

DESCRIPTION

Compliance

- ENEC safety mark.
- 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.



Mechanical information

Height	Width	Length	Weight	IP	IK
90 mm	187 mm	231 mm	2.5kg	66-67	09

Electrical characteristics

Voltage	Frequency	Cos ϕ	Operative Temp.
220-240V	50/60 Hz	> 0.9	-35°C...+55°C

- Wiring predisposition: for electrical insulation Class I or II (refer to the installation manual for the connection modes).

Connection

- Refitting kit is set up for fixing on a 1,5mm thick flat plate.
- For installation on third parties lanterns please contact us.

Materials

- Galvanized steel.
- Die-cast aluminium (UNI EN 1706).
- Extra clear transparent glass.
- Polycarbonate.
- Stainless steel fasteners.

Structure - Main components

- Integrated heat sink in cast aluminium.
- Shield in extra-clear tempered glass with impact resistance IK 09 (EN 62262)
- Frame for fixing the kit to the plate in polycarbonate.
- Osmotic valve to balance internal/external pressure.
- Possibility to install auxiliary devices comply to Zhaga Book 18*

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100,000 h.
- Input power cable with M16 cable gland (\varnothing 4-8mm).
- 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

- It is necessary to check in advance the state of the lighting fixture that will house the refitting kit and, if necessary, restore it.
- The refitting kit can be installed only by qualified personnel, responsible for the intervention.
- 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

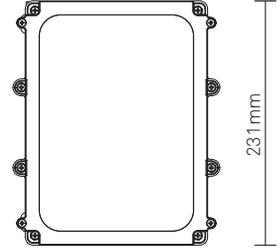
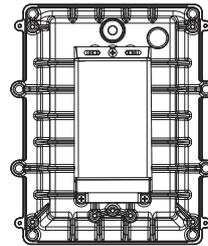
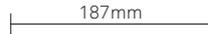
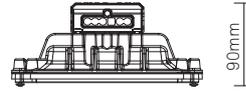
- Powder coating.
- Matt white colour.

Accessories

- PIR Presence detector*.
- Infrared programmer for presence detector (cod. 7019.030.002).
- Shield in polycarbonate with impact resistance IK 10 on demand (cod. 7060.041.107D).

*Protection rating IP23 using an auxiliary device comply to Zhaga Book 18 or a PIR presence detector.

DRAWINGS



NERI

Refitting kit
Cod. **RNC20T**

Optics: Type I - II - III - IV - V
Screen: Transparent

Technical sheet
Rev. 10- 2024/02/19

DESCRIPTION

Optic configuration - Transparent screen

Cod.	Lighting distribution	Distribution type	LOR*	ULOR
20	Type II - A	Asymmetric	100%	0%
21	Type III - A	Asymmetric	100%	0%
24	Type IV - A	Forward throw	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.
 - Modular (2 X 2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Wide range of optical lighting distributions (on request).
 - Minimum height installation: 2.5m.

Luminous flux

3000K	System*			LED module			
Cod.	lm	W	lm/W	n.LED	mA	W	lm/W
110	2500**	19.4	129	16	376	16.9	148
111	3500	28.2	124	16	549	25.1	140
112	4500	35.1	128	24	460	31.3	144
113	6000	49.1	122	24	642	44.2	136

Luminous flux

4000K	System*			LED module			
Cod.	lm	W	lm/W	n.LED	mA	W	lm/W
310	2500**	18.4	136	16	358	16.0	156
311	3500	26.7	131	16	521	23.7	147
312	4500	33.3	135	24	438	29.7	152
313	6000	46.5	129	24	609	41.8	143
314	7500	60.7	124	24	796	55.3	136

- * The energetic values in the table are referred to the LED + Power supply.
 ** Only with driver function On/Off + NLC
 - CCT 2200K and 2700K on demand.
 - LED type: Nichia NVSW219
 Source efficiency LED: 165 lm/W @ $T_j=25^\circ\text{C}$, 700 mA, 4000K
 Source efficiency LED: 157 lm/W @ $T_j=25^\circ\text{C}$, 700 mA, 3000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 120,000h L90B10 ($T_q = 25^\circ\text{C}$)
 - Colour Rendering Index: $R_a \geq 70$
 - Angular color uniformity $\Delta u'v' \leq 0.003$
 - Photobiological risk: (EN 62471): RG0 (Exempt Risk)
 - Photobiological risk (IEC/TR 62778): Threshold distance between class RG1 and class RG2 at 1.9 m from the source.

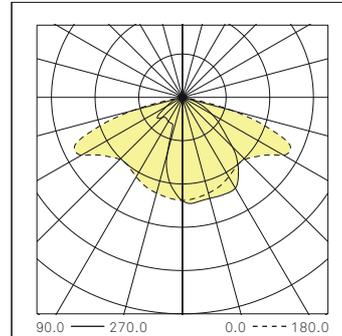
Driver

Cod.	Driver functions
14	NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)
26	ON/OFF + NCL (On/Off + Neri Constant Lumen)

POLAR DIAGRAMS

Type II - A

Luminous intensity class G*4

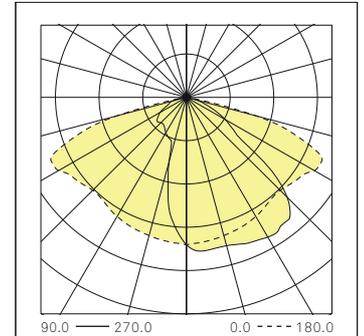


Flux code CIE				
N.1	N.2	N.3	N.4	N.5
41	74	96	100	100



Type III - A

Luminous intensity class G*3

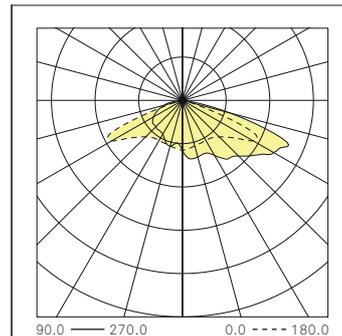


Flux code CIE				
N.1	N.2	N.3	N.4	N.5
41	75	97	100	100



Type IV - A

Luminous intensity class G*2

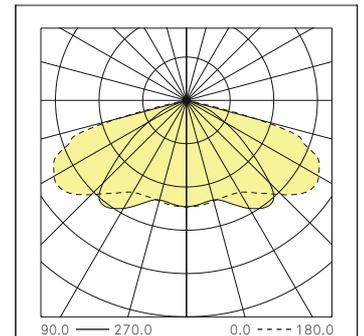


Flux code CIE				
N.1	N.2	N.3	N.4	N.5
27	59	93	100	100



Type I - A

Luminous intensity class G*6

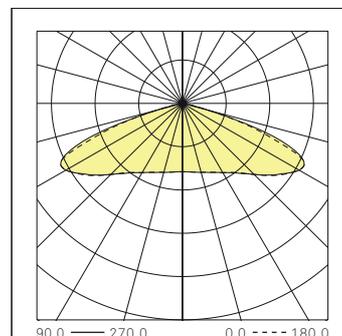


Flux code CIE				
N.1	N.2	N.3	N.4	N.5
38	78	98	100	100



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



NERI

Refitting kit
Cod. **RNC20**

Connection:
On-plate

Technical sheet
Rev. 10- 2024/02/19

DESCRIPTION

Fixing plate

Refitting kit support plates has to be ordered separately.

NERI product series compatible with RNC20 Refitting kit	Features of compatible NERI products	Plate code
Light 550; Light 650	Original version without optics. The devices must hold the basket or pre-existing screens.	9515.998.273
Light 850; Light 851; Light 853	In case of removal of the basket or screens.	0006.153.050 D
Light 850; Light 851; Light 853	The devices must hold the basket or screens.	9515.129.017