

DESCRIPTION

Product benefits

- LED Current < 400 mA.
- Minimum IPEA rating A3+.
- Tool-less opening.
- Wide range of optical lighting distributions.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).
- Main body in die-cast aluminum.



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 characteristics

| Height | Width | Lenght | Weight | IP | IK | Area exposed to wind |
|--------|--------|--------|--------|----|----|----------------------|
| 690 mm | 550 mm | 550mm | 12 Kg | 66 | 10 | 0,105 m ² |

Electrical characteristics

| Voltage | Frequency | Cos ϕ | Insulation class | Operative Temp. |
|----------|-----------|------------|------------------|-----------------|
| 220-240V | 50-60 Hz | > 0,9 | CL II | -40°C / +50°C |

- Classe I of insulation on request.

Connection

- Only suitable for post top mounting.
- Flange with \varnothing 28 mm hole on the lower frame.

Materials

- Die-cast aluminium (UNI EN 1706).
- Aluminium sheet.
- Extra-clear transparent fl at glass.
- Stainless steel fasteners.

Structure - Main components

- Die-cast upper frame and aluminium sheet with G 3/4" threaded connection for fixing to the support.
- Lower frame composed of a die-cast aluminium ring to get access to auxiliary box.
- Shield in fl at tempered glass with impact resistance IK10 (EN 62262).
- Protective screen made of extra clear tempered glass.
- Dedicated compartment to house any additional voltage arresters or remote control systems.
- Gasket in EPDM between upper frame and screen.

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.
- Terminal block for cables with max. 2.5 mm² cross-section.
- Cable access with cable gland PG16 (\varnothing 10-14mm).
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Operations - Maintenance

- 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.

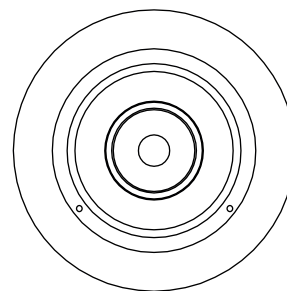
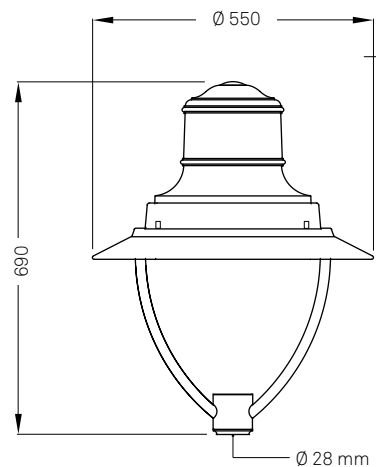
Painting

- Powder coating.
- Standard colour: Neri Gray, on the upper part.
- Standard colour: White gloss RAL 9016, on the lower part.

Accessories

- Cable with the requested lenght with fast connections.
- Zhaga connector
- Prismatic glass IK 09 according to EN62262
- Fuse holder 5x20
- House side shield

DRAWINGS



DESCRIPTION

Optic configuration - Transparent screen

| Lighting distribution | Distribution type | LOR* | ULOR |
|-----------------------|-------------------|------|------|
| Type II - D | Asymmetric | 100% | 0% |
| Type III - B | Asymmetric | 100% | 0% |
| Type III - C | Asymmetric | 100% | 0% |
| Type III - H | Asymmetric | 100% | 0% |

*optical efficiency of the device due to physical shielding

Luminous Flux - 3000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 85,7 | 158 | 48 | 2 x 292 | 77,7 | 174 |
| 12000 | 80,3 | 150 | 32 | 2 x 401 | 72,4 | 166 |
| 10500 | 68,3 | 154 | 32 | 2 x 346 | 61,9 | 170 |
| 9000 | 60,4 | 149 | 24 | 2 x 401 | 54,3 | 166 |
| 7500 | 49,6 | 151 | 24 | 2 x 328 | 43,9 | 171 |
| 6000 | 37,9 | 158 | 24 | 2 x 257 | 34,0 | 177 |
| 4500 | 29,6 | 152 | 16 | 2 x 292 | 25,9 | 174 |
| 3500 | 22,4 | 156 | 16 | 2 x 223 | 19,5 | 180 |
| 2500 | 16,0 | 156 | 16 | 2 x 156 | 13,5 | 185 |
| 1500 | 9,9 | 151 | 16 | 2 x 92 | 7,9 | 191 |

Luminous Flux - 4000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 81,8 | 165 | 48 | 2 x 279 | 74,0 | 183 |
| 12000 | 76,6 | 157 | 32 | 2 x 383 | 68,9 | 174 |
| 10500 | 65,1 | 161 | 32 | 2 x 330 | 58,9 | 178 |
| 9000 | 57,6 | 156 | 24 | 2 x 383 | 51,6 | 174 |
| 7500 | 47,5 | 158 | 24 | 2 x 313 | 41,7 | 180 |
| 6000 | 36,2 | 166 | 24 | 2 x 246 | 32,4 | 185 |
| 4500 | 28,4 | 158 | 16 | 2 x 279 | 24,7 | 183 |
| 3500 | 21,4 | 163 | 16 | 2 x 213 | 18,6 | 188 |
| 2500 | 15,4 | 163 | 16 | 2 x 149 | 12,9 | 194 |
| 1500 | 9,6 | 157 | 16 | 2 x 88 | 7,5 | 200 |

** The energetic values in the table are referred to the LED + Power supply.

- CCT 2200K and 2700K on request.

- LED type: Lumileds Luxeon 5050

Source efficiency LED: 188 lm/W @ Tj=25°C, 800 mA, 3000K

Source efficiency LED: 195 lm/W @ Tj=25°C, 800 mA, 4000K

- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tj = 25°C)

- Colour Rendering Index: ≥ 70 (80 on request)

- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

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)

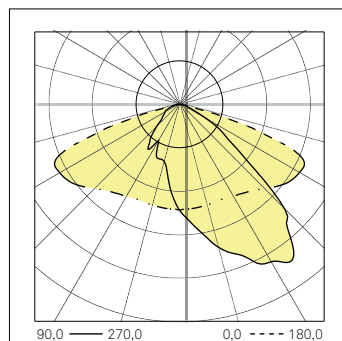
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

PHOTOMETRIC CURVES

Type II - D

Luminous intensity class G*4



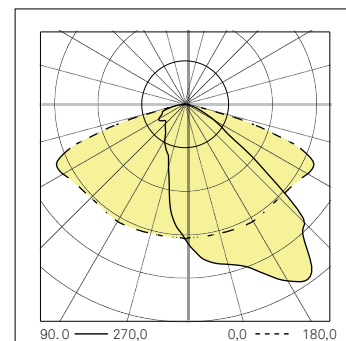
CIE flux code

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



Type III - B

Luminous intensity class G*4



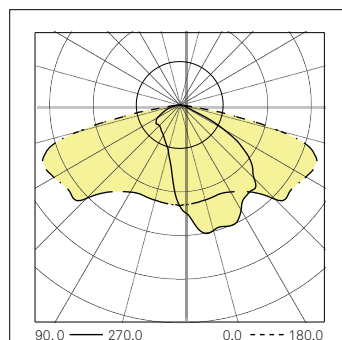
CIE flux code

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



Type III - C

Luminous intensity class G*2



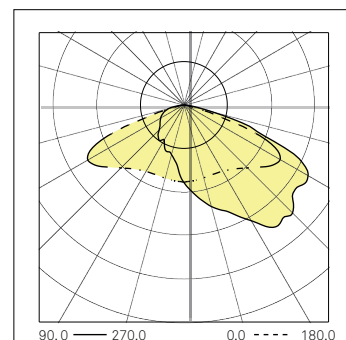
CIE flux code

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

Optic configuration - Transparent screen

| Lighting distribution | Distribution type | LOR* | ULOR |
|-----------------------|-------------------|------|------|
| Type IV - A | Forward throw | 100% | 0% |
| Type IV - C | Forward throw | 100% | 0% |
| Type I - A | Center road | 100% | 0% |
| Type V - A | Rotosymmetric | 100% | 0% |

*optical efficiency of the device due to physical shielding

Luminous Flux - 3000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 85,7 | 158 | 48 | 2 x 292 | 77,7 | 174 |
| 12000 | 80,3 | 150 | 32 | 2 x 401 | 72,4 | 166 |
| 10500 | 68,3 | 154 | 32 | 2 x 346 | 61,9 | 170 |
| 9000 | 60,4 | 149 | 24 | 2 x 401 | 54,3 | 166 |
| 7500 | 49,6 | 151 | 24 | 2 x 328 | 43,9 | 171 |
| 6000 | 37,9 | 158 | 24 | 2 x 257 | 34,0 | 177 |
| 4500 | 29,6 | 152 | 16 | 2 x 292 | 25,9 | 174 |
| 3500 | 22,4 | 156 | 16 | 2 x 223 | 19,5 | 180 |
| 2500 | 16,0 | 156 | 16 | 2 x 156 | 13,5 | 185 |
| 1500 | 9,9 | 151 | 16 | 2 x 92 | 7,9 | 191 |

Luminous Flux - 4000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 81,8 | 165 | 48 | 2 x 279 | 74,0 | 183 |
| 12000 | 76,6 | 157 | 32 | 2 x 383 | 68,9 | 174 |
| 10500 | 65,1 | 161 | 32 | 2 x 330 | 58,9 | 178 |
| 9000 | 57,6 | 156 | 24 | 2 x 383 | 51,6 | 174 |
| 7500 | 47,5 | 158 | 24 | 2 x 313 | 41,7 | 180 |
| 6000 | 36,2 | 166 | 24 | 2 x 246 | 32,4 | 185 |
| 4500 | 28,4 | 158 | 16 | 2 x 279 | 24,7 | 183 |
| 3500 | 21,4 | 163 | 16 | 2 x 213 | 18,6 | 188 |
| 2500 | 15,4 | 163 | 16 | 2 x 149 | 12,9 | 194 |
| 1500 | 9,6 | 157 | 16 | 2 x 88 | 7,5 | 200 |

** The energetic values in the table are referred to the LED + Power supply.

- CCT 2200K and 2700K on request.

- LED type: Lumileds Luxeon 5050

Source efficiency LED: 188 lm/W @ Tj=25°C, 800 mA, 3000K

Source efficiency LED: 195 lm/W @ Tj=25°C, 800 mA, 4000K

- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tj = 25°C)

- Colour Rendering Index: ≥ 70 (80 on request)

- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

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)

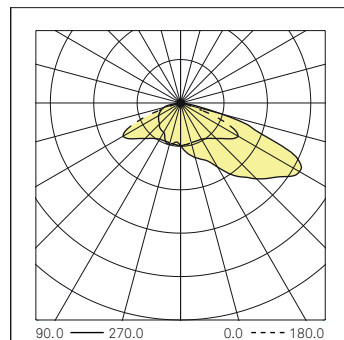
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

PHOTOMETRIC CURVES

Type IV - A

Classe Intensità Luminosa G*3



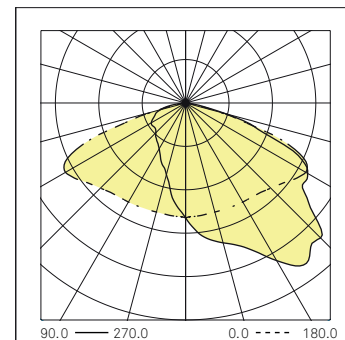
CIE flux code

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



Type IV - C

Luminous intensity class G*4



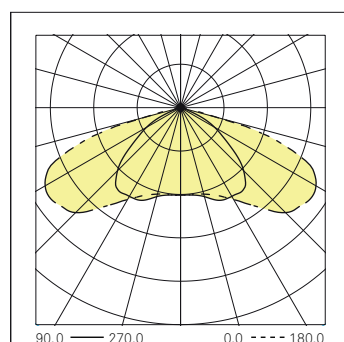
CIE flux code

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



Type I - A

Luminous intensity class G*6



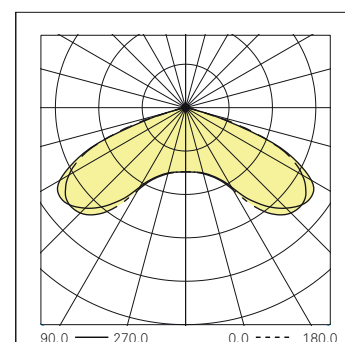
CIE flux code

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



Type 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



DESCRIPTION

Product benefits

- LED Current < 400 mA.
- Minimum IPEA rating A3+.
- Tool-less opening.
- Wide range of optical lighting distributions.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).
- Main body in die-cast aluminum.



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 characteristics

| Height | Width | Lenght | Weight | IP | IK | Area exposed to wind |
|--------|--------|--------|--------|----|----|----------------------|
| 345 mm | 550 mm | 550mm | 9,2 Kg | 66 | 10 | 0,09 m ² |

Electrical characteristics

| Voltage | Frequency | Cos ϕ | Insulation class | Operative Temp. |
|----------|-----------|------------|------------------|-----------------|
| 220-240V | 50-60 Hz | > 0,9 | CL II | -40°C / +50°C |

- Classe I of insulation on request.

Connection

- Only suitable for suspended mounting.
- G 3/4" threaded connection.

Materials

- Die-cast aluminium (UNI EN 1706).
- Aluminium sheet.
- Extra-clear transparent fl at glass.
- Stainless steel fasteners.

Structure - Main components

- Die-cast upper frame and aluminium sheet with G 3/4" threaded connection for fixing to the support.
- Lower frame composed of a die-cast aluminium ring to get access to auxiliary box.
- Shield in fl at tempered glass with impact resistance IK10 (EN 62262).
- Protective screen made of extra clear tempered glass.
- Dedicated compartment to house any additional voltage arresters or remote control systems.
- Gasket in EPDM between upper frame and screen.

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.
- Terminal block for cables with max. 2.5 mm² cross-section.
- Cable access with cable gland PG16 (Ø 10-14mm).
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Operations - Maintenance

- 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.

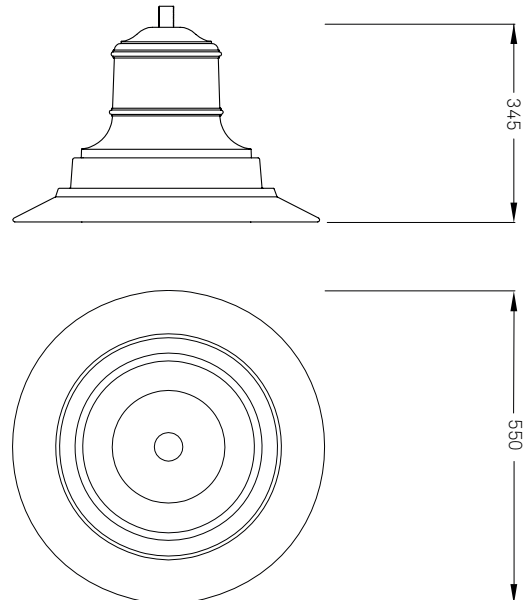
Painting

- Powder coating.
- Standard colour: Neri Gray, on the upper part.
- Standard colour: White gloss RAL 9016, on the lower part.

Accessories

- Cable with the requested lenght with fast connections.
- Zhaga connector
- Prismatic glass IK 09 according to EN62262
- Fuse holder 5x20
- House side shield

DRAWINGS



DESCRIPTION

Optic configuration - Transparent screen

| Lighting distribution | Distribution type | LOR* | ULOR |
|-----------------------|-------------------|------|------|
| Type II - D | Asymmetric | 100% | 0% |
| Type III - B | Asymmetric | 100% | 0% |
| Type III - C | Asymmetric | 100% | 0% |
| Type III - H | Asymmetric | 100% | 0% |

*optical efficiency of the device due to physical shielding

Luminous Flux - 3000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 85,7 | 158 | 48 | 2 x 292 | 77,7 | 174 |
| 12000 | 80,3 | 150 | 32 | 2 x 401 | 72,4 | 166 |
| 10500 | 68,3 | 154 | 32 | 2 x 346 | 61,9 | 170 |
| 9000 | 60,4 | 149 | 24 | 2 x 401 | 54,3 | 166 |
| 7500 | 49,6 | 151 | 24 | 2 x 328 | 43,9 | 171 |
| 6000 | 37,9 | 158 | 24 | 2 x 257 | 34,0 | 177 |
| 4500 | 29,6 | 152 | 16 | 2 x 292 | 25,9 | 174 |
| 3500 | 22,4 | 156 | 16 | 2 x 223 | 19,5 | 180 |
| 2500 | 16,0 | 156 | 16 | 2 x 156 | 13,5 | 185 |
| 1500 | 9,9 | 151 | 16 | 2 x 92 | 7,9 | 191 |

Luminous Flux - 4000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 81,8 | 165 | 48 | 2 x 279 | 74,0 | 183 |
| 12000 | 76,6 | 157 | 32 | 2 x 383 | 68,9 | 174 |
| 10500 | 65,1 | 161 | 32 | 2 x 330 | 58,9 | 178 |
| 9000 | 57,6 | 156 | 24 | 2 x 383 | 51,6 | 174 |
| 7500 | 47,5 | 158 | 24 | 2 x 313 | 41,7 | 180 |
| 6000 | 36,2 | 166 | 24 | 2 x 246 | 32,4 | 185 |
| 4500 | 28,4 | 158 | 16 | 2 x 279 | 24,7 | 183 |
| 3500 | 21,4 | 163 | 16 | 2 x 213 | 18,6 | 188 |
| 2500 | 15,4 | 163 | 16 | 2 x 149 | 12,9 | 194 |
| 1500 | 9,6 | 157 | 16 | 2 x 88 | 7,5 | 200 |

** The energetic values in the table are referred to the LED + Power supply.

- CCT 2200K and 2700K on request.

- LED type: Lumileds Luxeon 5050

Source efficiency LED: 188 lm/W @ Tj=25°C, 800 mA, 3000K

Source efficiency LED: 195 lm/W @ Tj=25°C, 800 mA, 4000K

- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tj = 25°C)

- Colour Rendering Index: ≥ 70 (80 on request)

- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

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)

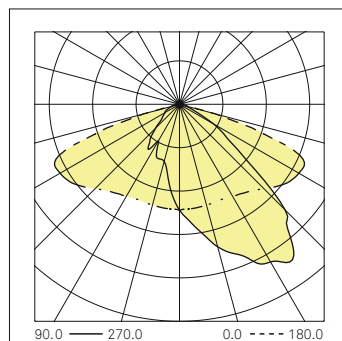
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

PHOTOMETRIC CURVES

Type II - D

Luminous intensity class G*4



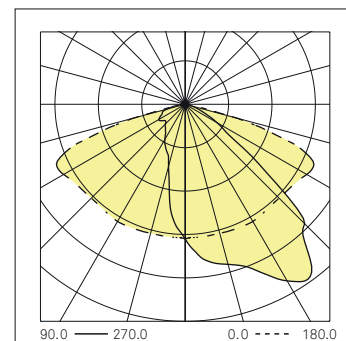
CIE flux code

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



Type III - B

Luminous intensity class G*4



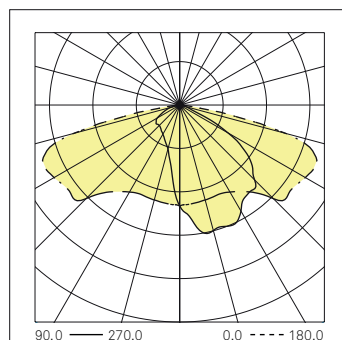
CIE flux code

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



Type III - C

Luminous intensity class G*2



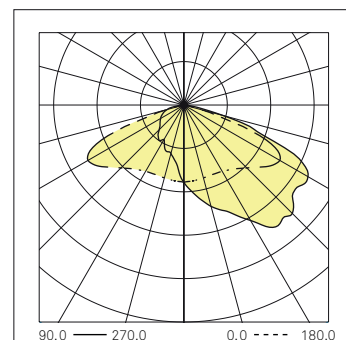
CIE flux code

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

Optic configuration - Transparent screen

| Lighting distribution | Distribution type | LOR* | ULOR |
|-----------------------|-------------------|------|------|
| Type IV - A | Forward throw | 100% | 0% |
| Type IV - C | Forward throw | 100% | 0% |
| Type I - A | Center road | 100% | 0% |
| Type V - A | Rotosymmetric | 100% | 0% |

*optical efficiency of the device due to physical shielding

Luminous Flux - 3000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 85,7 | 158 | 48 | 2 x 292 | 77,7 | 174 |
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| 2500 | 16,0 | 156 | 16 | 2 x 156 | 13,5 | 185 |
| 1500 | 9,9 | 151 | 16 | 2 x 92 | 7,9 | 191 |

Luminous Flux - 4000K

| System** | | LED Module | | | | |
|----------|------|------------|-------|---------|------|------|
| lm | W | lm/W | n.LED | mA | W | lm/W |
| 13500 | 81,8 | 165 | 48 | 2 x 279 | 74,0 | 183 |
| 12000 | 76,6 | 157 | 32 | 2 x 383 | 68,9 | 174 |
| 10500 | 65,1 | 161 | 32 | 2 x 330 | 58,9 | 178 |
| 9000 | 57,6 | 156 | 24 | 2 x 383 | 51,6 | 174 |
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| 4500 | 28,4 | 158 | 16 | 2 x 279 | 24,7 | 183 |
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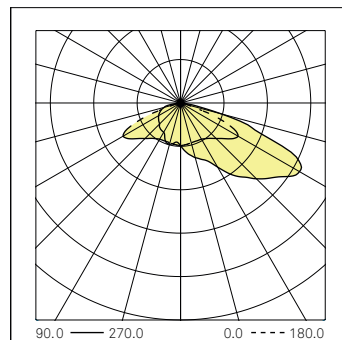
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

PHOTOMETRIC CURVES

Type IV - A

Classe Intensità Luminosa G*3



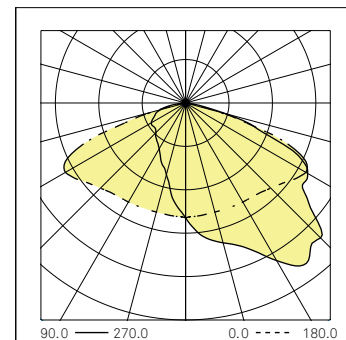
CIE flux code

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



Type IV - C

Luminous intensity class G*4



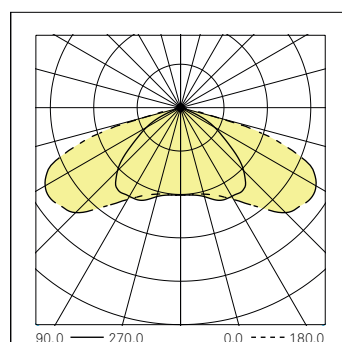
CIE flux code

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



Type I - A

Luminous intensity class G*6



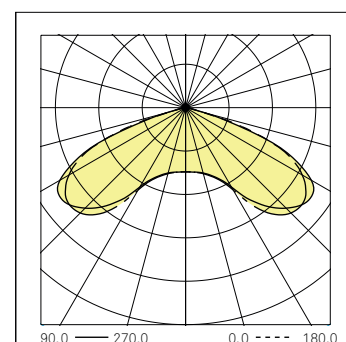
CIE flux code

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



Type 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

