

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.

Mecanical characteristics

| Height | Width | Length | Weight | IP | IK | Area exposed to wind |
|------------|--------|-----------|--------|----|----|----------------------|
| 143-300 mm | 340 mm | 762-916mm | 13 Kg | 66 | 08 | 0,064 m ² |

Electrical characteristics

| Voltage | Frequency | Cos ϕ | 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 mm².
- 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.

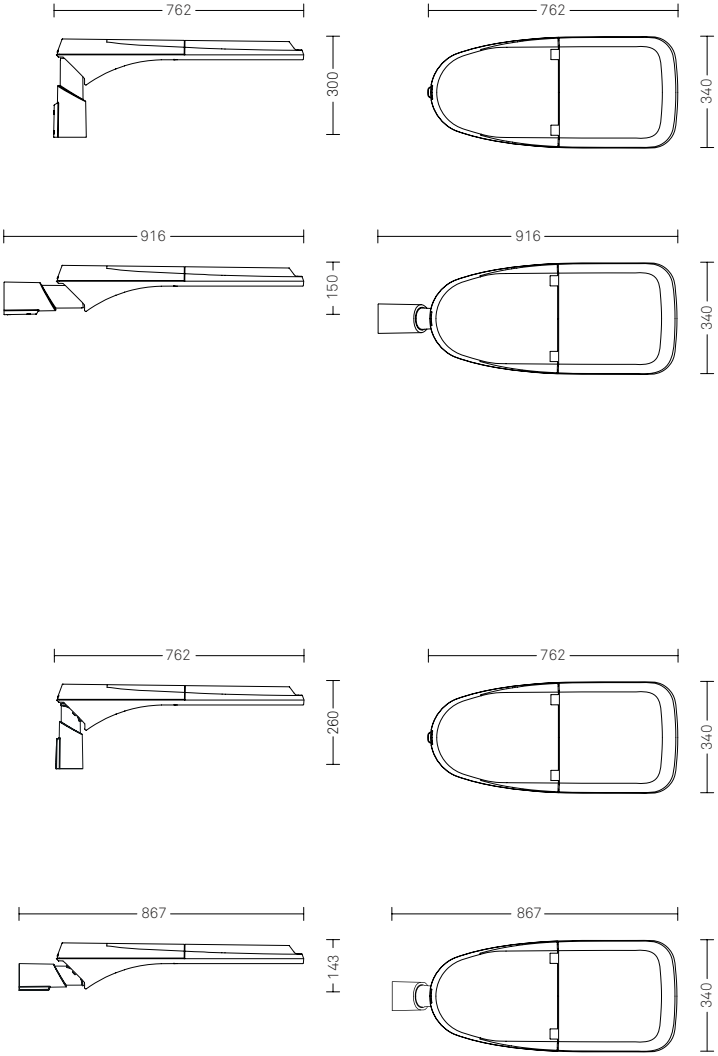
Painting

- 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 optica 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

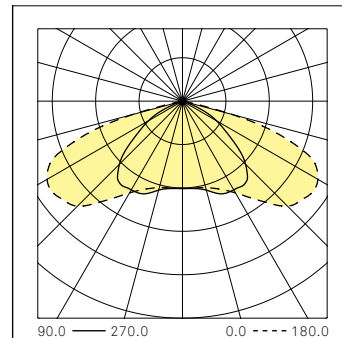
| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|-------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 7500 | 47,2 | 159 | 40 | 2 x 187 | 40,6 | 185 |
| 9000 | 56,7 | 159 | 40 | 2 x 227 | 49,7 | 181 |
| 10500 | 66,5 | 158 | 40 | 2 x 268 | 59,1 | 178 |
| 12000 | 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: ≥ 70
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

PHOTOMETRIC CURVES

Type I - A

Luminous intensity class G*6

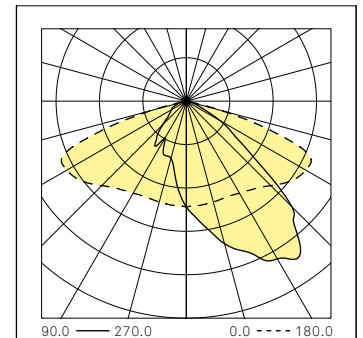


CIE flux code

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

Type II - D

Luminous intensity class G*4

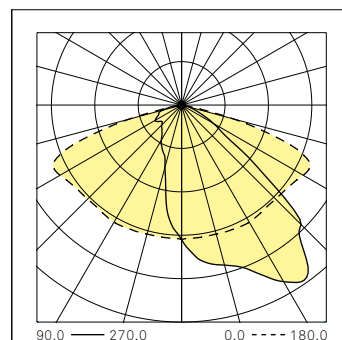


CIE flux code

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

Type III - B

Luminous intensity class G*4

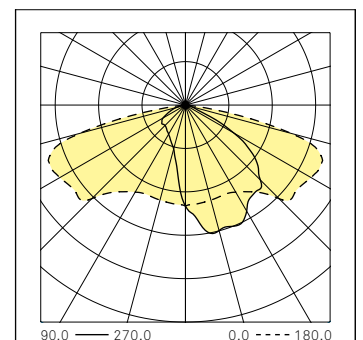


CIE flux code

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

Type III - C

Luminous intensity class G*2

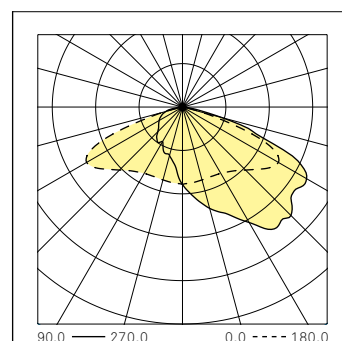


CIE flux code

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

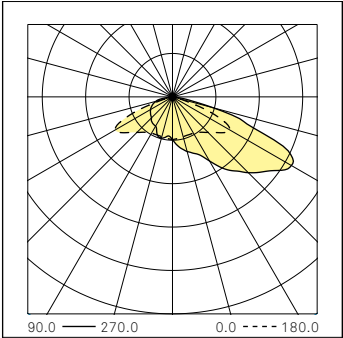
Driver functions

| |
|---|
| 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

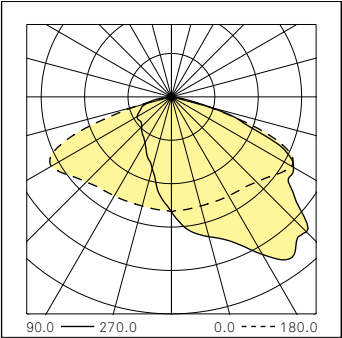


| CIE flux code | | | | | |
|---------------|-----|-----|-----|-----|--|
| N.1 | N.2 | N.3 | N.4 | N.5 | |
| 27 | 63 | 95 | 100 | 100 | |



Type IV - C

Luminous intensity class G*4

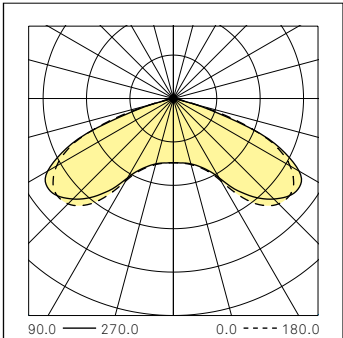


| CIE flux code | | | | | |
|---------------|-----|-----|-----|-----|--|
| N.1 | N.2 | N.3 | N.4 | N.5 | |
| 34 | 70 | 96 | 100 | 100 | |



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 | |

