

## DESCRIPTION

### Compliance

- In compliance with EN 60598-1, EN 60598-2-3, EN 62031, EN 61347, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547, UL 1598.



### Dimensions - Area - Weight

Height	Width	Length	Weight	IP	IK	Area exposed to wind
580mm	Ø365mm	Ø365mm	10,5Kg	65	08	0,210 m <sup>2</sup>

### Electrical characteristics

Voltage	Frequency	Cos φ	Isolation class	Operative Temp.
120-277V	50-60Hz	>0,9	CL II □	-25°C / +35°C

- Classe I of insulation (on request).

### Connection

- Quick coupling in brass with threaded tube G 3/4" (ISO228/1-BSP/G).

### Materials

- Die-cast aluminum (UNI EN 1706).
- Aluminum sheet and extrusion.
- Brass.
- Polycarbonate (PC).
- Prismatic flat glass.
- Stainless steel fasteners.

### Structure - Main components

- Upper cylindrical frame in die-cast aluminum with quick brass connection and G3 / 4 "threaded tube for fixing to the support, complete with internal cable gland
- Side clips for fixing the screen without screws.
- Gasket in silicone between the upper and bottom frames.
- Cylindrical screen in polycarbonate (PC) with glass bottom.
- Internal tilting frame made of anodized aluminum sheet that can be opened by clips to access the auxiliary compartment, made up of a wiring plate, a half-sphere with reflector inside and a connecting pipe.

### Electrical auxiliaries

- Power cable entry with PG16 cable gland.
- Terminals for wires with a max. section of 2,5 mm<sup>2</sup>.

### Operazioni - Manutenzione

- Opening the luminaire without the use of tools.
- To access the optical and wiring compartment, loosen the two screws, rotate and lower the bottom frame. The bottom frame remains suspended by the safety cable.
- Wiring with fully replaceable parts (Module, LED, Driver).
- 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).- Please refer to product installation and maintenance manual.
- It is responsibility of the installer the correct installation and electric connection in accordance with applicable regulations.

### Painting

- Standard color: Neri Gray.
- Information about paint steps used on this product in specific technical sheet.

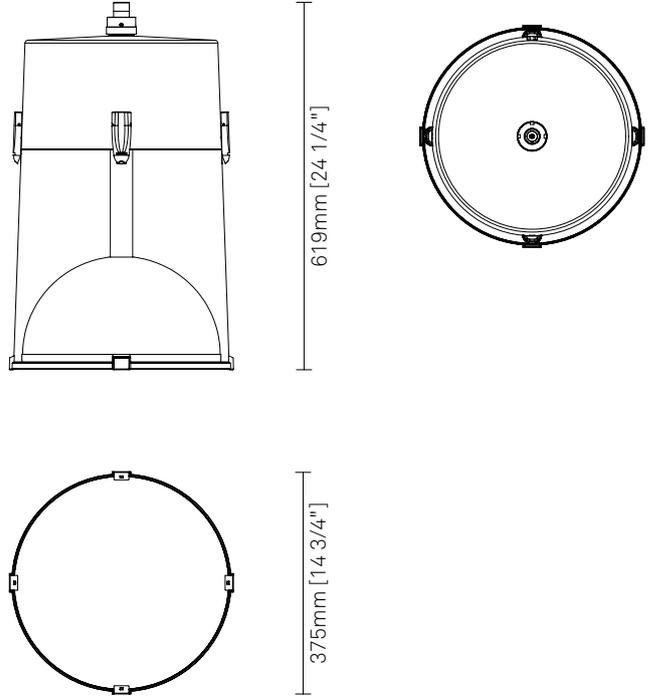
### Code construction

To create the complete code of the configuration, insert sequential parts of the code on the configuration of the:

- xx - Optic
- yyy - Luminous flux
- zz - Driver

Example: SN020L xx yyy zz → SN020L181C102

## DRAWINGS



## DESCRIPTION

### Optic

Cod. XX	Lighting distribution	Glass	LOR	IES Class
20	Type II	Prismatic	100%	Cutoff
21	Type III	Prismatic	100%	Cutoff
24	Type IV	Prismatic	100%	Cutoff
28	Type I	Prismatic	100%	Cutoff
30	Type V	Prismatic	100%	Full-Cutoff

- LOR: optical efficiency appliance due to the physical shielding.
- Refractive modular lens 2x2 in PMMA.
- High efficiency reflector in pre-anodized aluminum for flux recovery and glare reduction.
- Minimum height installation: 2.5m.
- Max installation height: until 8m.

### Luminous flux

3000K		System*		LED module		
Cod. YYY	lm	W	lm/W	n.LED	mA	W
1CA	1500	12	121	16	228	10
1CO	2500	21	119	16	388	17
1C1	3500	30	115	16	566	26
1C2	4500	38	120	24	475	32
1C3	6000	49	121	32	475	43
1C4	7500	63	119	32	614	56

### Luminous flux

4000K		System*		LED module		
Cod. YYY	lm	W	lm/W	n.LED	mA	W
3CA	1500	12	128	16	217	9
3CO	2500	20	123	16	377	17
3C1	3500	29	119	16	552	25
3C2	4500	36	124	24	463	31
3C3	6000	48	125	32	463	42
3C4	7500	61	123	32	598	54

- \* The energetic values in the table are referred to the complete system.
- Power LEDs module on printed circuit board with metal core plate.
  - Type LED: Nichia
  - Internal heatsink in extruded aluminum.
  - NTC sensor on LED plate for control of dangerous temperatures.
  - Estimated life (EN 62722-2-1, LM80 data): L80B10 120.000h
  - Colour Rendering Index: Ra > 70.
  - Photobiological risk (IEC/TR 62778): class RG1 to class RG2 at 181cm from source.

### Driver

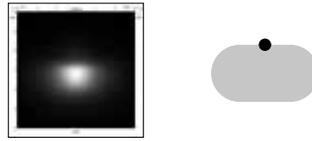
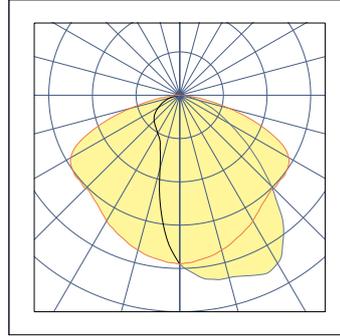
#### Cod. ZZ Driver functions

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

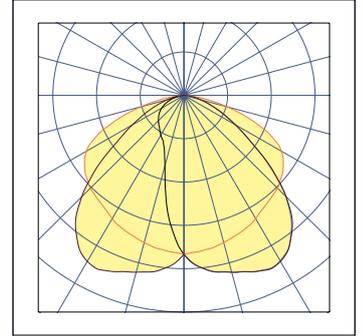
- Programmable electronic power supply with auto self diagnostics functions.
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II) and 10kV/10kV (CL I, CL II) in presence of additional protections (on demand).
- Estimated life B10 at 100,000 h.

## PHOTOMETRIC CURVES

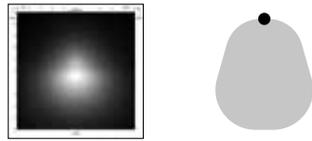
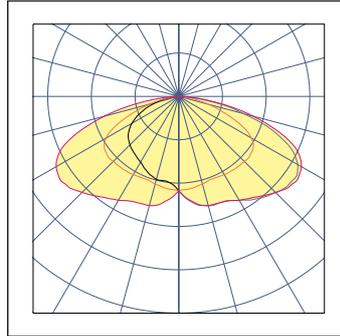
### Type II (NLG 20)



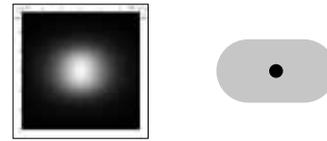
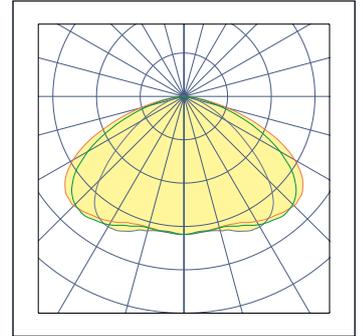
### Type III (NLG 21)



### Type IV (NLG 24)



### Type I (NLG 28)



### Type V (NLG 30)

