

## DESCRIPTION

## Product benefits

- LED Current <500mA
- Minimum IPEA index A3+
- Tool-less opening
- Wide range of optical lighting distributions
- Main body in Die-cast Aluminum
- Automatic switch


## Compliance

- ENEC safety mark.
- In compliance with EN 60598-1; EN 60598-2-3; N 62031;  
EN 55015 EMC; EN 61547 EMC; EN 62471.

## Mechanical characteristics

Height	Width	Length	Weight	IP	IK	Area exposed to wind
143-300 mm	340 mm	608-761mm	10,5 Kg	66	08	0,062 m <sup>2</sup>

## Electrical characteristics

Voltage	Frequency	Cos $\phi$	Insulation class	Operative Temp.
220-240V	50-60 Hz	> 0,9	CL II 	-35°C / +50°C

- Classe I of insulation on request.

## Connection

- Suitable for post top or side mounting on tube from Ø 48 mm to Ø 60 mm.
- Adjustable from 0° / +20° in post-top configuration, from -5° / +15° in side-to-side configuration.

## Materials

- Die-cast aluminum (UNI EN 1706).
- Screen made in tempered transparent flat glass.
- Stainless steel fasteners.
- Polycarbonate.

## Structure - Main components

- Cover tilting in aluminum, for access to wiring compartment.
- Shield in extra-clear tempered glass with impact resistance IK 08 (EN 62262).
- Silicone gasket between the lower frame and cover.
- Tilting upper square frame made in die-cast aluminum.
- Osmotic valve for balance internal / external pressure.
- White internal reflector.
- Dedicated space for any surge protection devices or remote control systems.

## Electrical Auxiliaries

- Electronic power supply with short-circuit, overtemperature and overvoltage protection with estimated life time B10 at 100,000 h.
- Automatic disconnection switch on opening.
- Morsettiera per cavi con sezione. max. 2,5 mm<sup>2</sup>.
- Power cable entry with PG16 cable gland (Ø 10-14mm).
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II).

## Operations - Maintenance

- Tool-less opening.
- Periodic maintenance for external cleaning of the structure and the screen from dust and smog and for checking the tightening of the product - refer to the product installation and maintenance manual.
- It is the responsibility of the installer to ensure correct installation and electrical connection in accordance with applicable regulations.

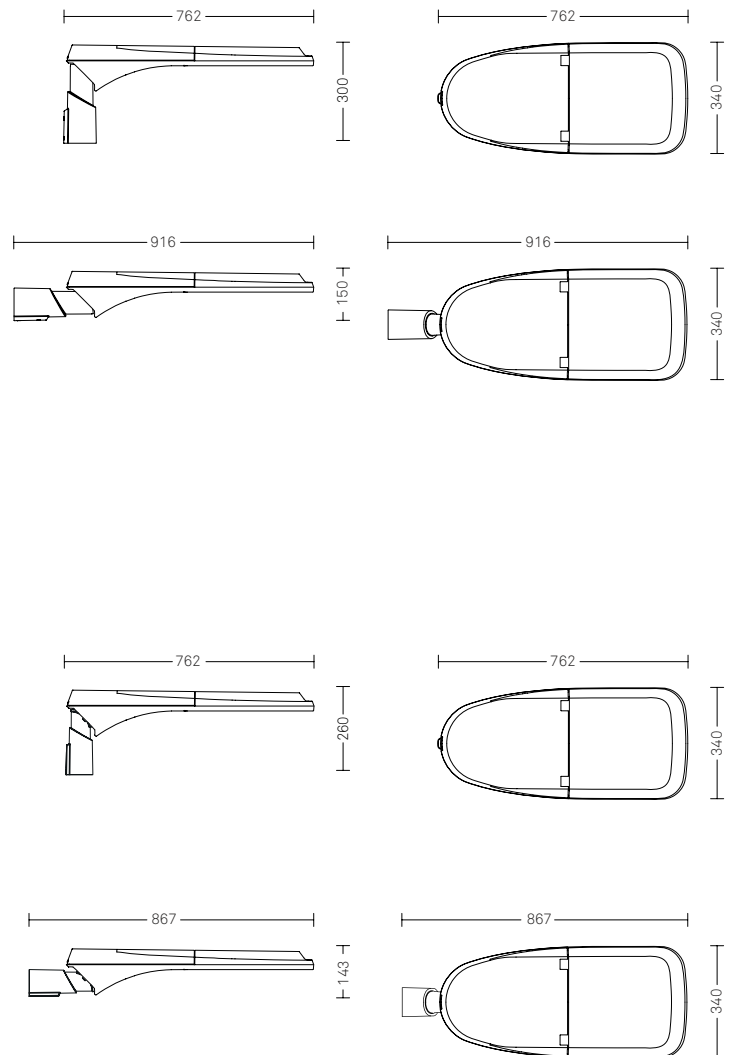
## Painting

- Painting cycles (see specific sheet).
- Standard colors: Neri grey

## Accessories

- Attack aside
- SPD 10 kV DM/CM
- Zhaga connector.
- NEMA Socket (3 or 7 pin).
- Power cable with quick connector.
- House side shield (No optical I, III C)

## DRAWINGS



## DESCRIPTION

## Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type I - A	Asymmetric	100%	0%
Type II - D	Asymmetric	100%	0%
Type III - B	Asymmetric	100%	0%
Type III - C	Asymmetric	100%	0%
Type III - H	Asymmetric	100%	0%
Type IV - A	Asymmetric	100%	0%
Type IV - C	Asymmetric	100%	0%
Type V - A	Rotosymmetrical	100%	0%

- \* optical efficiency of the device due to physical shielding.  
- Modular (2 X 2) refractive lens in PMMA.  
- Maximum luminous intensity class  $\gamma \geq 90^\circ$ :  $< 0.49 \text{ cd/klm}$ .  
- Wide range of optical lighting distributions (on request).  
- Reflector in plastic material for luminous flux recovery and glare reduction.  
- Minimum installation height: 2.5m.

## Luminous Flux - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	51,2	147	40	2 x 204	44,4	169
9000	61,7	146	40	2 x 248	54,4	165
10500	72,4	145	40	2 x 293	64,9	162
12000	83,6	144	40	2 x 339	75,7	159
13500	95,3	142	40	2 x 386	86,9	155
15000	99,9	150	60	2 x 278	92,0	163
18000	122	148	60	2 x 339	113,5	159

## Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	49,2	152	40	2 x 196	42,6	185
9000	59,3	152	40	2 x 238	52,2	173
10500	69,6	151	40	2 x 281	62,1	169
12000	80,2	150	40	2 x 325	72,4	166
13500	91,3	148	40	2 x 370	83,1	163
15000	95,9	156	60	2 x 266	88,1	170
18000	117	154	60	2 x 325	109	166

## Luminous Flux - 4000K

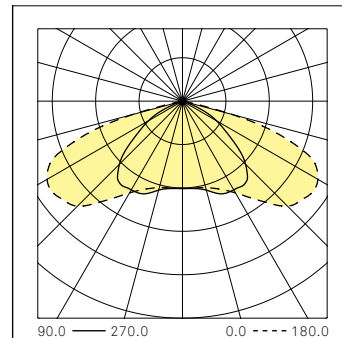
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	47,2	159	40	2 x 187	40,6	185
9000	56,7	159	40	2 x 227	49,7	181
10500	66,5	158	40	2 x 268	59,1	178
12000	76,6	157	40	2 x 310	68,9	174
13500	87,1	155	40	2 x 353	79,0	171
15000	91,6	164	60	2 x 254	83,9	179
18000	111	161	60	2 x 310	103,3	174
21000	133	158	60	2 x 367	123,7	170

- \*\* The energetic values in the table are referred to the LED + Power supply.  
- LED type: Lumileds Luxeon 5050  
Source efficiency LED: 181 lm/W @  $T_j=25^\circ\text{C}$ , 400 mA, 2700K  
Source efficiency LED: 188 lm/W @  $T_j=25^\circ\text{C}$ , 400 mA, 3000K  
Source efficiency LED: 195 lm/W @  $T_j=25^\circ\text{C}$ , 400 mA, 4000K  
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 ( $T_q = 25^\circ\text{C}$ )  
- Colour Rendering Index:  $\geq 70$   
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

## PHOTOMETRIC CURVES

## Type I - A

Luminous intensity class G\*6

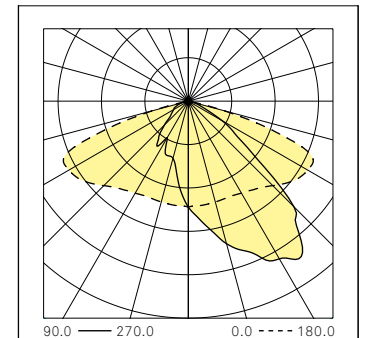


## CIE flux code

N.1 N.2 N.3 N.4 N.5  
38 79 99 100 100

## Type II - D

Luminous intensity class G\*4

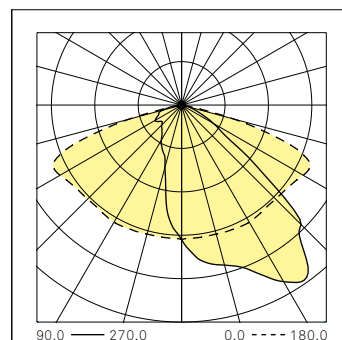


## CIE flux code

N.1 N.2 N.3 N.4 N.5  
39 76 97 100 100

## Type III - B

Luminous intensity class G\*4

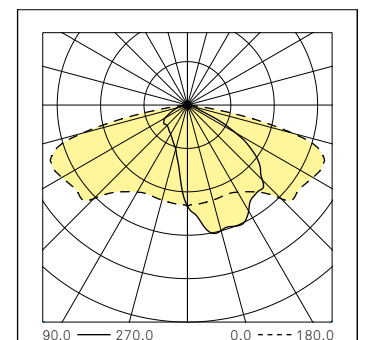


## CIE flux code

N.1 N.2 N.3 N.4 N.5  
41 76 97 100 100

## Type III - C

Luminous intensity class G\*2

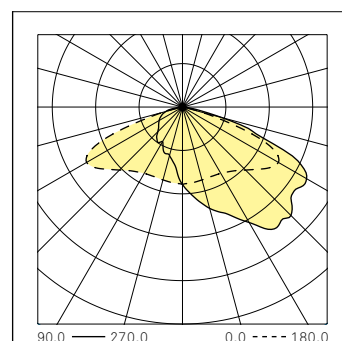


## CIE flux code

N.1 N.2 N.3 N.4 N.5  
33 69 95 100 100

## Type III - H

Luminous intensity class G\*4



## CIE flux code

N.1 N.2 N.3 N.4 N.5  
34 70 96 100 100

## DESCRIPTION

### Driver functions

**1-10V + NCL** (Analogic control + Neri Constant Lumen)

**DALI + NCL** (Digital control + Neri Constant Lumen)

**NVL6H + NCL** (Autodimming -30% x 6h + Neri Constant Lumen)

**AmpDim + NCL** (Flux regulator + Neri Constant Lumen)

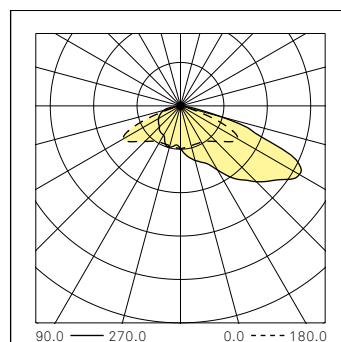
**ON-OFF + NCL** (On-Off + Neri Constant Lumen)

**Zhaga connector + SR**

## PHOTOMETRIC CURVES

### Type IV - A

**Luminous intensity class** G\*3



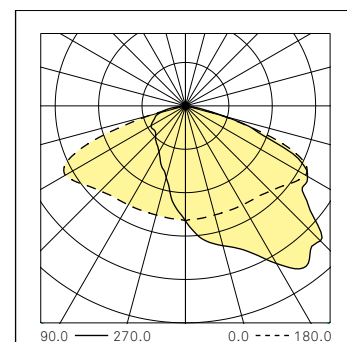
#### CIE flux code

N.1	N.2	N.3	N.4	N.5
27	63	95	100	100



### Type IV - C

**Luminous intensity class** G\*4



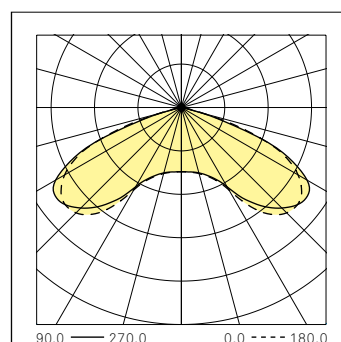
#### CIE flux code

N.1	N.2	N.3	N.4	N.5
34	70	96	100	100



### Type V - A

**Luminous intensity class** G\*6



#### CIE flux code

N.1	N.2	N.3	N.4	N.5
24	66	97	100	100

