NERI

Light Chara
Cod. **SN020L** xx yyy zz

Fixing: Suspended
Source: LED-P

Technical sheet
Rev. 02 - 2018/12/13

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	Lenght	Weight	IP	IK	Area exposed to wind (S)
580mm	365mm	365mm	10,5Kg	65	08	0,210 m^2

Electrical characteristics

Voltage	Frequency	Cos φ	Isolation class	Operative Temp.
120V-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.
- Polymethyl methacrylate (PMMA).
- 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 polymethyl methacrylate (PMMA) 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.

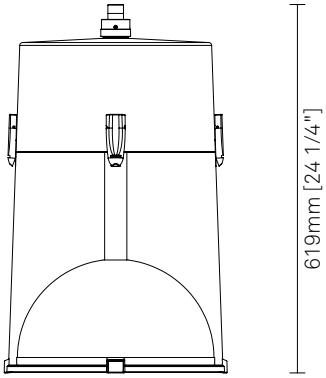
Electrical auxiliaries
- Power cable entry with PG16 cable gland.
- Terminals for wires with a max. section of 2,5 mm^2.

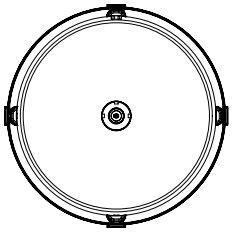
Operations and maintenance
- Opening the luminaire without the use of tools.
- To access the optical and wiring compartment, loosen the two screws, rotate and lower the bottom frame. The bottom frame remains suspended by the safety cable.
- Wiring with fully replaceable parts (Module, LED, Driver).
- 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).

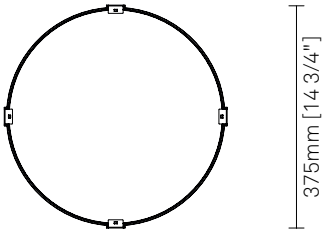
Painting
- Standard color: Neri Gray.
- Information about paint steps used on this product in specific technical sheet.

Code costruction
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







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Light Chara

Cod. **SN020L** xx yyy zz

Category: Performance

Optics: 17-18-19-20-21

Technical sheet

Rev. 02 - 2018/12/13

DESCRIPTION

Optic

Cod. XX	Lighting distribution	LOR	IES Class
18	Type V	100%	Cutoff
24	Type IV	92%	Cutoff
25	Type III	94%	Semi Cutoff
28	Type I	100%	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 installation height: 3m.
- Max installation height: until 8m.

Luminous flux

3000K	System*			LED module		
Cod. YYY	lm	W	lm/W	n.LED	mA	W
1C1	3500	27	130	32	310	23
1C2	4500	35	129	32	350	31
1C3	6000	47	128	32	470	42
1C4	7500	60	125	32	600	54

Luminous flux

4000K	System*			LED module		
Cod. YYY	lm	W	lm/W	n.LED	mA	W
3C1	3500	26	135	32	250	22
3C2	4500	33	136	32	325	29
3C3	6000	45	133	32	450	40
3C4	7500	58	129	32	575	52

* 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: Cree XP-L
- Internal heatsink in extruded aluminum.
- NTC sensor on LED plate for control of dangerous temperatures.
- Estimated life (EN 62722-2-1, LM80 data): L90B10 100.000 h. Nominal flux reduction Ta= 35°C -2,5%
- Colour Rendering Index: Ra > 70.
- Photobiological risk (IEC/TR 62778): class RG1 to class RG2 at 181cm from source.

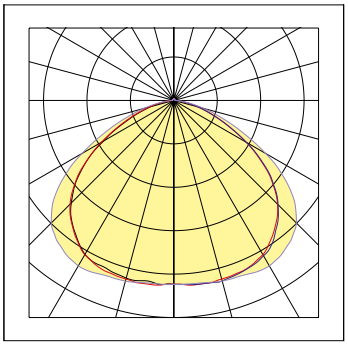
Driver

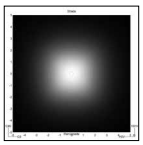
Cod. ZZ	Driver functions
02	1-10V + NCL (Analogic control + Neri costant lumen)
06	DALI + NCL (Digital control + Neri costant lumen)
14	NVL6H + NCL (autodimming -30% x 6h + Neri costant lumen)

- 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.

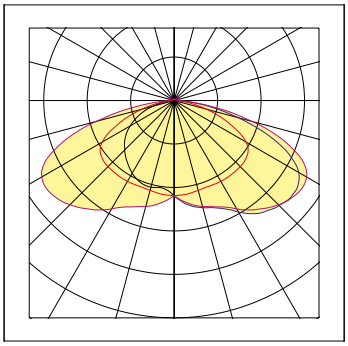
PHOTOMETRIC CURVES

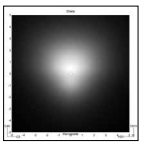
Type V (NLG 18)



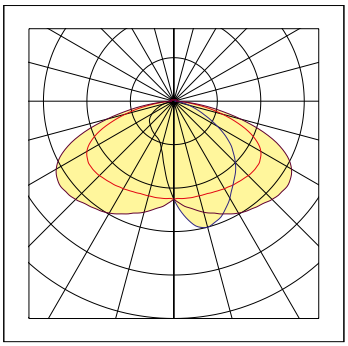


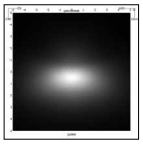
Type IV (NLG 24)





Type III (NLG 25)





Type I (NLG 28)