

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.

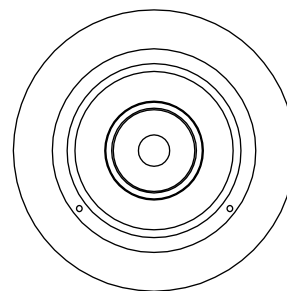
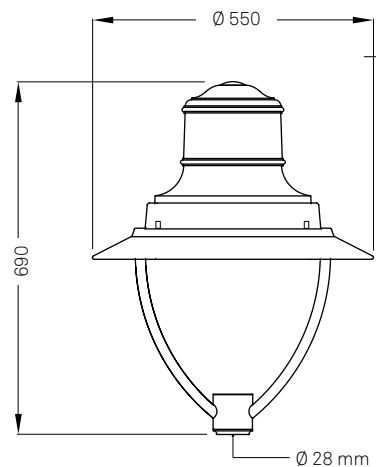
Painting

- 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)

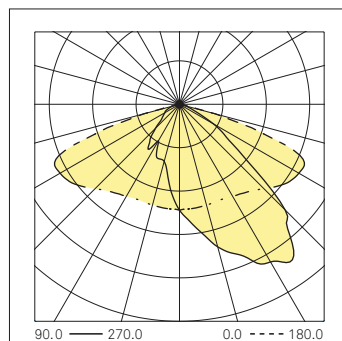
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

PHOTOMETRIC CURVES

Type I - A

Luminous intensity class G*6



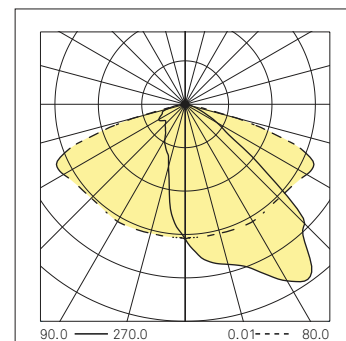
CIE flux code

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



Type II - D

Luminous intensity class G*4



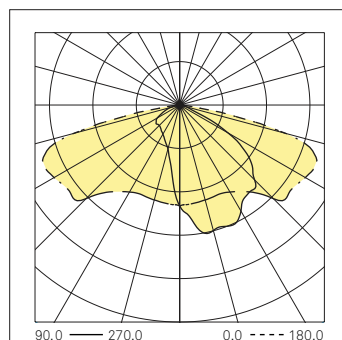
CIE flux code

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Type III - B

Luminous intensity class G*4



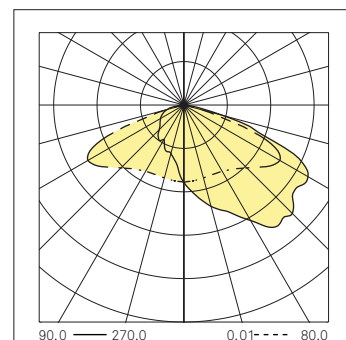
CIE flux code

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33 69 95 100 100



Type III - C

Luminous intensity class G*2



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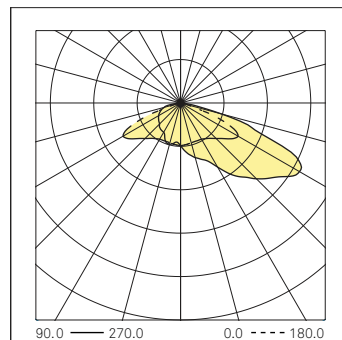
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

PHOTOMETRIC CURVES

Type IV - A

Classe Intensità Luminosa G*3



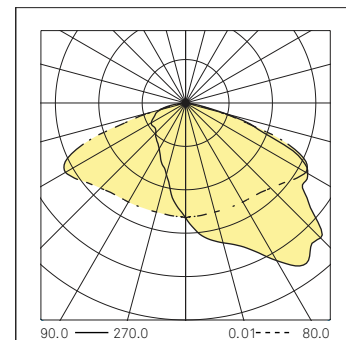
CIE flux code

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27 63 95 100 100



Type IV - A

Luminous intensity class G*3



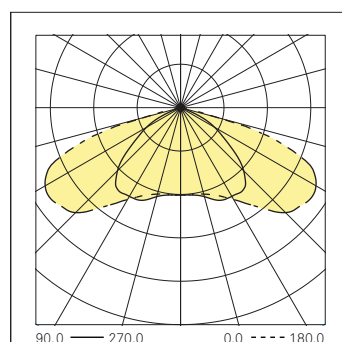
CIE flux code

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34 70 96 100 100



Type IV - C

Luminous intensity class G*4



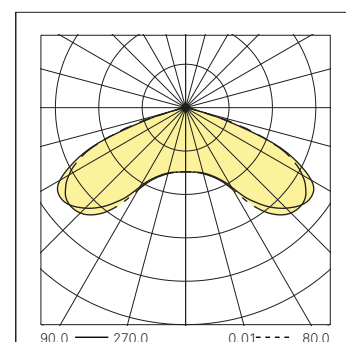
CIE flux code

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

