

DESCRIPTION

Product benefits

- LED Current < 450 mA
- Tool-less opening
- Standard surge protection for differential/common mode 10kV/10kV
- Wide range of optical lighting distributions (on request)
- Main body in die-cast aluminum
- Automatic disconnection switch on opening.
- Shield in extra-clear and prismatic tempered glass
- Customizable diffusers in frosted PMMA
- House side shield

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.



Dimensions - Area - Weight

Height	Width	Lenght	Weight	IP	IK	Area exposed to wind
749 mm	393 mm	393 mm	7.9 kg	66	09	0.09 m ²

Electrical characteristics

Voltage	Frequency	Cos ϕ	Insulation class	Operative Temp.
220-240V	50-60Hz	>0.9	CL II	-25°C / Ta*

* Ta +50°C | 1.500lm-7.500lm, CCT 3000K/4000K | 9.000lm, 4000K
Ta +35°C | 9.000lm-10.500lm, CCT 3000K/4000K

- Classe I of insulation (on request).

Connection

- Post top: flange with center hole \varnothing 28mm for fastening to the support.

Materials

- Die-cast aluminium (UNI EN 1706).
- Extra clear transparent and prismatic tempered flat glass.
- Polycarbonate.
- Stainless steel fasteners.

Structure - Main components

- Tilting upper square frame made in die-cast aluminum.
- Bottom frame made in die-cast aluminum with four bracket with flange and a hole (diam. 28 mm) for attachment to the support.
- Shield in flat tempered glass with impact resistance (EN 62262) IK09 (transparent glass) and IK07 (prismatic glass).
- White internal reflector.
- Silicone gasket between the upper and lower frames.
- 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.
- Terminal block for cables with max. 2.5 mm² cross-section.
- Standard surge protection for differential/common mode 10kV/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.

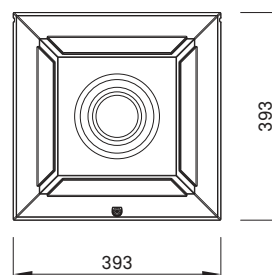
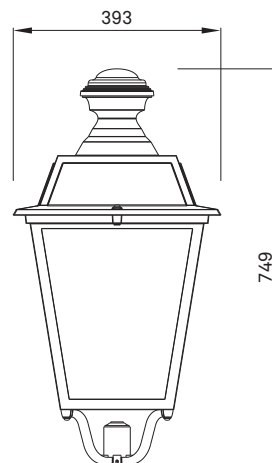
Painting

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

Accessories

- Zhaga connector.
- NEMA Socket (3 or 7 pin).
- Power cable with quick connector.
- Diffusers in frosted PMMA (Cod. LU80302).

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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
7500	55.4	135	32	2 x 280	49.5	151
9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

Driver functions

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

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

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

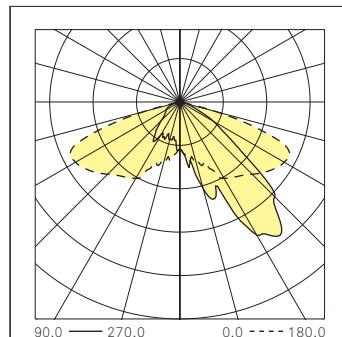
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

Zhaga connector-D4i

POLAR DIAGRAMS

Type II - D

Luminous intensity class G*3

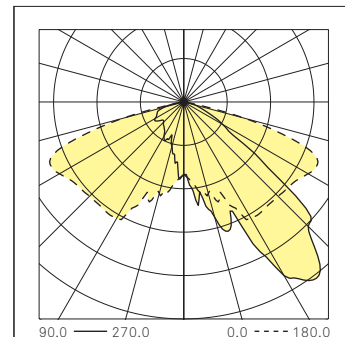


Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	72	97	100	100

Type III - B

Luminous intensity class G*3

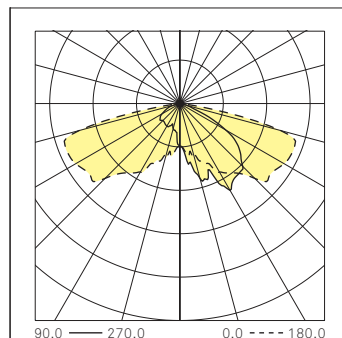


Flux code CIE

N.1	N.2	N.3	N.4	N.5
35	72	96	100	100

Type III - C

Luminous intensity class G*2

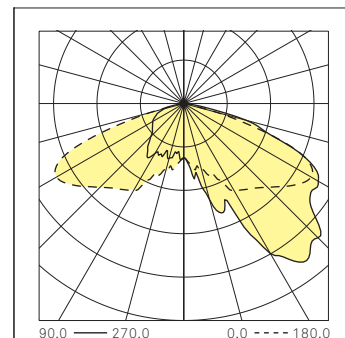


Flux code CIE

N.1	N.2	N.3	N.4	N.5
29	65	94	100	100

Type III - H

Luminous intensity class G*4



Flux code CIE

N.1	N.2	N.3	N.4	N.5
29	66	95	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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
7500	55.4	135	32	2 x 280	49.5	151
9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

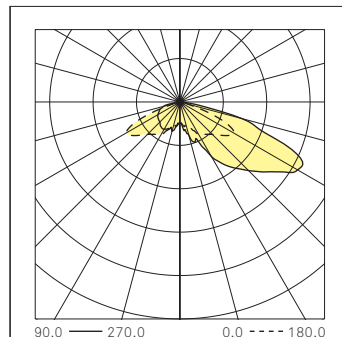
Driver functions

ON-OFF + NCL (On-Off + Neri Constant Lumen)**1-10V + NCL** (Analogic control + Neri Constant Lumen)**AmpDim + NCL** (Flux regulator + Neri Constant Lumen)**DALI + NCL** (Digital control + Neri Constant Lumen)**NVL6H + NCL** (Autodimming -30% x 6h + Neri Constant Lumen)**Zhaga connector-D4i**

POLAR DIAGRAMS

Type IV - A

Luminous intensity class G*2



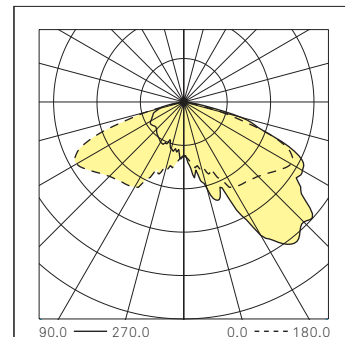
Flux code CIE

N.1	N.2	N.3	N.4	N.5
23	59	94	100	100



Type IV - C

Luminous intensity class G*4



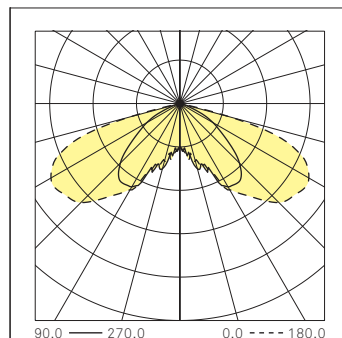
Flux code CIE

N.1	N.2	N.3	N.4	N.5
29	66	95	100	100



Type I - A

Luminous intensity class G*6



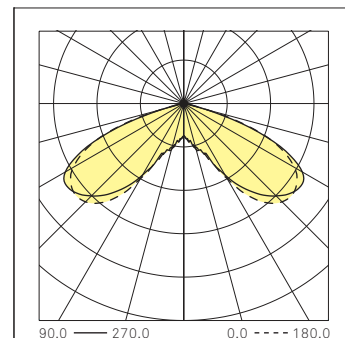
Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	77	98	100	100



Type V - A

Luminous intensity class G*6



Flux code CIE

N.1	N.2	N.3	N.4	N.5
23	65	96	100	100



DESCRIPTION

Optic configuration - Prismatic 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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.8	127	16	2 x 111	9.5	158
2500	19.2	130	16	2 x 190	16.5	152
3500	27.7	126	16	2 x 272	24.0	146
4500	34.0	132	24	2 x 230	30.2	149
6000	47.7	126	24	2 x 314	41.9	143
7500	57.9	130	32	2 x 293	51.9	144
9000	70.7	127	32	2 x 358	64.1	140
10500	85.0	124	32	2 x 425	77.0	136

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 181	15.7	159
3500	26.6	132	16	2 x 259	22.9	153
4500	32.6	138	24	2 x 220	28.8	156
6000	45.6	132	24	2 x 300	39.9	150
7500	55.4	135	32	2 x 280	49.4	152
9000	67.4	134	32	2 x 341	61.0	148
10500	81.0	130	32	2 x 405	73.1	144

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

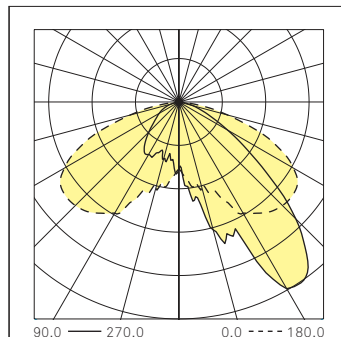
Driver functions

ON-OFF + NCL (On-Off + Neri Constant Lumen)**1-10V + NCL** (Analogic control + Neri Constant Lumen)**AmpDim + NCL** (Flux regulator + Neri Constant Lumen)**DALI + NCL** (Digital control + Neri Constant Lumen)**NVL6H + NCL** (Autodimming -30% x 6h + Neri Constant Lumen)**Zhaga connector-D4i**

POLAR DIAGRAMS

Type II - D

Luminous intensity class G*6



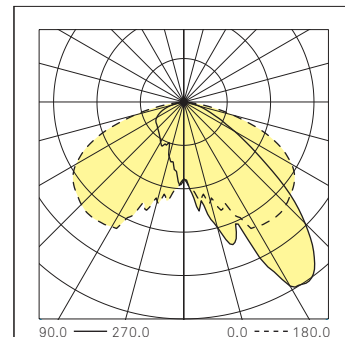
Flux code CIE

N.1	N.2	N.3	N.4	N.5
38	76	96	100	100



Type III - B

Luminous intensity class G*6



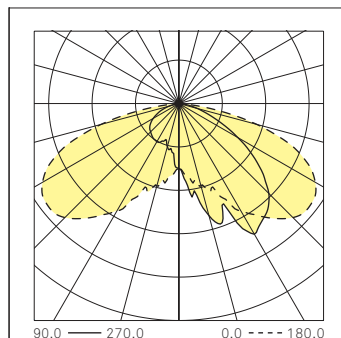
Flux code CIE

N.1	N.2	N.3	N.4	N.5
39	76	96	100	100



Type III - C

Luminous intensity class G*2



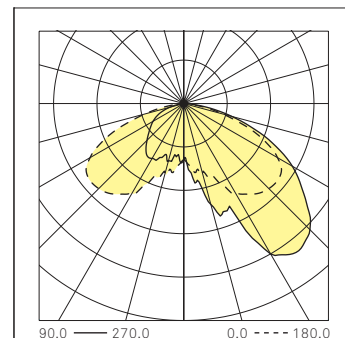
Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	71	95	100	100



Type III - H

Luminous intensity class G*6



Flux code CIE

N.1	N.2	N.3	N.4	N.5
33	71	95	100	100



DESCRIPTION

Optic configuration - Prismatic 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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.8	127	16	2 x 111	9.5	158
2500	19.2	130	16	2 x 190	16.5	152
3500	27.7	126	16	2 x 272	24.0	146
4500	34.0	132	24	2 x 230	30.2	149
6000	47.7	126	24	2 x 314	41.9	143
7500	57.9	130	32	2 x 293	51.9	144
9000	70.7	127	32	2 x 358	64.1	140
10500	85.0	124	32	2 x 425	77.0	136

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 181	15.7	159
3500	26.6	132	16	2 x 259	22.9	153
4500	32.6	138	24	2 x 220	28.8	156
6000	45.6	132	24	2 x 300	39.9	150
7500	55.4	135	32	2 x 280	49.4	152
9000	67.4	134	32	2 x 341	61.0	148
10500	81.0	130	32	2 x 405	73.1	144

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

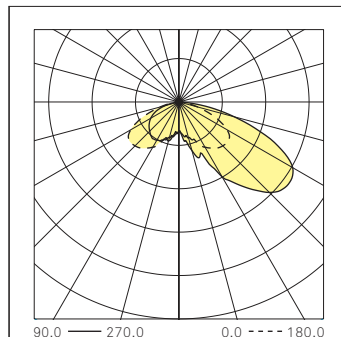
Driver functions

ON-OFF + NCL (On-Off + Neri Constant Lumen)**1-10V + NCL** (Analogic control + Neri Constant Lumen)**AmpDim + NCL** (Flux regulator + Neri Constant Lumen)**DALI + NCL** (Digital control + Neri Constant Lumen)**NVL6H + NCL** (Autodimming -30% x 6h + Neri Constant Lumen)**Zhaga connector-D4i**

POLAR DIAGRAMS

Type IV - A

Luminous intensity class G*2



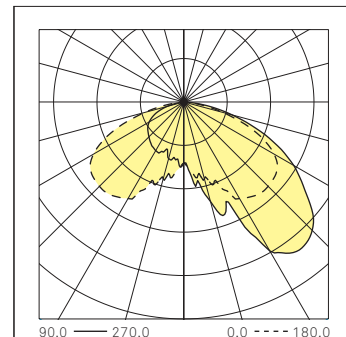
Flux code CIE

N.1	N.2	N.3	N.4	N.5
28	66	94	100	100



Type IV - C

Luminous intensity class G*6



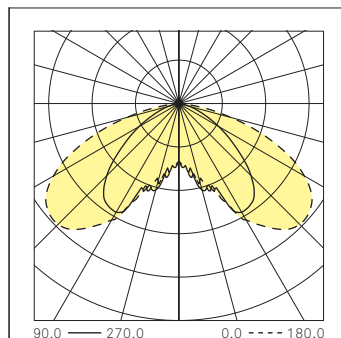
Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	71	95	100	100



Type I - A

Luminous intensity class G*6



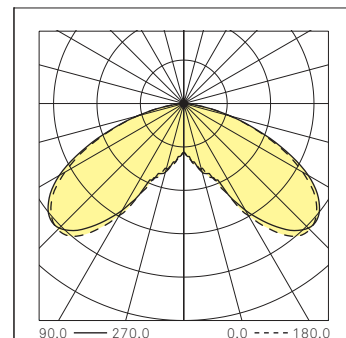
Flux code CIE

N.1	N.2	N.3	N.4	N.5
38	78	97	100	100



Type V - A

Luminous intensity class G*6



Flux code CIE

N.1	N.2	N.3	N.4	N.5
27	69	95	100	100



DESCRIPTION

Optic configuration - Transparent screen and diffusers in PMMA

Lighting distribution	Distribution type	LOR*	ULOR
Type II - D	Asymmetric	0.86	7.70%
Type III - B	Asymmetric	0.85	7.73%
Type III - C	Asymmetric	0.85	8.05%
Type III - H	Asymmetric	0.85	7.94%

* optical efficiency of the device due to physical shielding.
- Modular (2 X 2) refractive lens in PMMA.
- Wide range of optical lighting distributions (on request).

Luminous Flux - 3000K, Tq=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
7500	55.4	135	32	2 x 280	49.5	151
9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, Tq=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

** The energetic values in the table are referred to the LED + Power supply. The values of luminous flux and system efficiency are obtained by multiplying the values in the table by the coefficients of efficiency (LOR) indicated in the optical configuration.

- CCT 2200K and 2700K on request.
- LED type: Lumileds Luxeon 5050
- Source efficiency LED: 164 lm/W @ Tj=25°C, 800 mA, 3000K
- Source efficiency LED: 169 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 (Tq = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

Driver functions

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

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

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

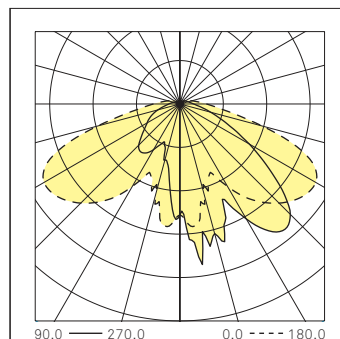
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

Zhaga connector-D4i

POLAR DIAGRAMS

Type II - D

Luminous intensity class -



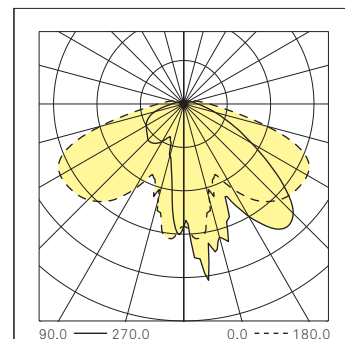
Flux code CIE

N.1 N.2 N.3 N.4 N.5
29 64 89 91 86



Type III - B

Luminous intensity class -



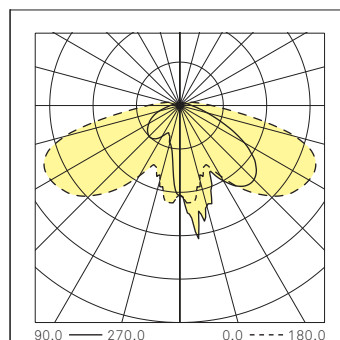
Flux code CIE

N.1 N.2 N.3 N.4 N.5
30 64 89 91 85



Type III - C

Luminous intensity class -



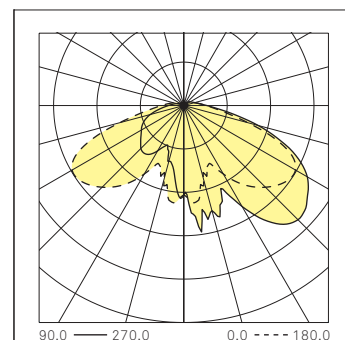
Flux code CIE

N.1 N.2 N.3 N.4 N.5
26 59 86 91 85



Type III - H

Luminous intensity class -



Flux code CIE

N.1 N.2 N.3 N.4 N.5
26 60 87 91 85



DESCRIPTION

Optic configuration - Transparent screen and diffusers in PMMA

Lighting distribution	Distribution type	LOR*	ULOR
Type IV - A	Forward throw	0.84	8.19%
Type IV - C	Forward throw	0.84	7.91%
Type I - A	Center road	0.87	7.83%
Type V - A	Rotosymmetric	0.86	8.23%

* optical efficiency of the device due to physical shielding.
- Modular (2 X 2) refractive lens in PMMA.
- Wide range of optical lighting distributions (on request).

Luminous Flux - 3000K, Tq=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
7500	55.4	135	32	2 x 280	49.5	151
9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, Tq=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

** The energetic values in the table are referred to the LED + Power supply. The values of luminous flux and system efficiency are obtained by multiplying the values in the table by the coefficients of efficiency (LOR) indicated in the optical configuration.

- CCT 2200K and 2700K on request.
- LED type: Lumileds Luxeon 5050
- Source efficiency LED: 164 lm/W @ Tj=25°C, 800 mA, 3000K
- Source efficiency LED: 169 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 (Tq = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

Driver functions

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

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

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

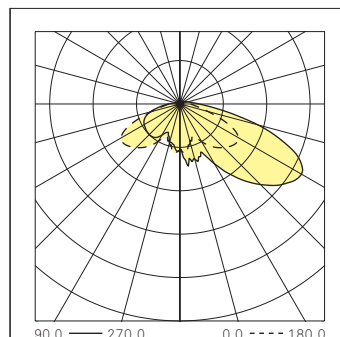
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

Zhaga connector-D4i

POLAR DIAGRAMS

Type IV - A

Luminous intensity class -



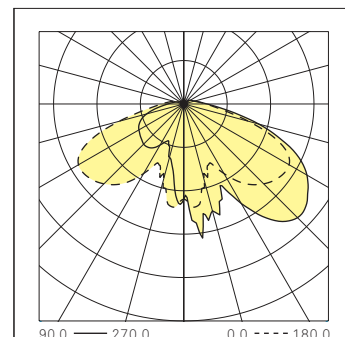
Flux code CIE

N.1 N.2 N.3 N.4 N.5
22 55 86 90 84



Type IV - C

Luminous intensity class -



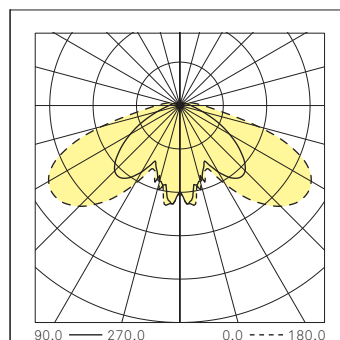
Flux code CIE

N.1 N.2 N.3 N.4 N.5
29 59 87 91 84



Type I - A

Luminous intensity class -



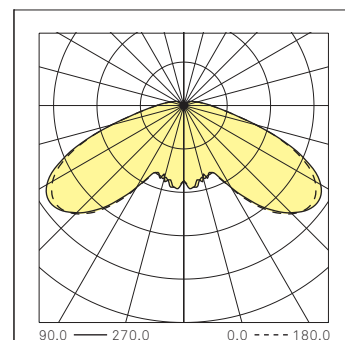
Flux code CIE

N.1 N.2 N.3 N.4 N.5
29 66 90 91 87



Type V - A

Luminous intensity class -



Flux code CIE

N.1 N.2 N.3 N.4 N.5
22 58 87 90 86



DESCRIPTION

Product benefits

- LED Current < 450 mA
- Tool-less opening
- Standard surge protection for differential/common mode 10kV/10kV
- Wide range of optical lighting distributions (on request)
- Main body in die-cast aluminum
- Automatic disconnection switch on opening.
- Shield in extra-clear and prismatic tempered glass
- Customizable diffusers in frosted PMMA
- House side shield

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.



Dimensions - Area - Weight

Height	Width	Lenght	Weight	IP	IK	Area exposed to wind
841 mm	393 mm	393 mm	8.6 kg	66	09	0.09 m ²

Electrical characteristics

Voltage	Frequency	Cos ϕ	Insulation class	Operative Temp.
220-240V	50-60Hz	>0.9	CL II	-25°C / Ta*

* Ta +50°C | 1.500lm-7.500lm, CCT 3000K/4000K | 9.000lm, 4000K
Ta +35°C | 9.000lm-10.500lm, CCT 3000K/4000K

- Classe I of insulation (on request).

Connection

- Suspended: G3/4" threaded connection.

Materials

- Die-cast aluminium (UNI EN 1706).
- Extra clear transparent and prismatic tempered flat glass.
- Polycarbonate.
- Stainless steel fasteners.

Structure - Main components

- Tilting upper square frame made in die-cast aluminum.
- Bottom frame made in die-cast aluminum with four bracket.
- Shield in flat tempered glass with impact resistance (EN 62262) IK09 (transparent glass) and IK07 (prismatic glass).
- White internal reflector.
- Silicone gasket between the upper and lower frames.
- 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.
- Terminal block for cables with max. 2.5 mm² cross-section.
- Standard surge protection for differential/common mode 10kV/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.

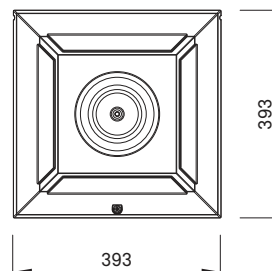
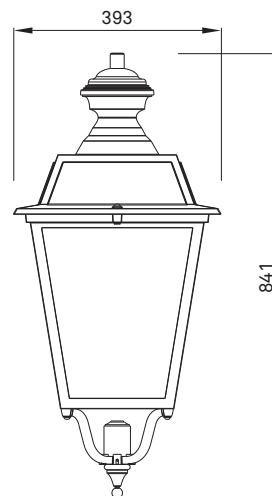
Painting

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

Accessories

- Zhaga connector.
- Power cable with quick connector.
- Diffusers in frosted PMMA (Cod. LU80303).

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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
7500	55.4	135	32	2 x 280	49.5	151
9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

Driver functions

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

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

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

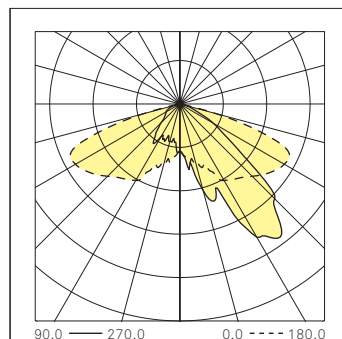
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

Zhaga connector-D4i

POLAR DIAGRAMS

Type II - D

Luminous intensity class G*3



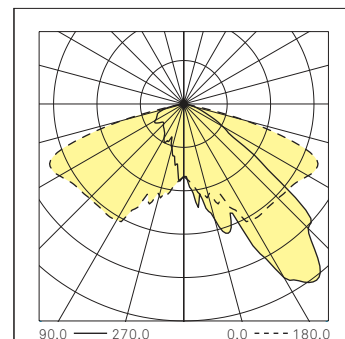
Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	72	97	100	100



Type III - B

Luminous intensity class G*3



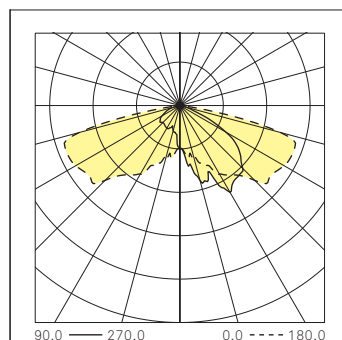
Flux code CIE

N.1	N.2	N.3	N.4	N.5
35	72	96	100	100



Type III - C

Luminous intensity class G*2



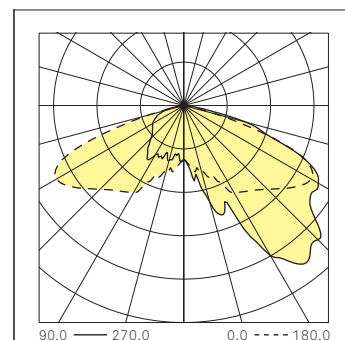
Flux code CIE

N.1	N.2	N.3	N.4	N.5
29	65	94	100	100



Type III - H

Luminous intensity class G*4



Flux code CIE

N.1	N.2	N.3	N.4	N.5
29	66	95	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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
7500	55.4	135	32	2 x 280	49.5	151
9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

Driver functions

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

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

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

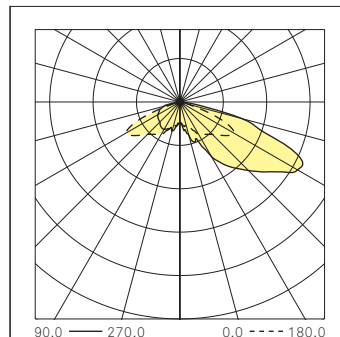
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

Zhaga connector-D4i

POLAR DIAGRAMS

Type IV - A

Luminous intensity class G*2



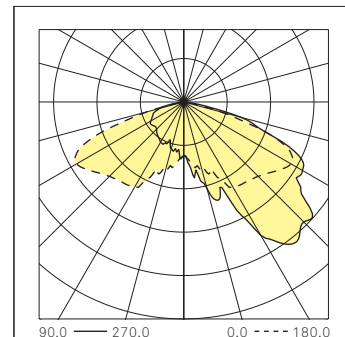
Flux code CIE

N.1	N.2	N.3	N.4	N.5
23	59	94	100	100



Type IV - C

Luminous intensity class G*4



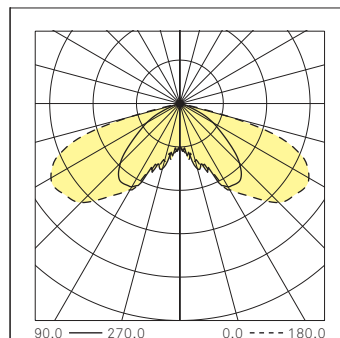
Flux code CIE

N.1	N.2	N.3	N.4	N.5
29	66	95	100	100



Type I - A

Luminous intensity class G*6



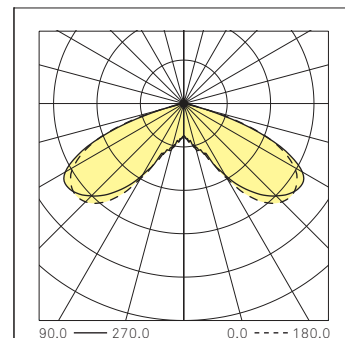
Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	77	98	100	100



Type V - A

Luminous intensity class G*6



Flux code CIE

N.1	N.2	N.3	N.4	N.5
23	65	96	100	100



DESCRIPTION

Optic configuration - Prismatic 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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.8	127	16	2 x 111	9.5	158
2500	19.2	130	16	2 x 190	16.5	152
3500	27.7	126	16	2 x 272	24.0	146
4500	34.0	132	24	2 x 230	30.2	149
6000	47.7	126	24	2 x 314	41.9	143
7500	57.9	130	32	2 x 293	51.9	144
9000	70.7	127	32	2 x 358	64.1	140
10500	85.0	124	32	2 x 425	77.0	136

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 181	15.7	159
3500	26.6	132	16	2 x 259	22.9	153
4500	32.6	138	24	2 x 220	28.8	156
6000	45.6	132	24	2 x 300	39.9	150
7500	55.4	135	32	2 x 280	49.4	152
9000	67.4	134	32	2 x 341	61.0	148
10500	81.0	130	32	2 x 405	73.1	144

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

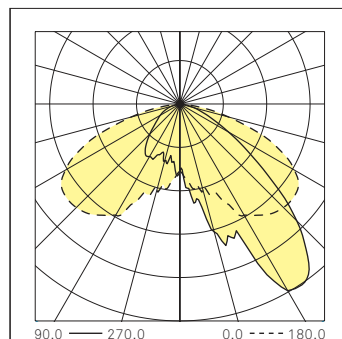
Driver functions

ON-OFF + NCL (On-Off + Neri Constant Lumen)**1-10V + NCL** (Analogic control + Neri Constant Lumen)**AmpDim + NCL** (Flux regulator + Neri Constant Lumen)**DALI + NCL** (Digital control + Neri Constant Lumen)**NVL6H + NCL** (Autodimming -30% x 6h + Neri Constant Lumen)**Zhaga connector-D4i**

POLAR DIAGRAMS

Type II - D

Luminous intensity class G*6



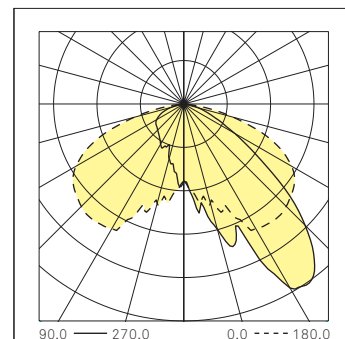
Flux code CIE

N.1	N.2	N.3	N.4	N.5
38	76	96	100	100



Type III - B

Luminous intensity class G*6



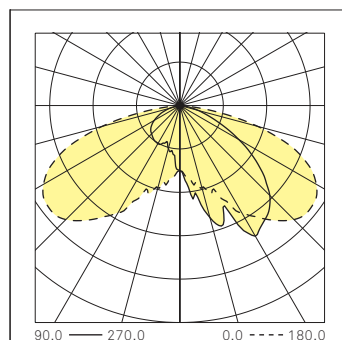
Flux code CIE

N.1	N.2	N.3	N.4	N.5
39	76	96	100	100



Type III - C

Luminous intensity class G*2



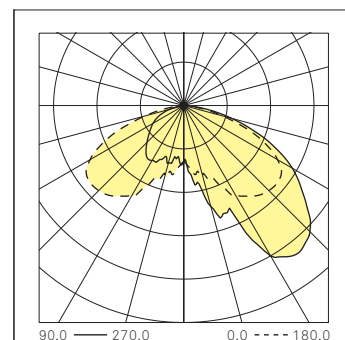
Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	71	95	100	100



Type III - H

Luminous intensity class G*6



Flux code CIE

N.1	N.2	N.3	N.4	N.5
33	71	95	100	100



DESCRIPTION

Optic configuration - Prismatic 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.
- 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).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.8	127	16	2 x 111	9.5	158
2500	19.2	130	16	2 x 190	16.5	152
3500	27.7	126	16	2 x 272	24.0	146
4500	34.0	132	24	2 x 230	30.2	149
6000	47.7	126	24	2 x 314	41.9	143
7500	57.9	130	32	2 x 293	51.9	144
9000	70.7	127	32	2 x 358	64.1	140
10500	85.0	124	32	2 x 425	77.0	136

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 181	15.7	159
3500	26.6	132	16	2 x 259	22.9	153
4500	32.6	138	24	2 x 220	28.8	156
6000	45.6	132	24	2 x 300	39.9	150
7500	55.4	135	32	2 x 280	49.4	152
9000	67.4	134	32	2 x 341	61.0	148
10500	81.0	130	32	2 x 405	73.1	144

** 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: 164 lm/W @ T_j=25°C, 800 mA, 3000K
Source efficiency LED: 169 lm/W @ T_j=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (T_q = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

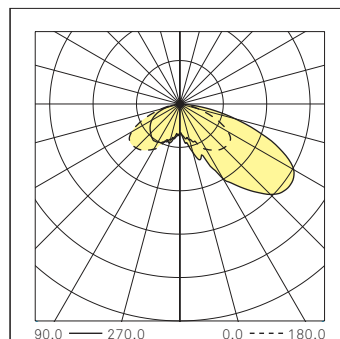
Driver functions

ON-OFF + NCL (On-Off + Neri Constant Lumen)**1-10V + NCL** (Analogic control + Neri Constant Lumen)**AmpDim + NCL** (Flux regulator + Neri Constant Lumen)**DALI + NCL** (Digital control + Neri Constant Lumen)**NVL6H + NCL** (Autodimming -30% x 6h + Neri Constant Lumen)**Zhaga connector-D4i**

POLAR DIAGRAMS

Type IV - A

Luminous intensity class G*2



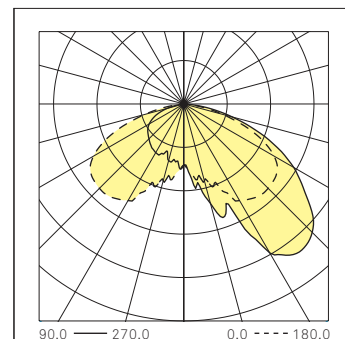
Flux code CIE

N.1	N.2	N.3	N.4	N.5
28	66	94	100	100



Type IV - C

Luminous intensity class G*6



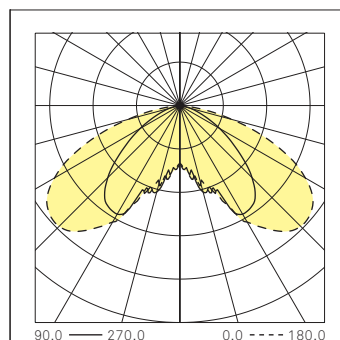
Flux code CIE

N.1	N.2	N.3	N.4	N.5
34	71	95	100	100



Type I - A

Luminous intensity class G*6



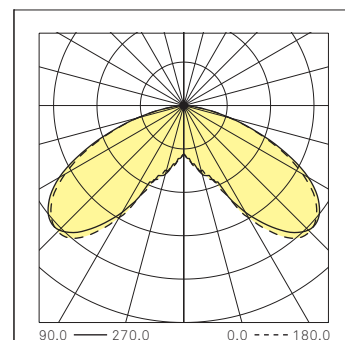
Flux code CIE

N.1	N.2	N.3	N.4	N.5
38	78	97	100	100



Type V - A

Luminous intensity class G*6



Flux code CIE

N.1	N.2	N.3	N.4	N.5
27	69	95	100	100



DESCRIPTION

Optic configuration - Transparent screen and diffusers in PMMA

Lighting distribution	Distribution type	LOR*	ULOR
Type II - D	Asymmetric	0.86	7.70%
Type III - B	Asymmetric	0.85	7.73%
Type III - C	Asymmetric	0.85	8.05%
Type III - H	Asymmetric	0.85	7.94%

* optical efficiency of the device due to physical shielding.
- Modular (2 X 2) refractive lens in PMMA.
- Wide range of optical lighting distributions (on request).

Luminous Flux - 3000K, Tq=25°C

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
7500	55.4	135	32	2 x 280	49.5	151
9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, Tq=25°C

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

** The energetic values in the table are referred to the LED + Power supply. The values of luminous flux and system efficiency are obtained by multiplying the values in the table by the coefficients of efficiency (LOR) indicated in the optical configuration.

- CCT 2200K and 2700K on request.
- LED type: Lumileds Luxeon 5050
- Source efficiency LED: 164 lm/W @ Tj=25°C, 800 mA, 3000K
- Source efficiency LED: 169 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 (Tq = 25°C)
- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity $\Delta u'v' \leq 0.003$
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

Driver functions

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

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

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

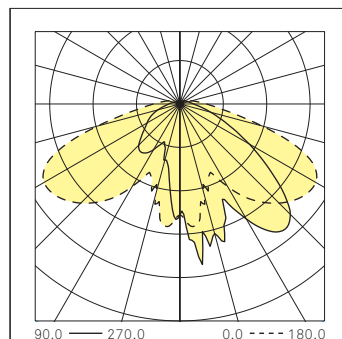
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

Zhaga connector-D4i

POLAR DIAGRAMS

Type II - D

Luminous intensity class -



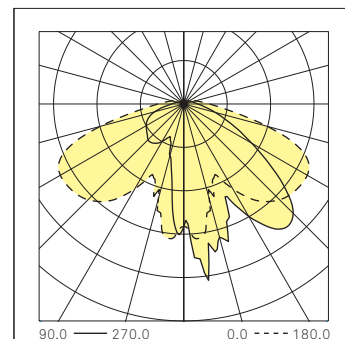
Flux code CIE

N.1 N.2 N.3 N.4 N.5
29 64 89 91 86



Type III - B

Luminous intensity class -



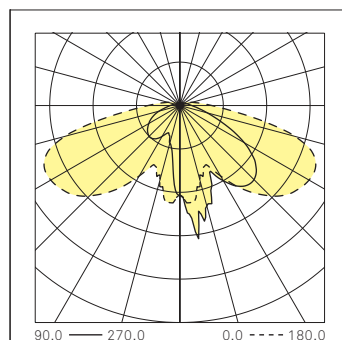
Flux code CIE

N.1 N.2 N.3 N.4 N.5
30 64 89 91 85



Type III - C

Luminous intensity class -



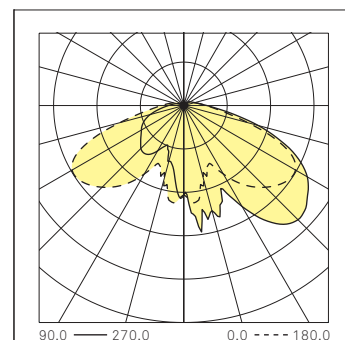
Flux code CIE

N.1 N.2 N.3 N.4 N.5
26 59 86 91 85



Type III - H

Luminous intensity class -



Flux code CIE

N.1 N.2 N.3 N.4 N.5
26 60 87 91 85



DESCRIPTION

Optic configuration - Transparent screen and diffusers in PMMA

Lighting distribution	Distribution type	LOR*	ULOR
Type IV - A	Forward throw	0.84	8.19%
Type IV - C	Forward throw	0.84	7.91%
Type I - A	Center road	0.87	7.83%
Type V - A	Rotosymmetric	0.86	8.23%

* optical efficiency of the device due to physical shielding.
- Modular (2 X 2) refractive lens in PMMA.
- Wide range of optical lighting distributions (on request).

Luminous Flux - 3000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 182	15.7	159
3500	26.6	131	16	2 x 260	22.9	153
4500	32.6	138	24	2 x 220	28.9	156
6000	45.7	131	24	2 x 300	40.0	150
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9000	67.5	133	32	2 x 342	61.1	147
10500	81.1	129	32	2 x 405	73.3	143

Luminous Flux - 4000K, T_q=25°C

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
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7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136	32	2 x 387	69.6	151

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- Colour Rendering Index: ≥ 70 (80 on request)
- Angular color uniformity Δu'v' ≤ 0.003
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited

Driver

Driver functions

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

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

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

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

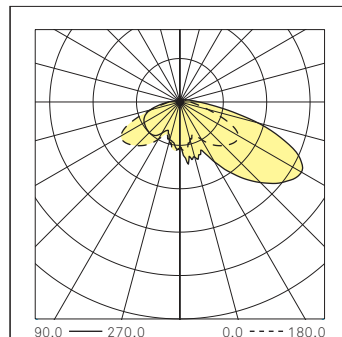
Zhaga connector-D4i

POLAR DIAGRAMS

Type IV - A

Luminous intensity class

-



Flux code CIE

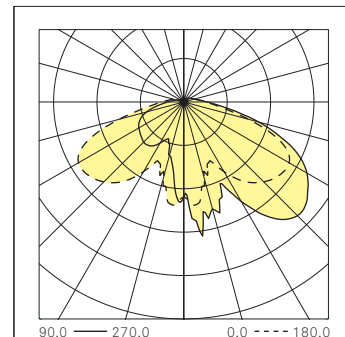
N.1 N.2 N.3 N.4 N.5
22 55 86 90 84



Type IV - C

Luminous intensity class

-



Flux code CIE

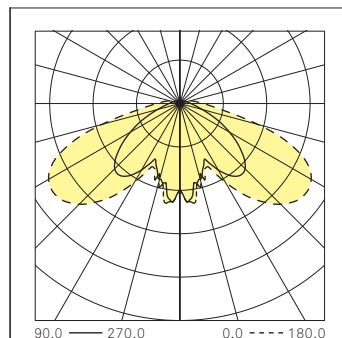
N.1 N.2 N.3 N.4 N.5
29 59 87 91 84



Type I - A

Luminous intensity class

-



Flux code CIE

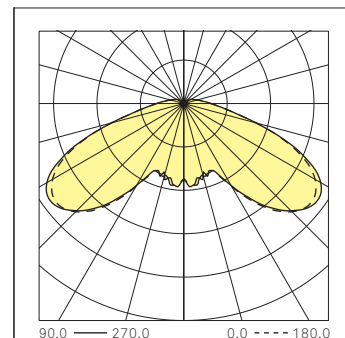
N.1 N.2 N.3 N.4 N.5
29 66 90 91 87



Type V - A

Luminous intensity class

-



Flux code CIE

N.1 N.2 N.3 N.4 N.5
22 58 87 90 86

