

# NERI

Light 103  
Cod. **SN103L**

Connection:  
Suspended

Technical sheet  
Rev. 00 - 2020/02/28

## DESCRIPTION

### Compliance

- ENEC safety mark (N. 02076).
- In compliance with EN 60598-1; EN 60598-2-3; EN 62031; EN 55015 EMC; EN 61547 EMC; EN 61000-3-2/3; IEC/TR 62778.



### Dimensions - Area - Weight

Height	Width	Length	Weight	IP	IK	Area exposed to wind
242mm	Ø420mm	Ø420mm	8kg	66	09	0,062 m <sup>2</sup>

### Electrical characteristics

Voltage	Frequency	Cos φ	Isolation class	Operative Temp.
220-240V	50-60Hz	>0,9	CL II	-35°C...+35°C

- Classe I of insulation (on request).

### Connection

- Suitable for suspended mounting.
- Threaded connection G 3/4".

### Materials

- Die-cast aluminium (UNI EN 1706)
- Extra-clear transparent silk screened flat glass.
- Stainless steel screws.
- Internal white reflector in PC

### Structure - Main components

- Circular cast aluminium upper frame with G 3/4" threaded fixing tube and internal PG16 cable gland.
- Lower circular frame in cast aluminium, which can be opened by means of a hinge to access the auxiliary and optical compartment.
- White PC internal reflector.
- Protective screen made of tempered glass, extra clear transparent flat with impact resistance IK 09 (EN 62262).
- Dedicated compartment to house any additional voltage arresters or remote control systems.

### Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100,000 h.
- Automatic disconnecter when opening.
- Terminal block for wires with max. section of 2.5mm<sup>2</sup>.
- 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).

### Operations and maintenance

- Periodic maintenance for the external cleaning of the structure and the screens from dust and smog and tightening control to the support.
- Refer to the product's installation and maintenance manual
- It is the installer's responsibility to ensure correct installation and electrical connection in accordance with the applicable standards.

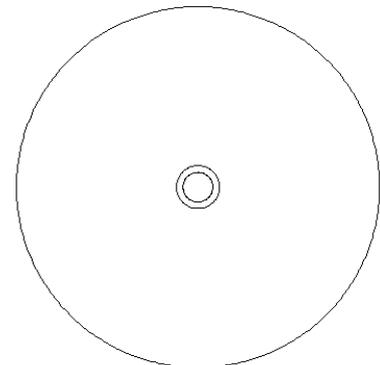
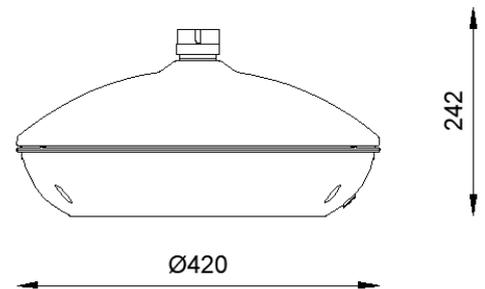
### Painting

- Powder coating.
- Monochrome version: light grey metallic matt Superdurable textured RAL 9006 colour.
- Bicolour version: upper cover in RAL 9006 light grey metallic matt colour and lower structure and bracket in metallic matt RAL 9005 Jet Black colour, both Superdurable textured

### Accessories

- Upper frame: standard colour Black Grey.
- Lower frame: white RAL 9016.

## DRAWINGS



## DESCRIPTION

### Optic

Cod. XX	Lighting distribution	Distribution type	LOR*	ULOR
20	Type II - A	Asymmetric	100%	0%
21	Type III - A	Asymmetric	100%	0%
24	Type IV - A	Asymmetric	100%	0%
28	Type I - A	Road Centre	100%	0%
30	Type V - A	Rotosymmetric	100%	0%

- \* optical efficiency of the device due to physical shielding.  
 - refractive lens in PMMA/PC.  
 - Wide range of optical lighting distributions (on request).  
 - Minimum height installation: 2.5m

3000/4000K		LED Module		
Cod. YYY	lm	W	lm/W	
110/310	2500	20	125	
111/311	3500	28	125	
112/312	4500	36	125	
113/313	6000	48	125	
114/314	7500	60	125	

- \* The energetic values in the table are referred to the LED + Power supply.  
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100000h  
 - Colour Rendering Index: Ra c 70  
 - Photobiological risk: (EN 62471): RG0 (Exempt Risk)  
 - Photobiological risk (IEC/TR 62778): Threshold distance between class RG1 and class RG2 at 1.9m from the source.

### Driver

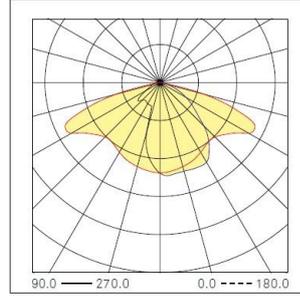
#### Cod. ZZ Driver functions

02 Standard Electronic Power Supply

## POLAR DIAGRAMS

### Type II - A

Luminous intensity class G\*4

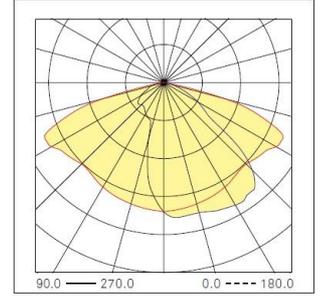


Flux code CIE				
N.1	N.2	N.3	N.4	N.5
41	74	96	100	100



### Type III - A

Luminous intensity class G\*3

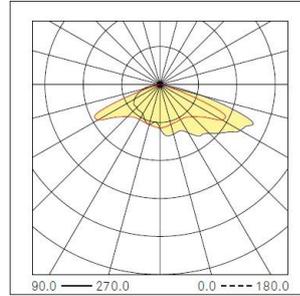


Flux code CIE				
N.1	N.2	N.3	N.4	N.5
41	75	97	100	100



### Type IV - A

Luminous intensity class G\*2

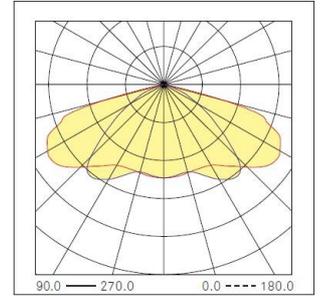


Flux code CIE				
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27	59	93	100	100



### Type I - A

Luminous intensity class G\*6

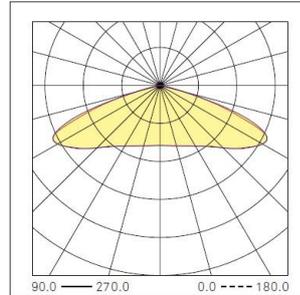


Flux code CIE				
N.1	N.2	N.3	N.4	N.5
38	78	98	100	100



### Type V - A

Luminous intensity class G\*4



Flux code CIE				
N.1	N.2	N.3	N.4	N.5
23	57	95	100	100

