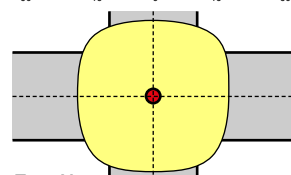
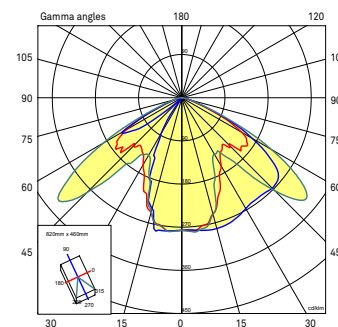
Street lighting/mixed areas - Road side installation



Type IV

Optic mod. 18 (type V)

Mixed area lighting - Road center installation



Type V

Optic mod. 23

Pedestrian crossing - Side installation

