

ESSENTIAL

PRODUCTS

- 12 ANTARES
- 20 POLIS
- 32 LYRA
- 38 NOVA
- 52 LIGHT 21
- 60 LIGHT 803
- 72 REFITTING KIT



Neri SpA is an Italian company that, since 1962, has been dedicated to creating solutions for public lighting and urban furniture.

We do not simply illuminate and furnish; we aspire to create a dynamic dialogue with the city always remaining respectful of its history and context.

Each project is designed to integrate and interact with the urban environment and its inhabitants, enriching and enhancing it.

With decades of experience, we have improved our ability to listen to and respond to the needs of the spaces we touch.

Every solution we propose is the result of a careful balance between aesthetics and functionality, between innovation and tradition.

At Neri SpA, each new challenge is an opportunity to demonstrate that quality and attention to detail can go hand in hand with care for our environment.

5000+

Municipalities served in

60

Countries

200+

Custom projects per year

160

People

200

Product designers
we've collaborated with

60

Years



Longiano, IT

Neri S.p.A. (Headquarters)

Miami, US

Neri North America Inc.

Dubai, UA

Neri S.p.A. (DMCC Branch)

Bangalore, IN

Neri Lighting India Pvt. Ltd.



Neri

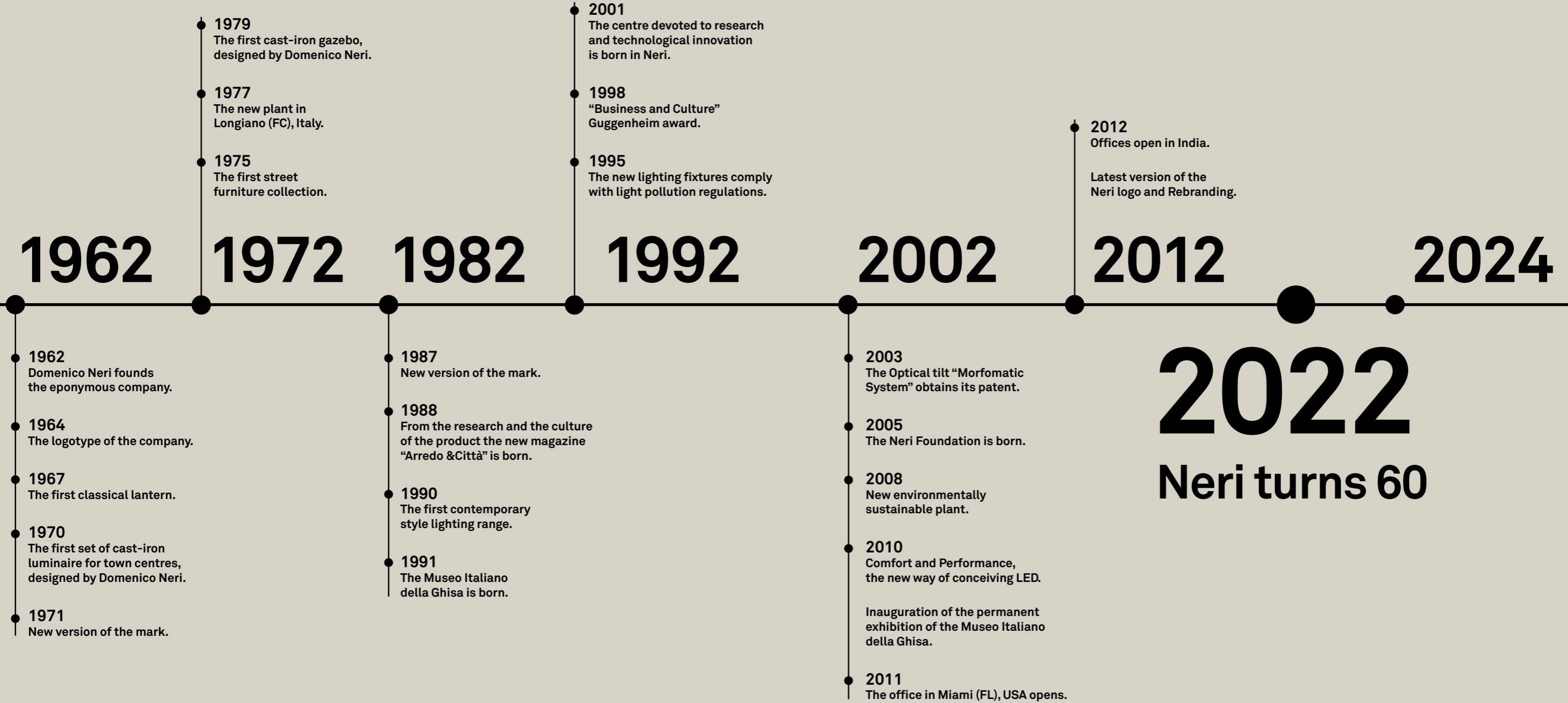
Our mission is to decorate and illuminate the city and the collective outdoor spaces, respecting their culture, environment, opportunities for meeting and exchange, safety and comfort.

Since 1962, Neri has been a symbol of excellence in the field of high-end urban furniture and lighting systems in Italy and around the world.

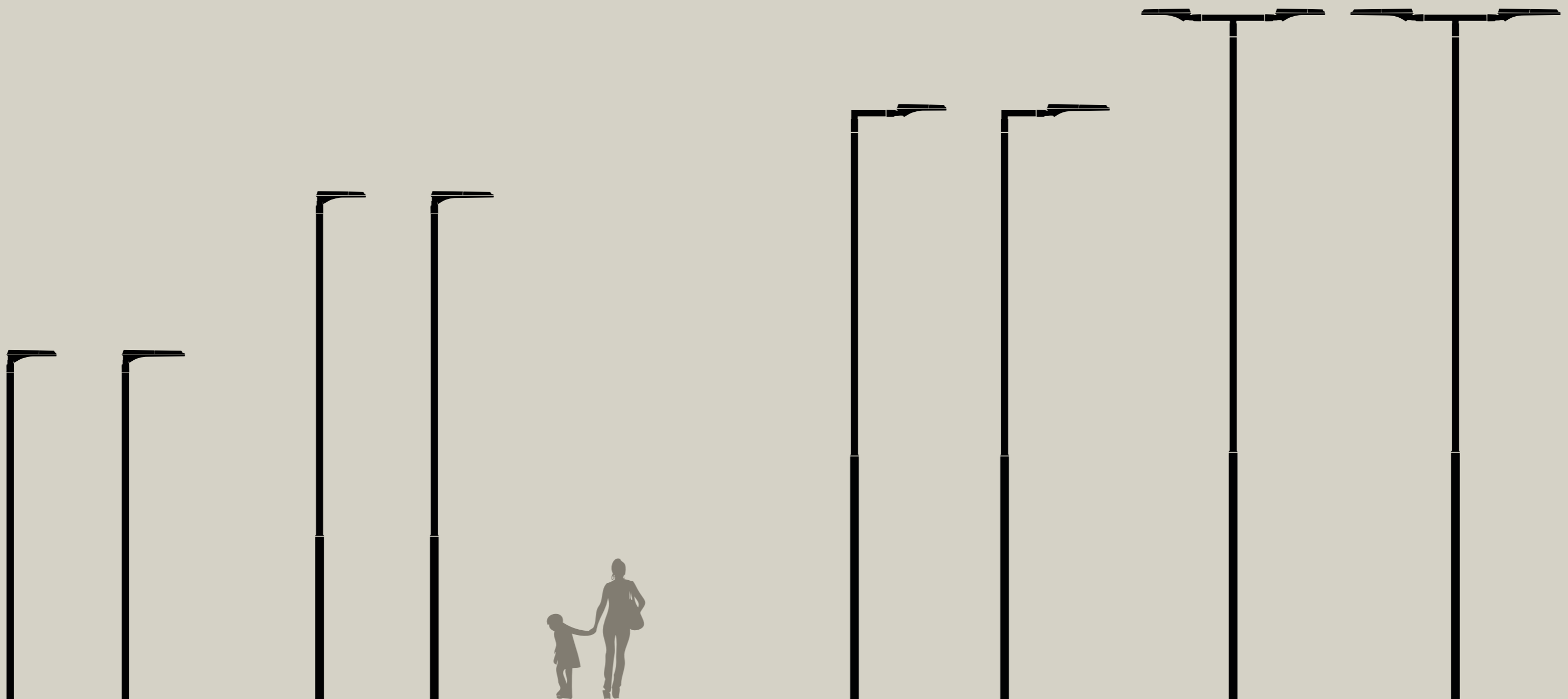
Neri is the reference model in this sector for thousands of Italian districts and numerous hospitality, residential, and commercial locations worldwide.

Restoration activities, reproductions, custom-made products, and collaborations with architects, lighting designers, and energy managers are part of what our company, present in over 100 countries, has to offer.

History timeline







ANTARES S

Post top luminaires
Post top luminaires with arms

Design: Makio Hasuike

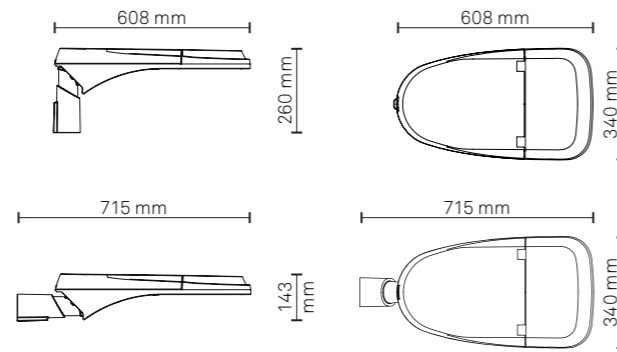
Mechanical characteristics

Height	260 mm
Width	340 mm
Length	608 mm
Weight	10.5 Kg
IP	66
IK	08
Area exposed to wind	0.062 m ²

Electrical characteristics

Voltage	220-240V
Frequency	50-60 Hz
Cos φ	> 0.9
Insulation class	CL II
Operative Temp.	-35°C / +50°C

- Class I of insulation on request.



TECHNICAL DATA:

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.

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 (PC).

Structure - Main components

- Cover tilting in aluminum, for access to wiring compartment.
- Shield in extra-clear tempered glass with impact resistance IK08 (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.

Painting

- Powder coating.
- Standard colour: 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 optic I, III C).

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnection switch on opening.
- Terminal block for wires with max. section of 2.5mm².
- Power cable entry with PG16 cable gland (Ø 10-14mm).
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (on request).
- Reflector in plastic material for luminous flux recovery and glare reduction.
- LED type: Lumileds Luxeon 5050
- Source efficiency LED: 181 lm/W @ Tj=25°C, 400 mA, 2700K
- Source efficiency LED: 188 lm/W @ Tj=25°C, 400 mA, 3000K
- Source efficiency LED: 195 lm/W @ Tj=25°C, 400 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 .
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

ANTARES S

Screen: Transparent

Design: Makio Hasuike

Luminous Flux - 2700K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.8	138	16	2 x 99	8.5	178
2500	17.7	141	16	2 x 168	14.6	172
3500	24.6	142	16	2 x 240	21.1	166
4500	31.9	141	16	2 x 316	28.1	160
6000	41.4	145	24	2 x 278	36.8	163
7500	52.4	143	24	2 x 354	47.6	157
9000	64.5	140	24	2 x 434	59.1	152

Luminous Flux - 3000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.5	144	16	2 x 95	8.1	185
2500	17.0	147	16	2 x 162	14.0	179
3500	23.7	148	16	2 x 231	20.2	173
4500	30.6	147	16	2 x 303	26.9	167
6000	39.6	151	24	2 x 266	35.2	170
7500	50.3	149	24	2 x 340	45.5	165
9000	61.6	146	24	2 x 416	56.5	159

Luminous Flux - 4000K

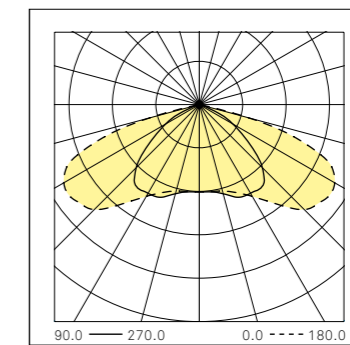
System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.0	149	16	2 x 91	7.8	193
2500	16.3	153	16	2 x 155	13.3	188
3500	22.7	154	16	2 x 220	19.3	182
4500	29.3	154	16	2 x 289	25.6	176
6000	37.8	159	24	2 x 254	33.6	179
7500	48.1	156	24	2 x 324	43.3	173
9000	58.7	153	24	2 x 397	53.7	168
10500	70.5	149	24	2 x 472	64.6	163

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

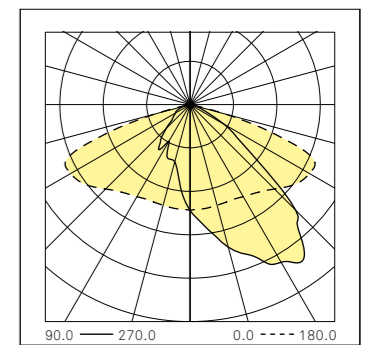
Driver functions

- 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**

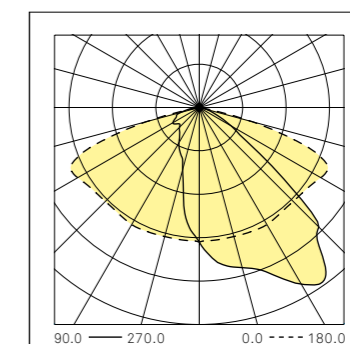
Type I - A



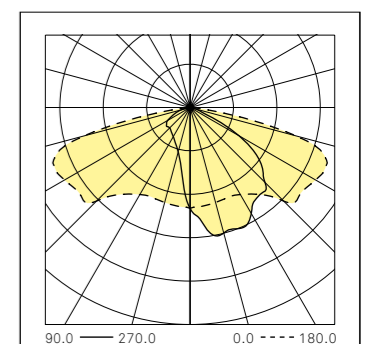
Type II - D



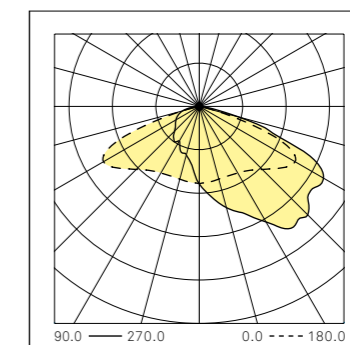
Type III - B



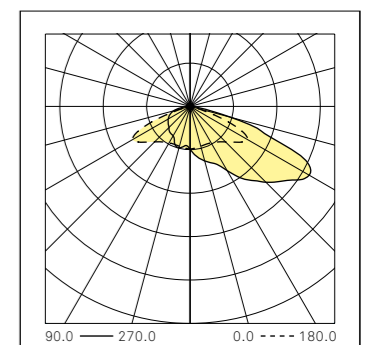
Type III - C



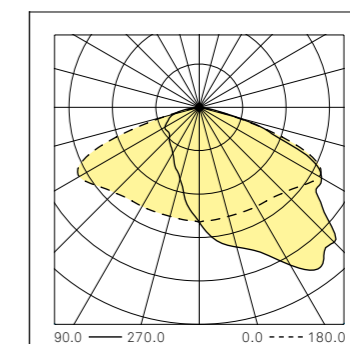
Type III - H



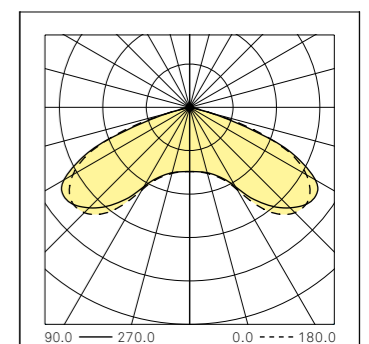
Type IV - A



Type IV - C



Type V - A

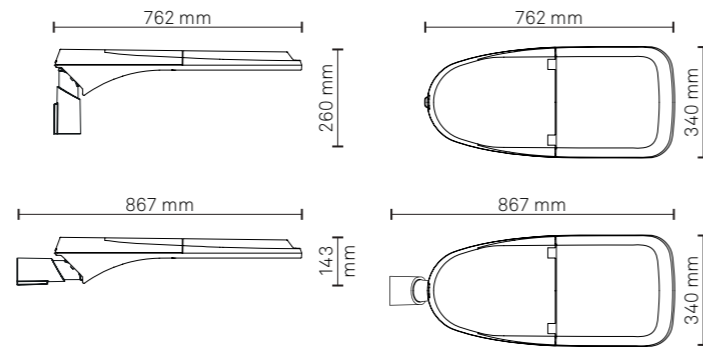


ANTARES L

Post top luminaires
Post top luminaires with arms

Design: Makio Hasuike

Mechanical characteristics	Electrical characteristics
Height	260 mm
Width	340 mm
Length	762 mm
Weight	13 Kg
IP	66
IK	08
Area exposed to wind	0.064 m ²
Voltage	220-240V
Frequency	50-60 Hz
Cos φ	> 0.9
Insulation class	CL II ☑
Operative Temp.	-35°C / +50°C
- Class I of insulation on request.	



TECHNICAL DATA:

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.

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 (PC).

Structure - Main components

- Cover tilting in aluminum, for access to wiring compartment.
- Shield in extra-clear tempered glass with impact resistance IK08 (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.

Painting

- Powder coating.
- Standard colour: 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 optic I, III C).

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnection switch on opening.
- Terminal block for wires with max. section of 2.5mm².
- Power cable entry with PG16 cable gland (Ø 10-14mm).
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (on request).
- Reflector in plastic material for luminous flux recovery and glare reduction.
- LED type: Lumileds Luxeon 5050
- Source efficiency LED: 181 lm/W @ Tj=25°C, 400 mA, 2700K
- Source efficiency LED: 188 lm/W @ Tj=25°C, 400 mA, 3000K
- Source efficiency LED: 195 lm/W @ Tj=25°C, 400 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 .
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

ANTARES L

Screen: Transparent

Design: Makio Hasuike

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

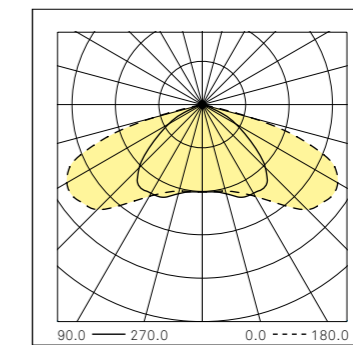
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	47.2	159	40	2 x 187	40.6	185
9000	56.7	159	40	2 x 227	49.7	181
10500	66.5	158	40	2 x 268	59.1	178
12000	76.6	157	40	2 x 310	68.9	174
13500	87.1	155	40	2 x 353	79.0	171
15000	91.6	164	60	2 x 254	83.9	179
18000	111	161	60	2 x 310	103.3	174
21000	133	158	60	2 x 367	123.7	170

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

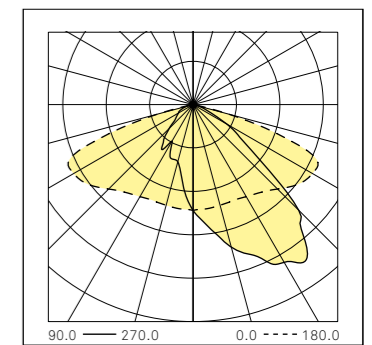
Driver functions

- 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**

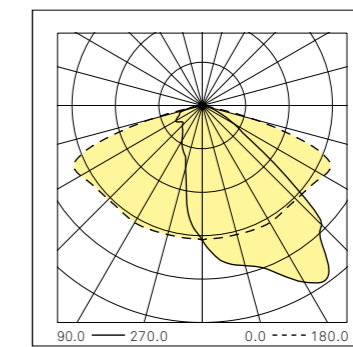
Type I - A



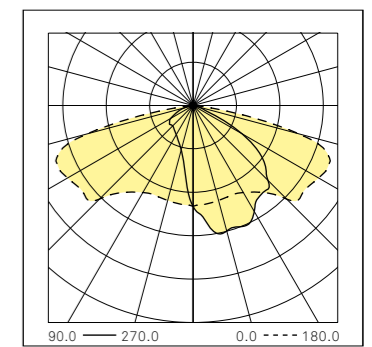
Type II - D



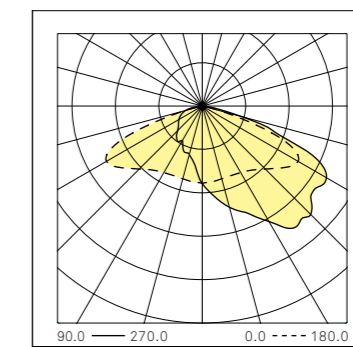
Type III - B



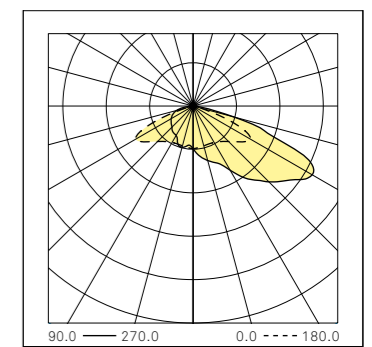
Type III - C



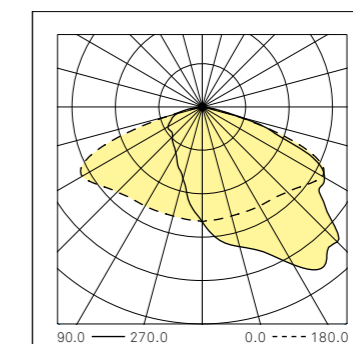
Type III - H



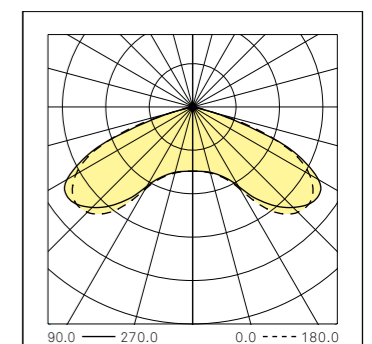
Type IV - A



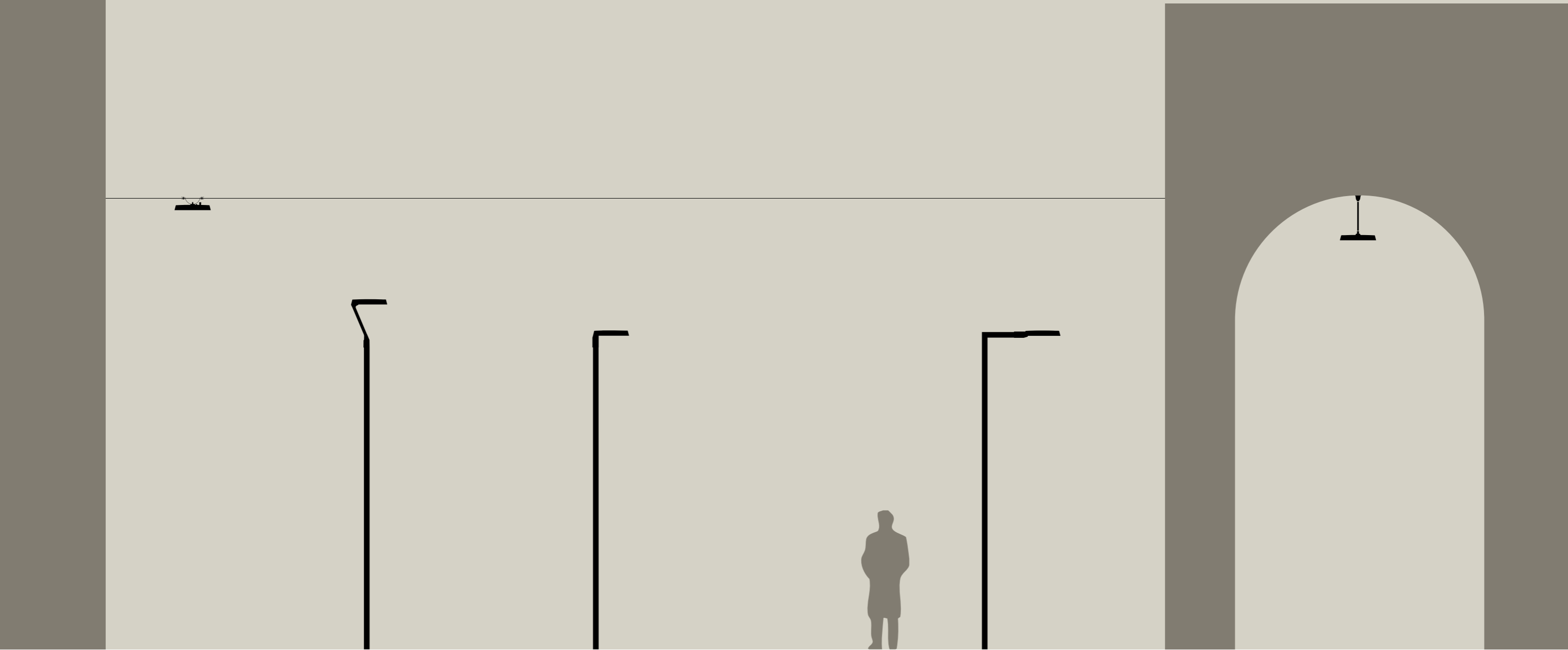
Type IV - C



Type V - A



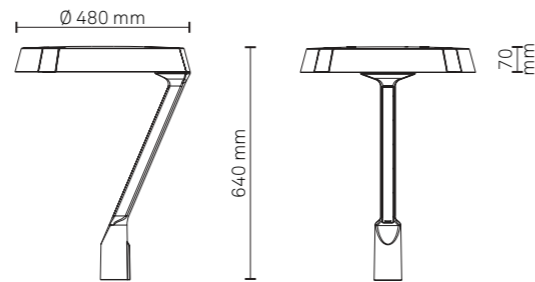




POLIS TOP

Post top luminaires

Mechanical characteristics		Electrical characteristics	
Height	640 mm	Voltage	220-240V
Width	480 mm	Frequency	50-60 Hz
Length	480 mm	Cos φ	> 0.9
Weight	9.5 Kg	Insulation class	CL II <input type="checkbox"/>
IP	66	Operative Temp.	-40°C / +50°C
IK	09	- Class I of insulation on request.	
Area exposed to wind	0.062 m ²		



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA index A3+.
- Power cable supplied.
- 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.
- Fall-arrest glass protection.
- Driver programming without product opening.

Connection

- Post top mounting on tubes Ø 60mm, external diameter Ø 76mm.

Materials

- Die-cast aluminum (UNI EN 1706).
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless steel screws.
- Polycarbonate (PC).

Structure - Main components

- Upper shell and lower skirt frame in die-cast aluminum.
- White internal reflector in PC.
- Shield in flat tempered glass with impact resistance IK09 (EN 62262).
- Integrated heat sink in die-cast aluminum.
- Gasket in EPDM between upper frame and screen.

Painting

- Powder coating.
- Standard colour: Neri grey.

Accessories

- Side and post top mounting accessory for tubes Ø 48mm (external diameter Ø 76mm).
- Zhaga connector.
- Nema socket (3 or 7 pin).

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Terminal block for wires with max. section of 2.5mm².
- Power cable supplied.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

POLIS TOP

Screen: Transparent

Luminous Flux - 2700K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	17.3	145	16	2 x 170	14.7	170
3500	25.1	139	16	2 x 243	21.3	164
4500	32.2	140	16	2 x 319	28.4	158
6000	41.6	144	24	2 x 281	37.2	161
7500	54.1	139	24	2 x 358	48.2	156
9000	63.0	143	32	2 x 319	56.8	158
10500	74.9	140	32	2 x 378	68.0	154
12000	87.9	137	32	2 x 439	79.8	150
13500	93.6	144	48	2 x 319	85.2	158

Luminous Flux - 3000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.7	150	16	2 x 163	14.1	177
3500	24.2	145	16	2 x 233	20.4	171
4500	30.9	146	16	2 x 306	27.2	166
6000	39.8	151	24	2 x 269	35.6	168
7500	51.9	144	24	2 x 344	46.1	163
9000	60.4	149	32	2 x 306	54.4	166
10500	71.7	147	32	2 x 363	65.0	161
12000	84.2	143	32	2 x 421	76.2	157
13500	89.7	150	48	2 x 306	81.6	166

Luminous Flux - 4000K

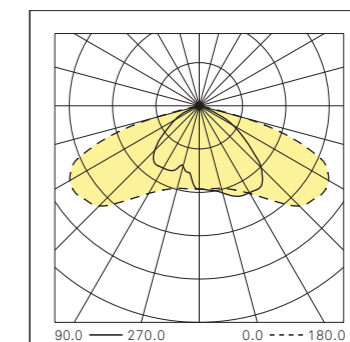
System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.0	156	16	2 x 156	13.5	186
3500	23.3	150	16	2 x 223	19.5	180
4500	29.6	152	16	2 x 292	25.9	174
6000	37.9	158	24	2 x 257	34.0	177
7500	49.6	151	24	2 x 328	43.8	171
9000	57.8	156	32	2 x 292	51.8	174
10500	68.3	154	32	2 x 346	61.9	170
12000	80.2	150	32	2 x 401	72.4	166
13500	85.7	158	48	2 x 292	77.6	174

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K on demand.

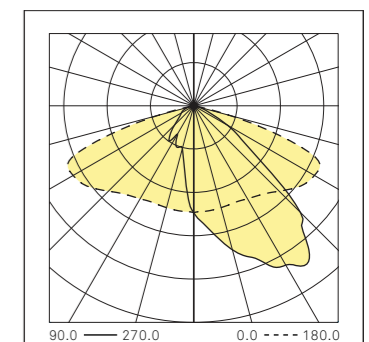
Driver functions

- 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**

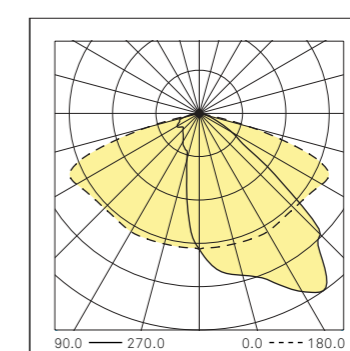
Type I - A



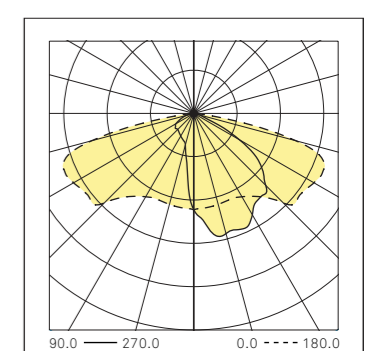
Type II - D



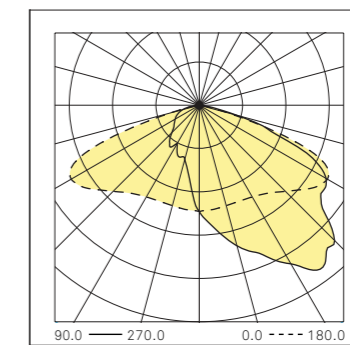
Type III - B



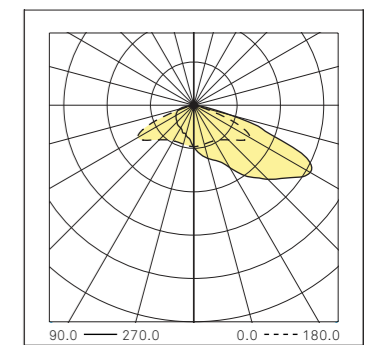
Type III - C



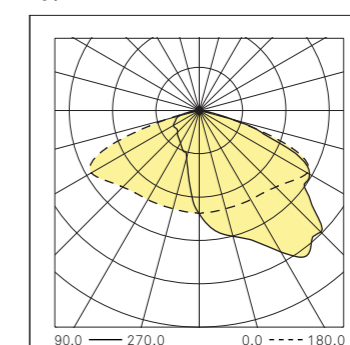
Type III - H



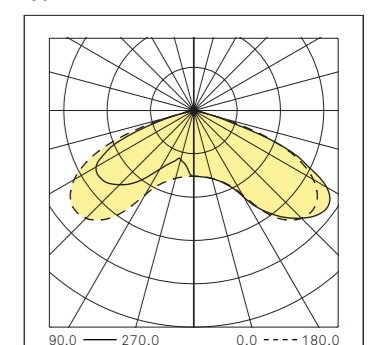
Type IV - A



Type IV - C



Type V - A



POLIS LATERAL

Post top luminaires
Post top luminaires with arms

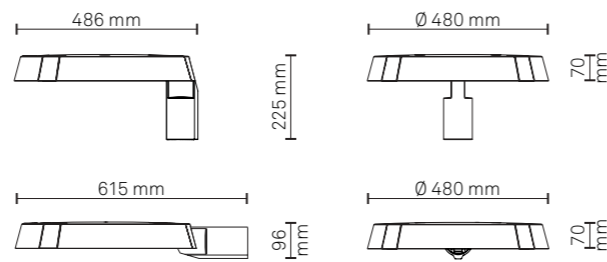
Mechanical characteristics

Height	225 mm
Width	480 mm
Length	486 mm
Weight	8.8 Kg
IP	66
IK	09
Area exposed to wind	0.045 m ²

Electrical characteristics

Voltage	220-240V
Frequency	50-60 Hz
Cos φ	> 0.9
Insulation class	CL II
Operative Temp.	-40°C / +50°C

- Class I of insulation on request.



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA index A3+.
- Power cable supplied.
- 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.
- Fall-arrest glass protection.
- Driver programming without product opening.

Connection

- Side or post top mounting on tubes from Ø 60mm, external diameter Ø 76mm.
- Bracket with a tilting system of 20° (5° step).
- Adjustable from 0° to +20° with post top configuration and from 0° to -20° with outreach configuration.
- Fixing by two grub screws M8 lock nuts with stainless steel.

Materials

- Die-cast aluminum (UNI EN 1706).
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless steel screws.
- Polycarbonate (PC).

Structure - Main components

- Main body in die-cast aluminum.
- Internal reflector in PC.
- Shield in flat tempered glass with impact resistance IK09 (EN 62262).
- Integrated heat sink in die-cast aluminum.
- Gasket in EPDM between upper frame and screen.

Painting

- Powder coating.
- Standard colour: Neri grey.

Accessories

- Side and post top mounting accessory for tubes Ø 48mm (external diameter Ø 76mm).
- Zhaga connector.
- Nema socket (3 or 7 pin).

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Terminal block for wires with max. section of 2.5mm².
- Power cable supplied.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

POLIS LATERAL

Screen: Transparent

Luminous Flux - 2700K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	17.3	145	16	2 x 170	14.7	170
3500	25.1	139	16	2 x 243	21.3	164
4500	32.2	140	16	2 x 319	28.4	158
6000	41.6	144	24	2 x 281	37.2	161
7500	54.1	139	24	2 x 358	48.2	156
9000	63.0	143	32	2 x 319	56.8	158
10500	74.9	140	32	2 x 378	68.0	154
12000	87.9	137	32	2 x 439	79.8	150
13500	93.6	144	48	2 x 319	85.2	158

Luminous Flux - 3000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.7	150	16	2 x 163	14.1	177
3500	24.2	145	16	2 x 233	20.4	171
4500	30.9	146	16	2 x 306	27.2	166
6000	39.8	151	24	2 x 269	35.6	168
7500	51.9	144	24	2 x 344	46.1	163
9000	60.4	149	32	2 x 306	54.4	166
10500	71.7	147	32	2 x 363	65.0	161
12000	84.2	143	32	2 x 421	76.2	157
13500	89.7	150	48	2 x 306	81.6	166

Luminous Flux - 4000K

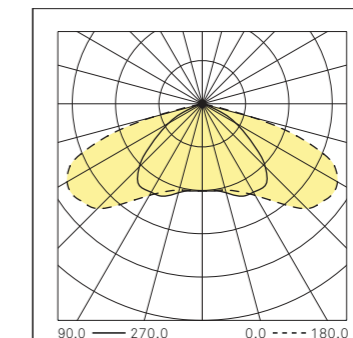
System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.0	156	16	2 x 156	13.5	186
3500	23.3	150	16	2 x 223	19.5	180
4500	29.6	152	16	2 x 292	25.9	174
6000	37.9	158	24	2 x 257	34.0	177
7500	49.6	151	24	2 x 328	43.8	171
9000	57.8	156	32	2 x 292	51.8	174
10500	68.3	154	32	2 x 346	61.9	170
12000	80.2	150	32	2 x 401	72.4	166
13500	85.7	158	48	2 x 292	77.6	174

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K on demand.

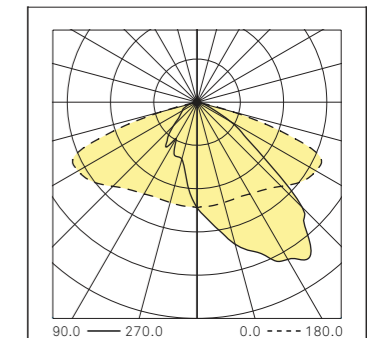
Driver functions

- 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**

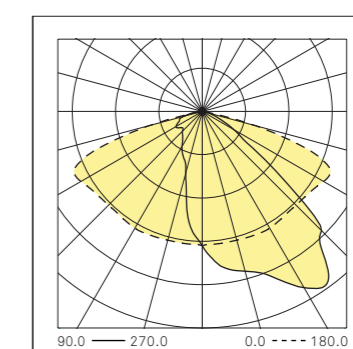
Type I - A



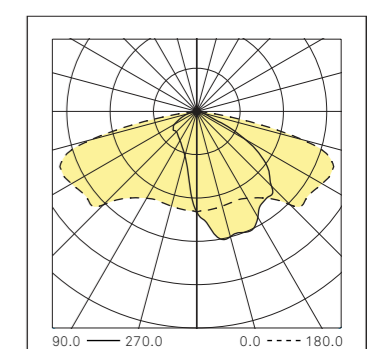
Type II - D



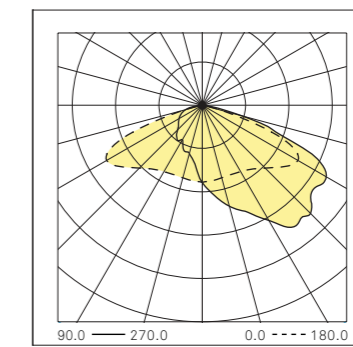
Type III - B



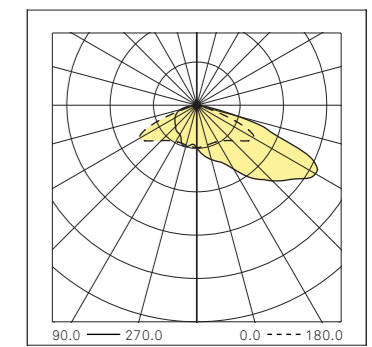
Type III - C



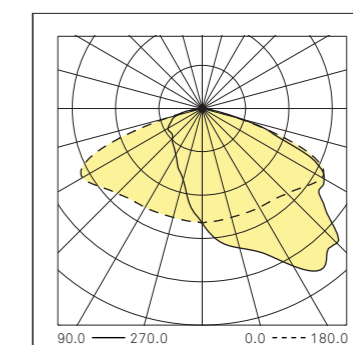
Type III - H



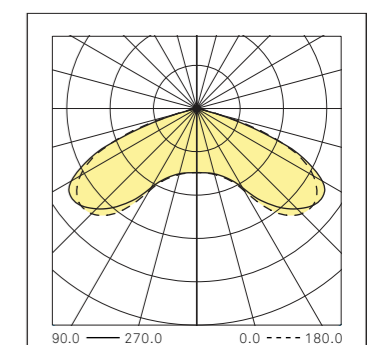
Type IV - A



Type IV - C



Type V - A



POLIS PENDANT

Suspended luminaires

Mechanical characteristics		Electrical characteristics	
Height	120 mm	Voltage	220-240V
Width	480 mm	Frequency	50-60 Hz
Length	480 mm	Cos φ	> 0.9
Weight	8 Kg	Insulation class	CL II
IP	66	Operative Temp.	-40°C / +50°C
IK	09	- Class I of insulation on request.	
Area exposed to wind	0.035 m ²		



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA index 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.
- Fall-arrest glass protection.
- Driver programming without product opening.

Connection

- Suitable for suspended mounting.
- Thread tube G 3/4".

Materials

- Die-cast aluminum (UNI EN 1706).
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless steel screws.
- Polycarbonate (PC).

Structure - Main components

- Main body in die-cast aluminum.
- Internal reflector in PC.
- Shield in flat tempered glass with impact resistance IK09 (EN 62262).
- Integrated heat sink in die-cast aluminum.
- Gasket in EPDM between upper frame and screen.

Painting

- Powder coating.
- Standard colour: Neri grey.

Accessories

- Zhaga connector.
- Nema socket (3 or 7 pin).

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Terminal block for wires with max. section of 2.5mm².
- Input power cable with PG13.5 cable gland (Ø 6-12mm).
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

POLIS PENDANT

Screen: Transparent

Luminous Flux - 2700K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	17.3	145	16	2 x 170	14.7	170
3500	25.1	139	16	2 x 243	21.3	164
4500	32.2	140	16	2 x 319	28.4	158
6000	41.6	144	24	2 x 281	37.2	161
7500	54.1	139	24	2 x 358	48.2	156
9000	63.0	143	32	2 x 319	56.8	158
10500	74.9	140	32	2 x 378	68.0	154
12000	87.9	137	32	2 x 439	79.8	150
13500	93.6	144	48	2 x 319	85.2	158

Luminous Flux - 3000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.7	150	16	2 x 163	14.1	177
3500	24.2	145	16	2 x 233	20.4	171
4500	30.9	146	16	2 x 306	27.2	166
6000	39.8	151	24	2 x 269	35.6	168
7500	51.9	144	24	2 x 344	46.1	163
9000	60.4	149	32	2 x 306	54.4	166
10500	71.7	147	32	2 x 363	65.0	161
12000	84.2	143	32	2 x 421	76.2	157
13500	89.7	150	48	2 x 306	81.6	166

Luminous Flux - 4000K

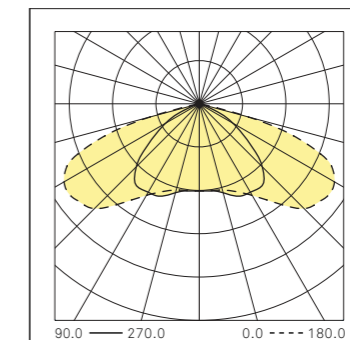
System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.0	156	16	2 x 156	13.5	186
3500	23.3	150	16	2 x 223	19.5	180
4500	29.6	152	16	2 x 292	25.9	174
6000	37.9	158	24	2 x 257	34.0	177
7500	49.6	151	24	2 x 328	43.8	171
9000	57.8	156	32	2 x 292	51.8	174
10500	68.3	154	32	2 x 346	61.9	170
12000	80.2	150	32	2 x 401	72.4	166
13500	85.7	158	48	2 x 292	77.6	174

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K on demand.

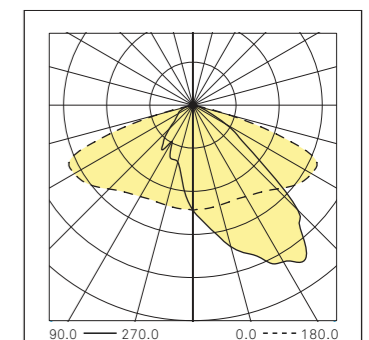
Driver functions

- 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**

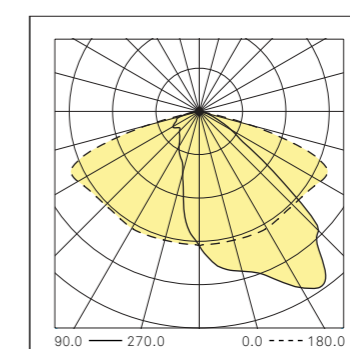
Type I - A



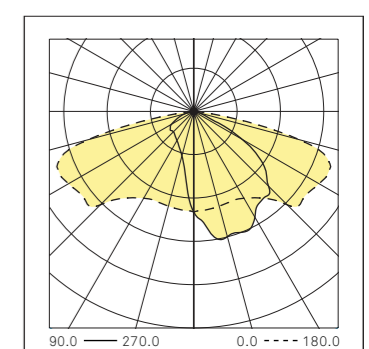
Type II - D



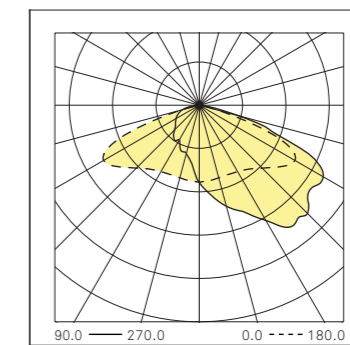
Type III - B



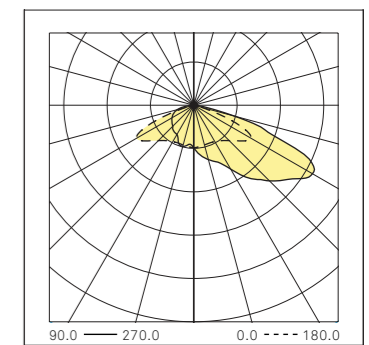
Type III - C



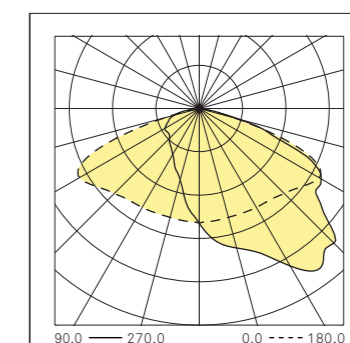
Type III - H



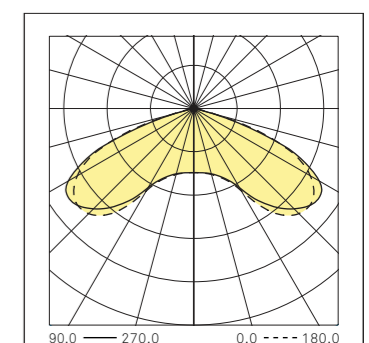
Type IV - A



Type IV - C



Type V - A



POLIS CATENARY

Luminaires for catenary systems

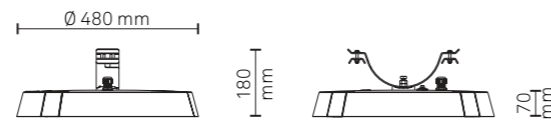
Mechanical characteristics

Height	180 mm
Width	480 mm
Length	480 mm
Weight	8 Kg
IP	66
IK	09
Area exposed to wind	0.035 m ²

Electrical characteristics

Voltage	220-240V
Frequency	50-60 Hz
Cos φ	> 0.9
Insulation class	CL II ☑
Operative Temp.	-40°C / +50°C

- Class I of insulation on request.



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA index A3+.
- Power cable supplied.
- 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.
- Fall-arrest glass protection.
- Driver programming without product opening.

Connection

- Support for tense steel cable with diameter Ø12 mm.
- Tilting system connection ± 15°.

Materials

- Die-cast aluminum (UNI EN 1706).
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless steel screws.
- Polycarbonate (PC).

Structure - Main components

- Main body in die-cast aluminum.
- Internal reflector in PC.
- Shield in flat tempered glass with impact resistance IK09 (EN 62262).
- Integrated heat sink in die-cast aluminum.
- Gasket in EPDM between upper frame and screen.
- Support frame composed of a curved plate (60 x 3mm). Central element with tilting system of ± 15°, for correct the vertical position of the lighting fixture.
- Steel stainless safety rope (Ø 3mm).
- Power cable entry (max Ø 12mm) from the top.

Painting

- Powder coating.
- Standard colour: Neri grey.

Accessories

- Zhaga connector.
- Nema socket (3 or 7 pin).

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Terminal block for wires with max. section of 2.5mm².
- Input power cable with PG13.5 cable gland (Ø 6-12mm).
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

POLIS CATENARY

Screen: Transparent

Luminous Flux - 2700K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	17.3	145	16	2 x 170	14.7	170
3500	25.1	139	16	2 x 243	21.3	164
4500	32.2	140	16	2 x 319	28.4	158
6000	41.6	144	24	2 x 281	37.2	161
7500	54.1	139	24	2 x 358	48.2	156
9000	63.0	143	32	2 x 319	56.8	158
10500	74.9	140	32	2 x 378	68.0	154
12000	87.9	137	32	2 x 439	79.8	150
13500	93.6	144	48	2 x 319	85.2	158

Luminous Flux - 3000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.7	150	16	2 x 163	14.1	177
3500	24.2	145	16	2 x 233	20.4	171
4500	30.9	146	16	2 x 306	27.2	166
6000	39.8	151	24	2 x 269	35.6	168
7500	51.9	144	24	2 x 344	46.1	163
9000	60.4	149	32	2 x 306	54.4	166
10500	71.7	147	32	2 x 363	65.0	161
12000	84.2	143	32	2 x 421	76.2	157
13500	89.7	150	48	2 x 306	81.6	166

Luminous Flux - 4000K

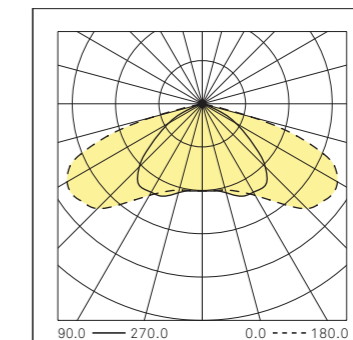
System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
2500	16.0	156	16	2 x 156	13.5	186
3500	23.3	150	16	2 x 223	19.5	180
4500	29.6	152	16	2 x 292	25.9	174
6000	37.9	158	24	2 x 257	34.0	177
7500	49.6	151	24	2 x 328	43.8	171
9000	57.8	156	32	2 x 292	51.8	174
10500	68.3	154	32	2 x 346	61.9	170
12000	80.2	150	32	2 x 401	72.4	166
13500	85.7	158	48	2 x 292	77.6	174

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K on demand.

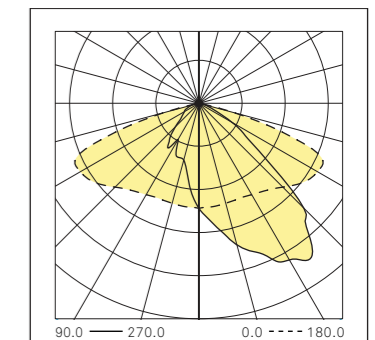
Driver functions

- 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**

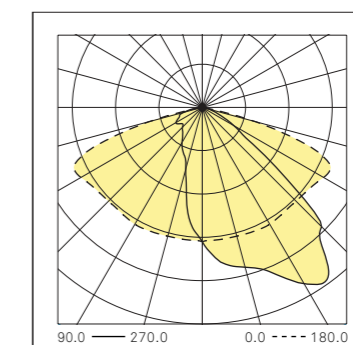
Type I - A



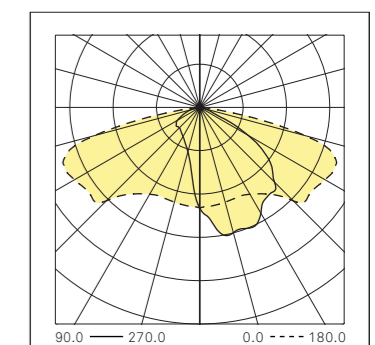
Type II - D



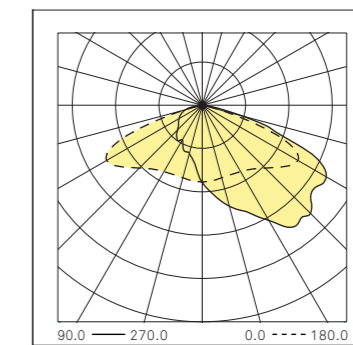
Type III - B



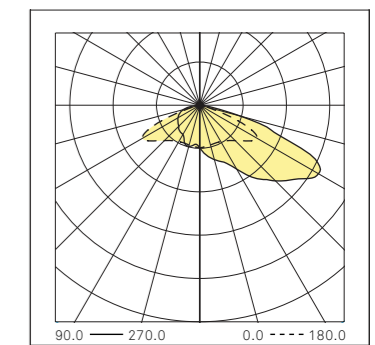
Type III - C



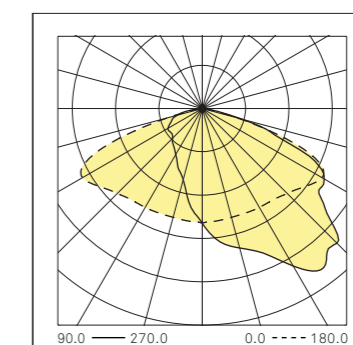
Type III - H



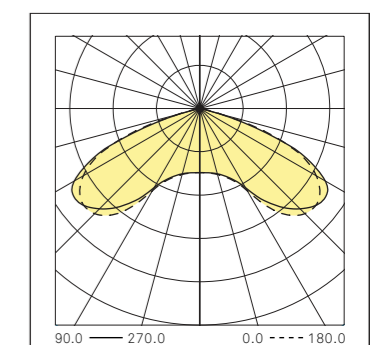
Type IV - A



Type IV - C



Type V - A





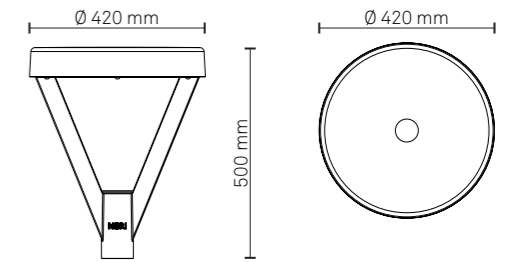
Mechanical characteristics

Height	500 mm
Width	420 mm
Length	420 mm
Weight	7,5 Kg
IP	66
IK	09
Area exposed to wind	0,08 m ²

Electrical characteristics

Voltage	220-240V
Frequency	50-60 Hz
Cos ϕ	> 0.95
Insulation class	CL II
Operative Temp.	-40°C / +50°C

- Class I of insulation on request.



TECHNICAL DATA:

Connection

- Post top mounting on tubes \varnothing 60mm, flush on \varnothing 76mm.

Materials

- Die-Cast Aluminum (UNI EN 1706).
- Sheet steel.
- Extra-clear and prismatic tempered flat glass.
- Stainless steel fasteners.

Structure – Main components

- Upper shell opening through screws with predisposition for auxiliary devices in compliant with Zhaga Book 18.
- Lower skirt frame in die-cast aluminum.
- White internal reflector.
- Shield in flat tempered glass with impact resistance (EN 62262) IK09 (transparent glass) and IK08 (prismatic glass).
- Gasket in silicone between the upper frame and screen.

Painting

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

Operations - Maintenance

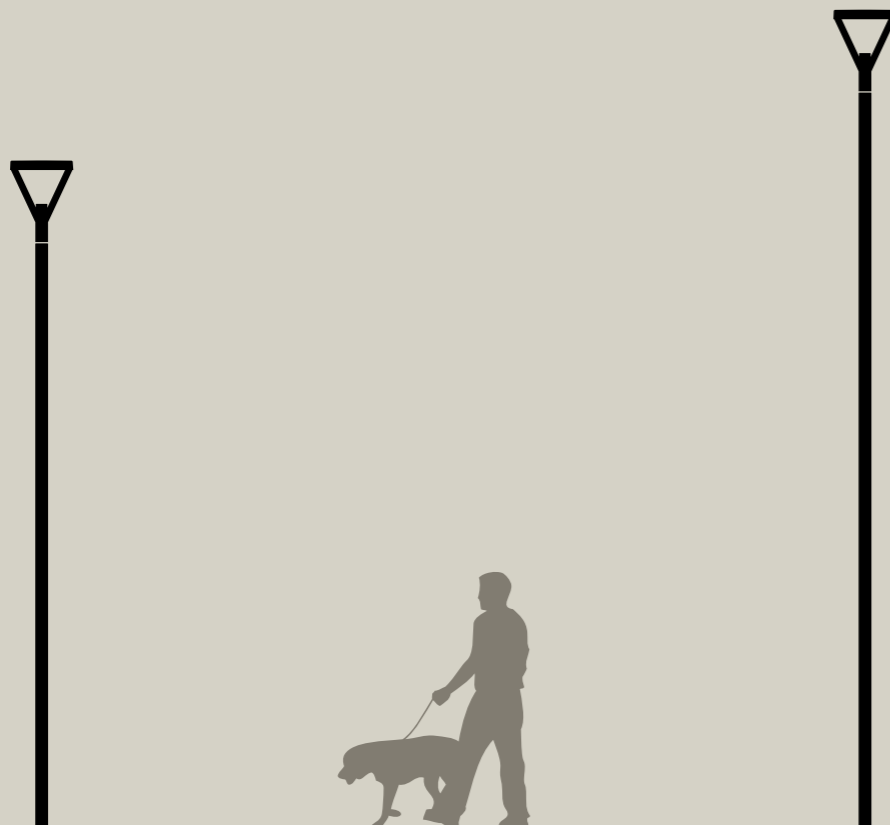
- Periodic maintenance for external cleaning of the structure and the screen from dust and smog and for checking the tightening of the product.
- Refer to the product installation and maintenance manual.
- It is the responsibility of the installer to ensure correct installation and electrical connection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

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Terminal block for wires with max. section of 2.5mm².
- Power cable with customizable length.
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II) and 10kV/10kV (CL I, CL II) in presence of additional protections (on demand).

Optical characteristics

- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (on request).
- Internal reflector for luminous flux recovery and glare reduction.
- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 .
- Angular colour uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.



LYRA

Screen: Transparent

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
10500	83.0	126	32	2 x 415	75.1	140
9000	69.1	130	32	2 x 350	62.6	144
7500	59.2	127	24	2 x 393	53.2	141
6000	46.7	129	24	2 x 307	41.0	146
4500	35.1	128	16	2 x 350	31.3	144
3500	27.2	129	16	2 x 266	23.4	149
2500	19.9	126	16	2 x 186	16.1	155
1500	12.5	120	16	2 x 109	9.3	161

Luminous Flux - 4000K

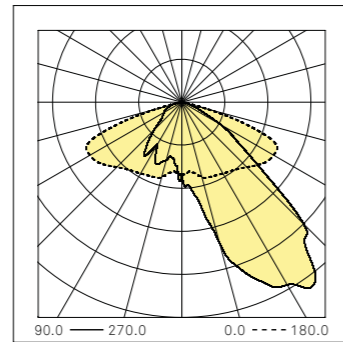
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
10500	79.2	133	32	2 x 396	71.4	147
9000	65.9	137	32	2 x 334	59.6	151
7500	56.5	133	24	2 x 375	50.5	148
6000	44.6	134	24	2 x 293	39.0	154
4500	33.6	134	16	2 x 334	29.8	151
3500	26.1	134	16	2 x 254	22.3	157
2500	19.1	131	16	2 x 177	15.4	163
1500	12.0	125	16	2 x 105	8.9	168

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

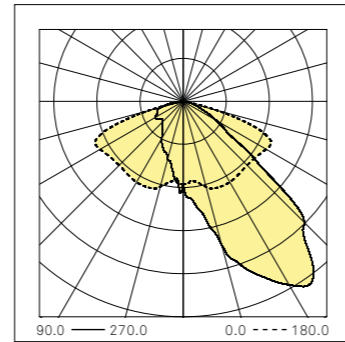
Driver functions

- 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)
- Zhaga connector+ SR**

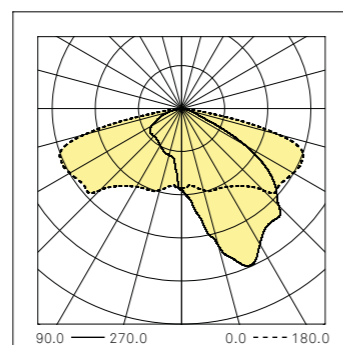
Type II - D



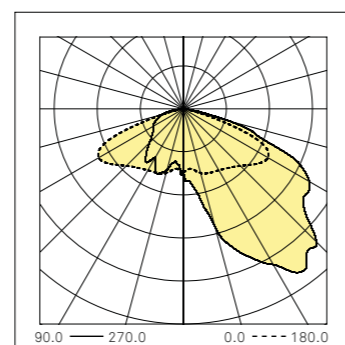
Type III - B



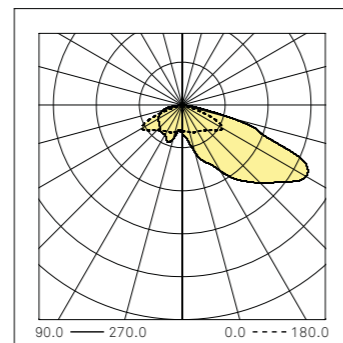
Type III - C



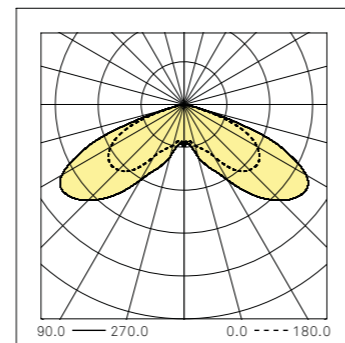
Type III - H



Type IV - A



Type V - A



LYRA

Screen: Prismatic

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	74.2	121	32	2 x 370	66.5	135
7500	59.9	125	32	2 x 303	53.8	139
6000	49.2	122	24	2 x 325	43.5	138
4500	35.1	128	24	2 x 238	31.3	144
3500	28.6	122	16	2 x 281	24.9	141
2500	20.8	120	16	2 x 196	17.1	147
1500	13.1	114	16	2 x 115	9.8	152

Luminous Flux - 4000K

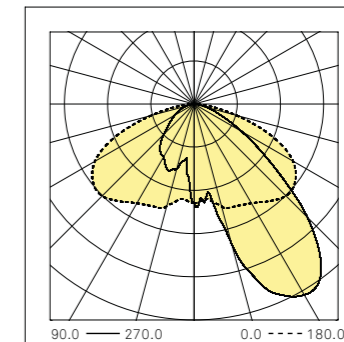
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	70.8	127	32	2 x 353	63.3	142
7500	57.2	131	32	2 x 289	51.2	146
6000	47.1	127	24	2 x 310	41.4	145
4500	33.6	134	24	2 x 227	29.9	151
3500	27.4	128	16	2 x 268	23.7	148
2500	20.0	125	16	2 x 187	16.3	154
1500	12.6	119	16	2 x 110	9.4	159

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

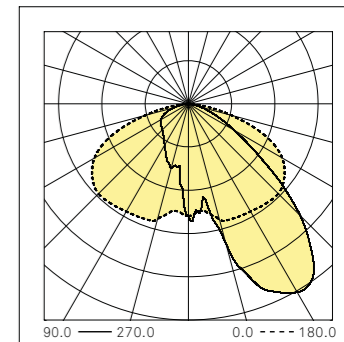
Driver functions

- 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)
- Zhaga connector+ SR**

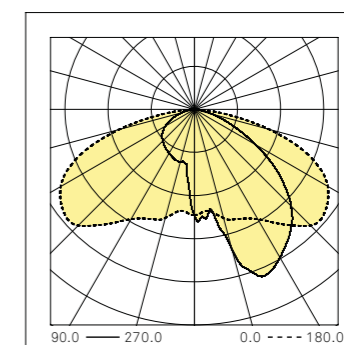
Type II - D



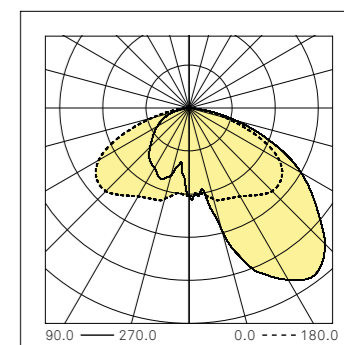
Type III - B



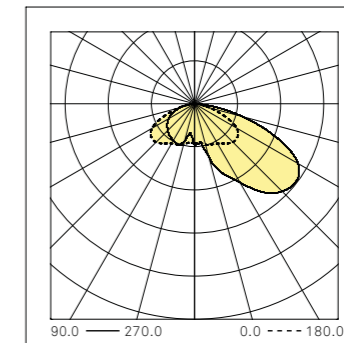
Type III - C



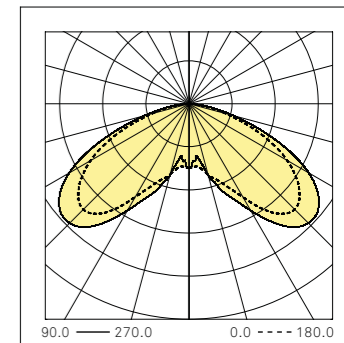
Type III - H



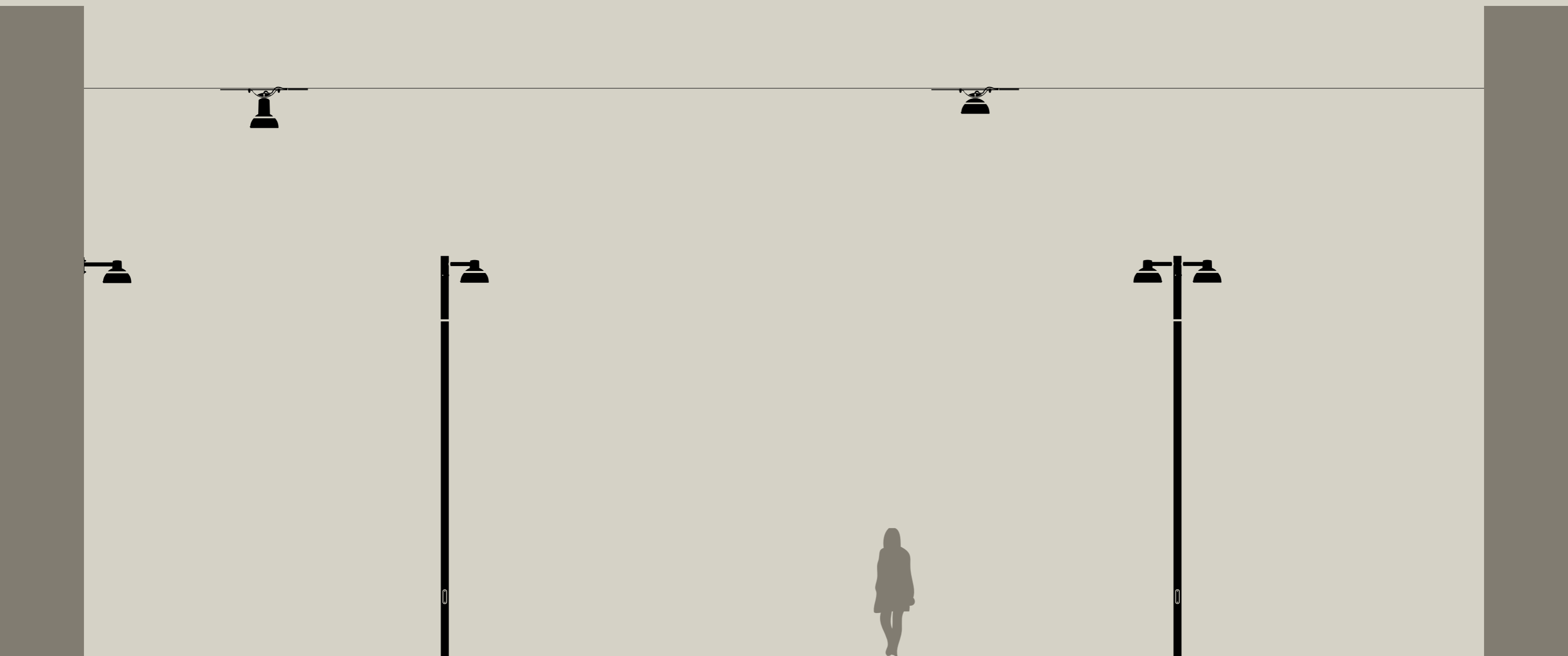
Type IV - A



Type V - A



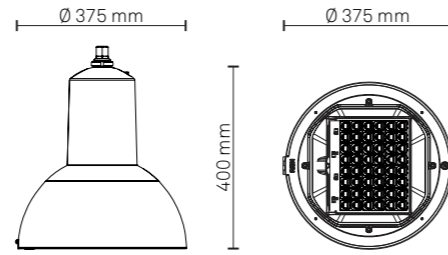




NOVA

Post top luminaires with arms
Suspended luminaires
Luminaires for catenary systems

Mechanical characteristics		Electrical characteristics	
Height	400 mm	Voltage	220-240V
Width	375 mm	Frequency	50-60 Hz
Length	375 mm	Cos φ	> 0.95
Weight	8.1 Kg	Insulation class	CL II
IP	66	Operative Temp.	-35°C / +40°C
IK	10	- Class I of insulation on request.	
Area exposed to wind	0.07 m²		



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA index A3+.
- Shield in extra-clear and prismatic tempered glass.
- Ease installation and maintenance.
- Wide range of optical lighting distributions (on request).
- Visual Comfort.
- Main body in die-cast aluminum.

Connection

- Suitable for suspended mounting.
- Threaded connection G 3/4".

Materials

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

Structure – Main components

- Upper frame shaped bell in aluminum with threaded connection G 3/4".
- Lower skirt frame, hinged opening for access to the auxiliary and optical compartment.
- White internal reflector.
- Shield in flat tempered glass with impact resistance IK10 (EN 62262) and prismatic IK07 (EN 62262).
- Osmotic valve for balance internal/external pressure.
- Dedicated space for any remote control systems.

Painting

- Powder coating.
- Standard colour: Neri grey, on the upper part.
- Standard colour: white matt RAL 9010, on the lower part.

Accessories (on request)

- Suspension system for installation on tightened cable (cod. 4006.332V).
- SPD 10kV DM/CM.

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnector when opening.
- Terminal block for wires with max. section of 2.5mm².
- Input power cable with PG16 cable gland (Ø 10-14mm).
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2x2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (on request).
- Internal reflector for luminous flux recovery and glare reduction.
- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 .
- Angular color uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

NOVA

Screen: Transparent

Luminous Flux - 3000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 93	7.9	190
2500	17.2	145	16	2 x 157	13.6	184
3500	23.4	149	16	2 x 225	19.7	178
4500	29.8	151	16	2 x 295	26.1	172
6000	38.3	157	24	2 x 259	34.3	175
7500	50.0	150	24	2 x 331	44.2	170
9000	58.2	155	32	2 x 295	52.2	172
10500	68.9	152	32	2 x 349	62.4	168
12000	76.2	157	48	2 x 259	68.5	175

Luminous Flux - 4000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.5	143	16	2 x 89	7.6	198
2500	16.6	151	16	2 x 151	13.0	193
3500	22.5	155	16	2 x 215	18.7	187
4500	28.6	157	16	2 x 281	24.9	181
6000	36.5	164	24	2 x 248	32.6	184
7500	47.8	157	24	2 x 315	42.1	178
9000	55.7	162	32	2 x 281	49.7	181
10500	65.7	160	32	2 x 333	59.4	177
12000	72.9	165	48	2 x 248	65.3	184

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

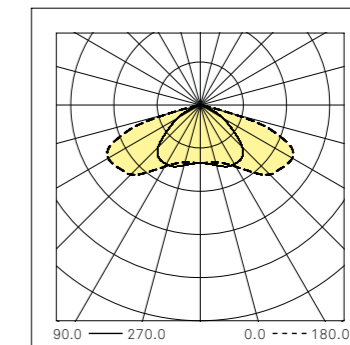
Driver functions

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

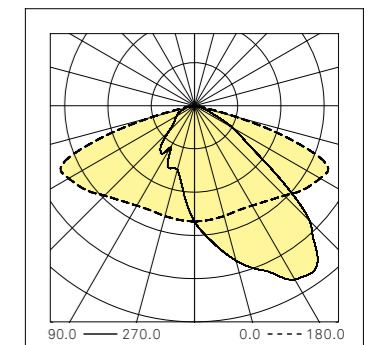
DALI + NCL (Digital control + Neri Constant Lumen)

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

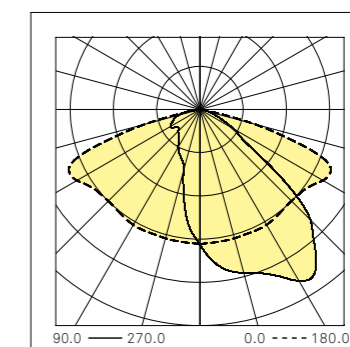
Type I - A



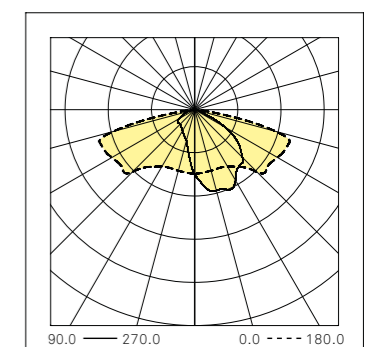
Type II - D



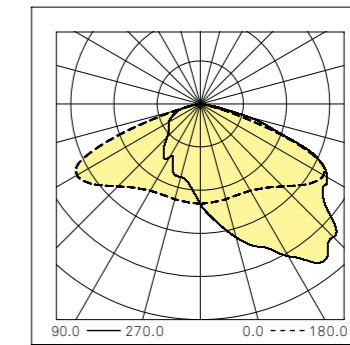
Type III - B



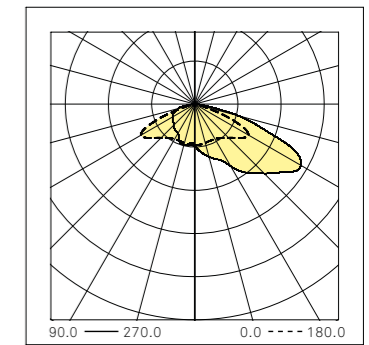
Type III - C



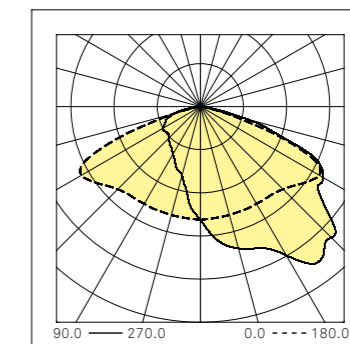
Type III - H



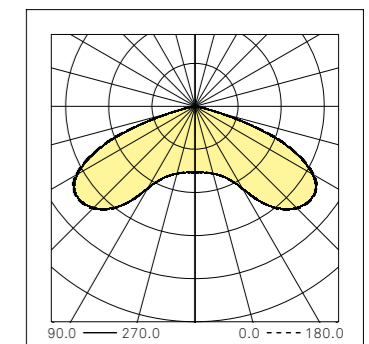
Type IV - A



Type IV - C



Type V - A



NOVA

Screen: Prismatic

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	137	16	2 x 94	8.0	188
2500	17.3	144	16	2 x 159	13.7	183
3500	23.6	148	16	2 x 226	19.8	177
4500	30.0	150	16	2 x 297	26.3	171
6000	38.5	156	24	2 x 261	34.5	174
7500	50.4	149	24	2 x 333	44.6	168
9000	58.6	153	32	2 x 297	52.6	171
10500	69.4	151	32	2 x 351	62.9	167
12000	76.7	156	48	2 x 261	69.0	174

Luminous Flux - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.5	143	16	2 x 90	7.6	197
2500	16.7	150	16	2 x 152	13.1	191
3500	22.7	155	16	2 x 216	18.9	185
4500	28.8	156	16	2 x 283	25.1	180
6000	36.8	163	24	2 x 249	32.9	182
7500	48.2	156	24	2 x 318	42.4	177
9000	56.0	161	32	2 x 283	50.1	180
10500	66.1	159	32	2 x 335	59.8	175
12000	73.4	164	48	2 x 249	65.8	182

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

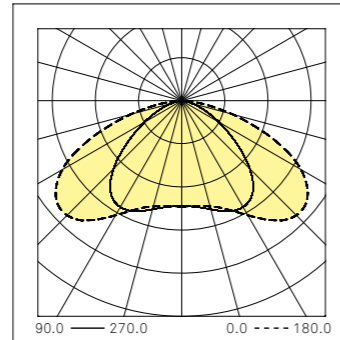
Driver functions

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

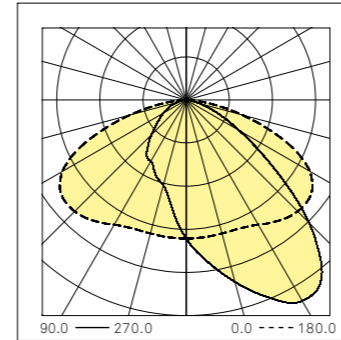
DALI + NCL (Digital control + Neri Constant Lumen)

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

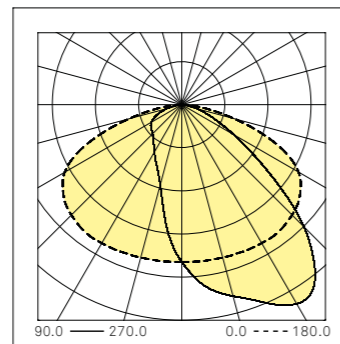
Type I - A



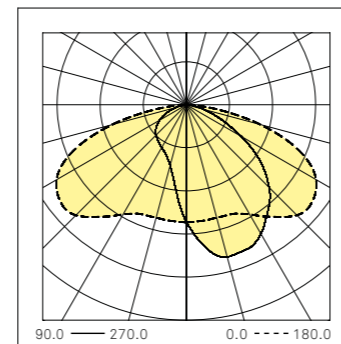
Type II - D



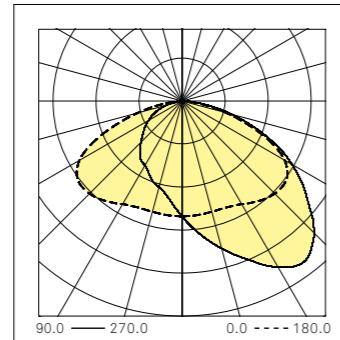
Type III - B



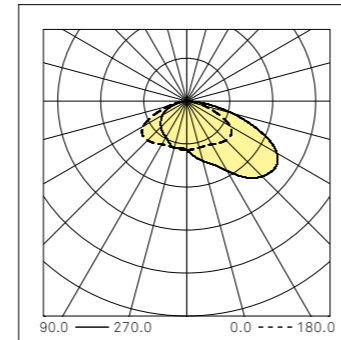
Type III - C



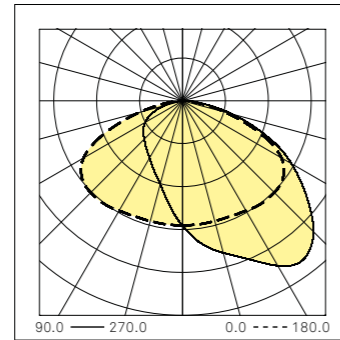
Type III - H



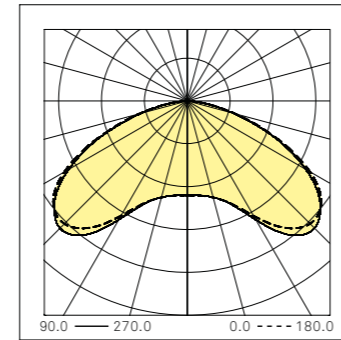
Type IV - A



Type IV - C



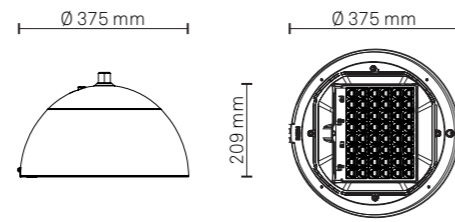
Type V - A



NOVA S

Post top luminaires with arms
Suspended luminaires
Luminaires for catenary systems

Mechanical characteristics		Electrical characteristics	
Height	209 mm	Voltage	220-240V
Width	375 mm	Frequency	50-60 Hz
Length	375 mm	Cos φ	> 0.95
Weight	7.5 Kg	Insulation class	CL II ☑
IP	66	Operative Temp.	-35°C / +40°C
IK	10	- Class I of insulation on request.	
Area exposed to wind	0.05 m ²		



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA index A3+.
- Shield in extra-clear and prismatic tempered glass.
- Ease installation and maintenance.
- Wide range of optical lighting distributions (on request).
- Visual Comfort.
- Main body in die-cast aluminum.

Connection

- Suitable for suspended mounting.
- Threaded connection G 3/4".

Materials

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

Structure – Main components

- Upper frame shaped bell in aluminum with threaded connection G 3/4".
- Lower skirt frame, hinged opening for access to the auxiliary and optical compartment.
- White internal reflector.
- Shield in flat tempered glass with impact resistance IK10 (EN 62262) and prismatic IK07 (EN 62262).
- Osmotic valve for balance internal/external pressure.
- Dedicated space for any remote control systems.

Painting

- Powder coating.
- Standard colour: white matt RAL 9010.

Accessories (on request)

- Suspension system for installation on tightened cable (cod. 4006.332V).
- SPD 10kV DM/CM.

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnecter when opening.
- Terminal block for wires with max. section of 2.5mm².
- Input power cable with PG16 cable gland (Ø 10-14mm).
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2x2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (on request).
- Internal reflector for luminous flux recovery and glare reduction.
- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 .
- Angular color uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

NOVA S

Screen: Transparent

Luminous Flux - 3000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 93	7.9	190
2500	17.2	145	16	2 x 157	13.6	184
3500	23.4	149	16	2 x 225	19.7	178
4500	29.8	151	16	2 x 295	26.1	172
6000	38.3	157	24	2 x 259	34.3	175
7500	50.0	150	24	2 x 331	44.2	170
9000	58.2	155	32	2 x 295	52.2	172
10500	68.9	152	32	2 x 349	62.4	168
12000	76.2	157	48	2 x 259	68.5	175

Luminous Flux - 4000K

System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.5	143	16	2 x 89	7.6	198
2500	16.6	151	16	2 x 151	13.0	193
3500	22.5	155	16	2 x 215	18.7	187
4500	28.6	157	16	2 x 281	24.9	181
6000	36.5	164	24	2 x 248	32.6	184
7500	47.8	157	24	2 x 315	42.1	178
9000	55.7	162	32	2 x 281	49.7	181
10500	65.7	160	32	2 x 333	59.4	177
12000	72.9	165	48	2 x 248	65.3	184

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

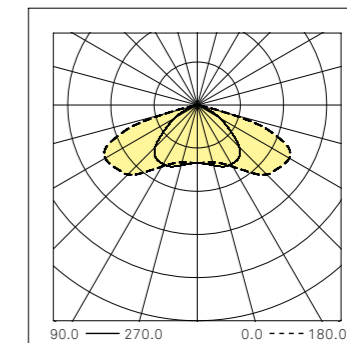
Driver functions

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

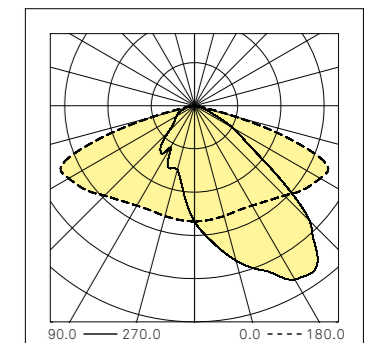
DALI + NCL (Digital control + Neri Constant Lumen)

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

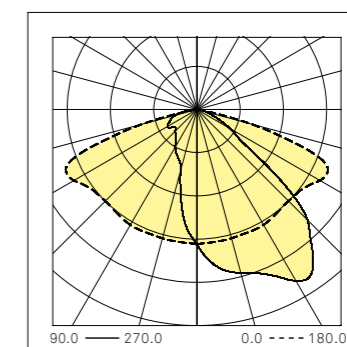
Type I - A



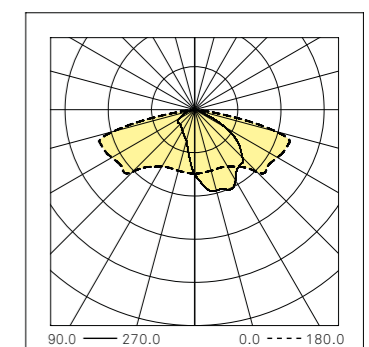
Type II - D



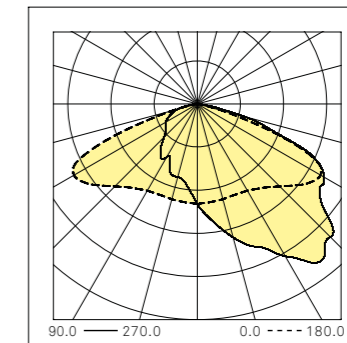
Type III - B



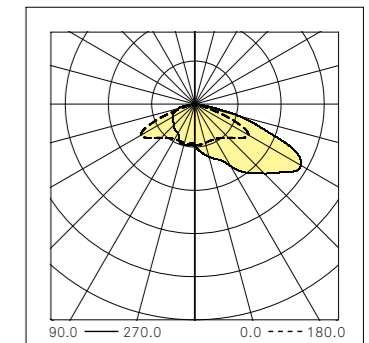
Type III - C



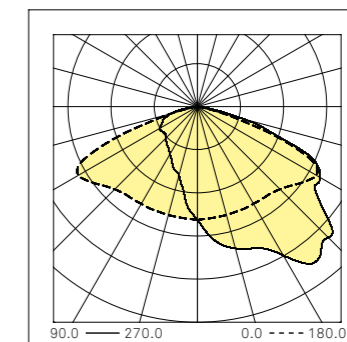
Type III - H



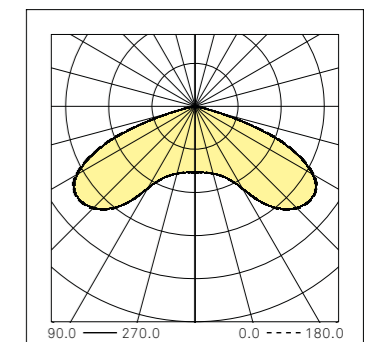
Type IV - A



Type IV - C



Type V - A



NOVA S

Screen: Prismatic

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	137	16	2 x 94	8.0	188
2500	17.3	144	16	2 x 159	13.7	183
3500	23.6	148	16	2 x 226	19.8	177
4500	30.0	150	16	2 x 297	26.3	171
6000	38.5	156	24	2 x 261	34.5	174
7500	50.4	149	24	2 x 333	44.6	168
9000	58.6	153	32	2 x 297	52.6	171
10500	69.4	151	32	2 x 351	62.9	167
12000	76.7	156	48	2 x 261	69.0	174

Luminous Flux - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.5	143	16	2 x 90	7.6	197
2500	16.7	150	16	2 x 152	13.1	191
3500	22.7	155	16	2 x 216	18.9	185
4500	28.8	156	16	2 x 283	25.1	180
6000	36.8	163	24	2 x 249	32.9	182
7500	48.2	156	24	2 x 318	42.4	177
9000	56.0	161	32	2 x 283	50.1	180
10500	66.1	159	32	2 x 335	59.8	175
12000	73.4	164	48	2 x 249	65.8	182

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

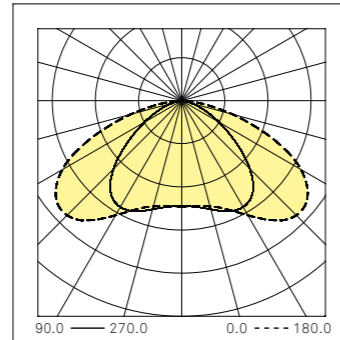
Driver functions

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

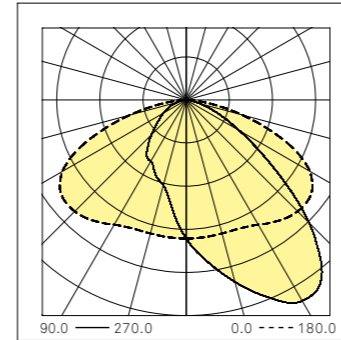
DALI + NCL (Digital control + Neri Constant Lumen)

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

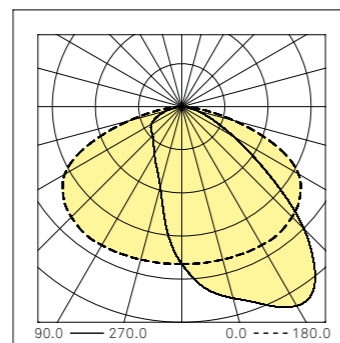
Type I - A



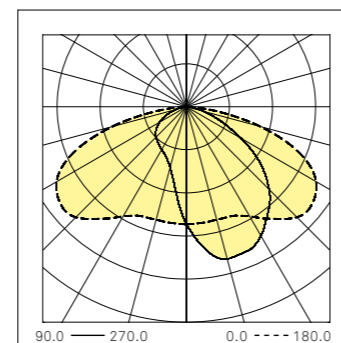
Type II - D



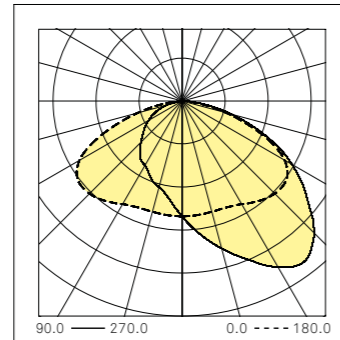
Type III - B



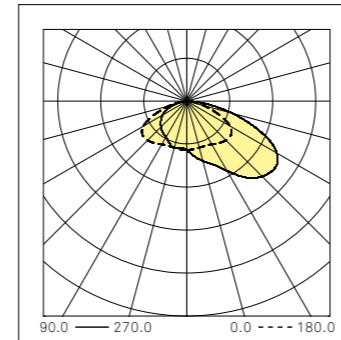
Type III - C



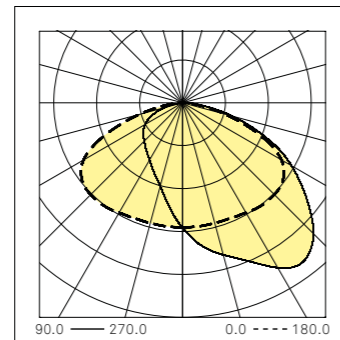
Type III - H



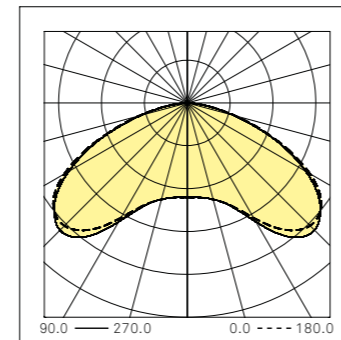
Type IV - A



Type IV - C



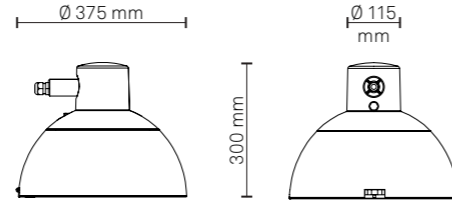
Type V - A



NOVA M

Wall mounted luminaires
Post top luminaires with arms

Mechanical characteristics		Electrical characteristics	
Height	300 mm	Voltage	220-240V
Width	375 mm	Frequency	50-60 Hz
Length	375 mm	Cos φ	> 0.95
Weight	7.8 Kg	Insulation class	CL II
IP	66	Operative Temp.	-35°C / +40°C
IK	10	- Class I of insulation on request.	
Area exposed to wind	0.06 m ²		



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA index A3+.
- Shield in extra-clear and prismatic tempered glass.
- Ease installation and maintenance.
- Wide range of optical lighting distributions (on request).
- Visual Comfort.
- Main body in die-cast aluminum.

Connection

- Suitable for side mounting.
- Luminaire can be installed only on tops cod. 4102.142.500 - 4202.242.500 and on wall bracket cod. 4039.142 of Nova system.

Materials

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

Structure – Main components

- Hemispherical upper frame.
- Lower frame that can be opened by means of a hinge to access the auxiliary and optical compartment.
- White internal reflector.
- Shield in flat tempered glass with impact resistance IK10 (EN 62262) and prismatic IK07 (EN 62262).
- Osmotic valve for balance internal/external pressure.
- Dedicated space for any remote control systems.

Painting

- Powder coating.
- Standard colour: Neri grey, on the upper part.
- Standard colour: white matt RAL 9010, on the lower part.

Accessories (on request)

- SPD 10kV DM/CM.

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnecter when opening.
- Terminal block for wires with max. section of 2.5mm².
- Input power cable with PG16 cable gland (Ø 10-14mm).
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2x2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (on request).
- Internal reflector for luminous flux recovery and glare reduction.
- 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) 100000h L90B10 (T_q = 25°C).
- Colour Rendering Index (Ra): ≥ 70 .
- Angular color uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

NOVA M

Screen: Transparent

Luminous Flux - 3000K						
System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 93	7.9	190
2500	17.2	145	16	2 x 157	13.6	184
3500	23.4	149	16	2 x 225	19.7	178
4500	29.8	151	16	2 x 295	26.1	172
6000	38.3	157	24	2 x 259	34.3	175
7500	50.0	150	24	2 x 331	44.2	170
9000	58.2	155	32	2 x 295	52.2	172
10500	68.9	152	32	2 x 349	62.4	168
12000	76.2	157	48	2 x 259	68.5	175

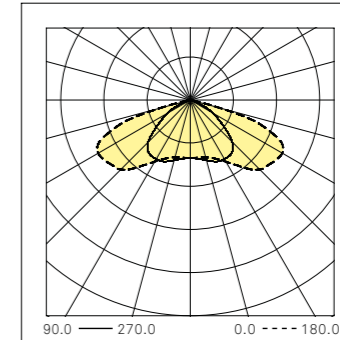
Luminous Flux - 4000K						
System**			LED Module			
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.5	143	16	2 x 89	7.6	198
2500	16.6	151	16	2 x 151	13.0	193
3500	22.5	155	16	2 x 215	18.7	187
4500	28.6	157	16	2 x 281	24.9	181
6000	36.5	164	24	2 x 248	32.6	184
7500	47.8	157	24	2 x 315	42.1	178
9000	55.7	162	32	2 x 281	49.7	181
10500	65.7	160	32	2 x 333	59.4	177
12000	72.9	165	48	2 x 248	65.3	184

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

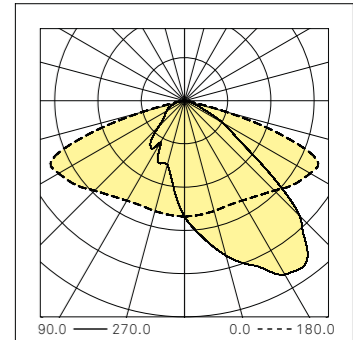
Driver functions

- 1-10V + NCL** (Analogic control + Neri Constant Lumen)
- DALI + NCL** (Digital control + Neri Constant Lumen)
- NVL6H + NCL** (Autodimming -30% x 6h + Neri Constant Lumen)

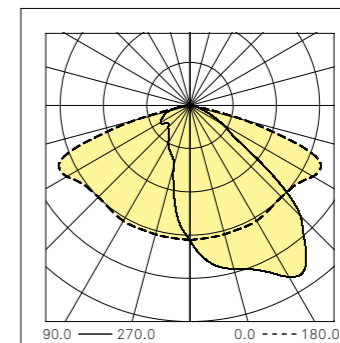
Type I - A



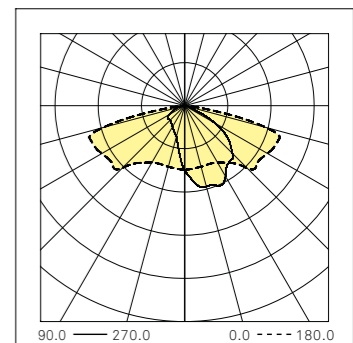
Type II - D



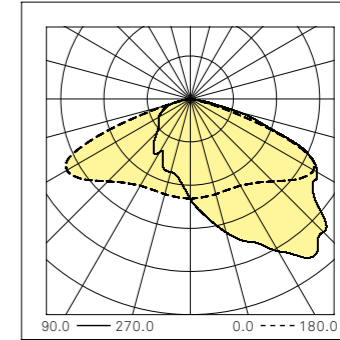
Type III - B



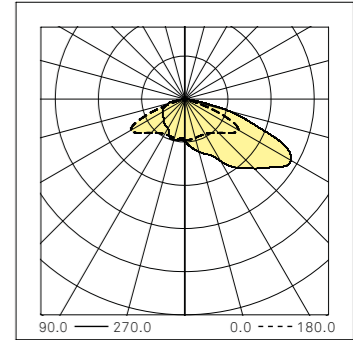
Type III - C



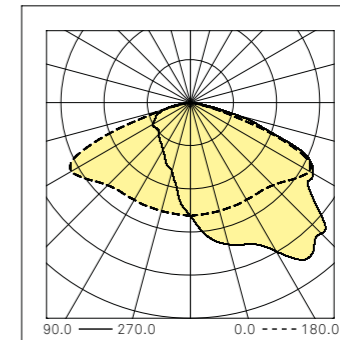
Type III - H



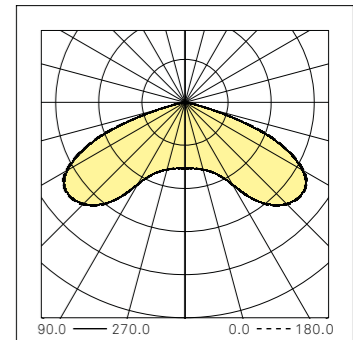
Type IV - A



Type IV - C



Type V - A



Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	137	16	2 x 94	8.0	188
2500	17.3	144	16	2 x 159	13.7	183
3500	23.6	148	16	2 x 226	19.8	177
4500	30.0	150	16	2 x 297	26.3	171
6000	38.5	156	24	2 x 261	34.5	174
7500	50.4	149	24	2 x 333	44.6	168
9000	58.6	153	32	2 x 297	52.6	171
10500	69.4	151	32	2 x 351	62.9	167
12000	76.7	156	48	2 x 261	69.0	174

Luminous Flux - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.5	143	16	2 x 90	7.6	197
2500	16.7	150	16	2 x 152	13.1	191
3500	22.7	155	16	2 x 216	18.9	185
4500	28.8	156	16	2 x 283	25.1	180
6000	36.8	163	24	2 x 249	32.9	182
7500	48.2	156	24	2 x 318	42.4	177
9000	56.0	161	32	2 x 283	50.1	180
10500	66.1	159	32	2 x 335	59.8	175
12000	73.4	164	48	2 x 249	65.8	182

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

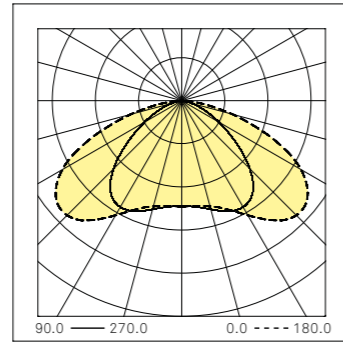
Driver functions

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

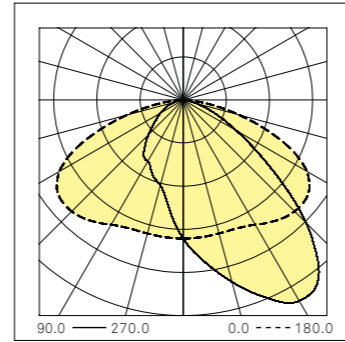
DALI + NCL (Digital control + Neri Constant Lumen)

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

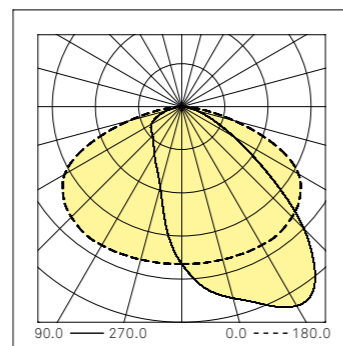
Type I - A



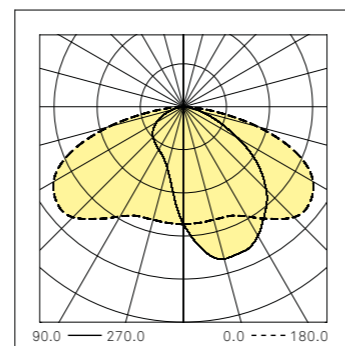
Type II - D



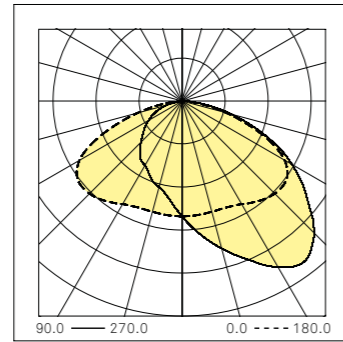
Type III - B



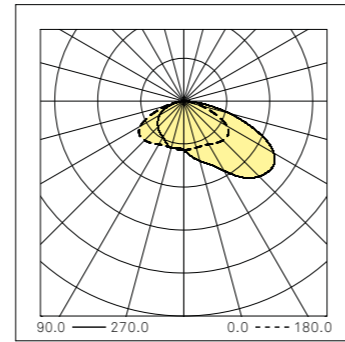
Type III - C



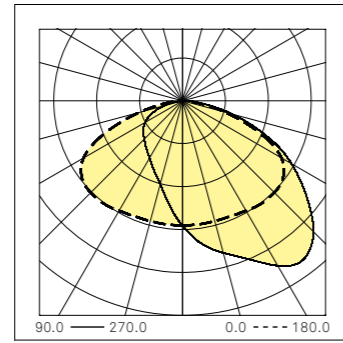
Type III - H



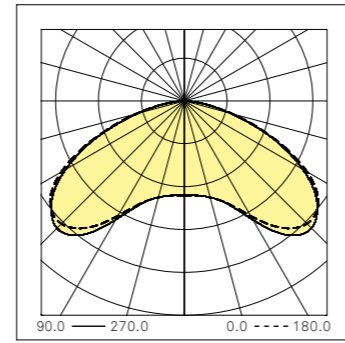
Type IV - A

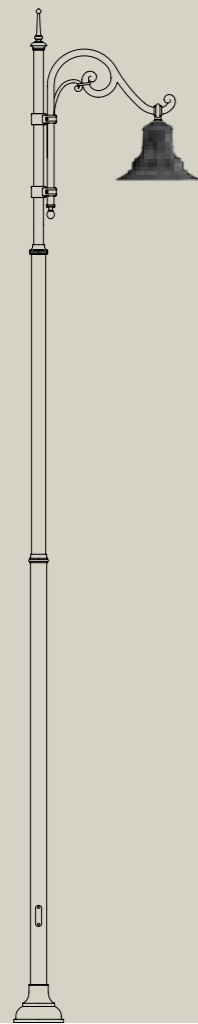


Type IV - C



Type V - A





LIGHT 21

Lantern: Suspended

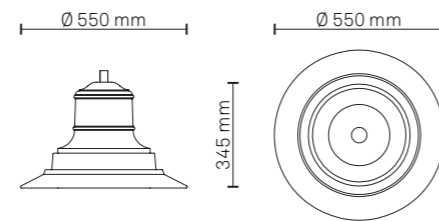
Mechanical characteristics

Height	345 mm
Width	550 mm
Lenght	550 mm
Weight	9.2 Kg
IP	66
IK	10
Area exposed to wind	0.09 m ²

Electrical characteristics

Voltage	220-240V
Frequency	50-60 Hz
Cos φ	> 0.9
Insulation class	CL II
Operative Temp.	-40°C / +50°C

- Class I of insulation on request.



TECHNICAL DATA:

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.

Connection

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

Materials

- Die-cast aluminum (UNI EN 1706).
- Aluminium sheet.
- Extra-clear transparent flat 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 aluminum ring to get access to auxiliary box.
- Shield in flat 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.

Painting

- Powder coating.
- Standard colour: Neri grey.

Accessories

- Cable with the requested lenght with fast connections.
- Zhaga connector.
- Prismatic glass IK09 according to EN62262.
- Fuse holder 5x20.
- House side shield.

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnection switch on opening.
- Terminal block for wires with max. section of 2.5mm².
- Cable access with cable gland PG16 (Ø 10-14mm).
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 [(Ra) ≥ 80 on request].
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

LIGHT 21

Screen: Trasparent

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.

Driver functions

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

DALI + NCL (Digital control + Neri Constant Lumen)

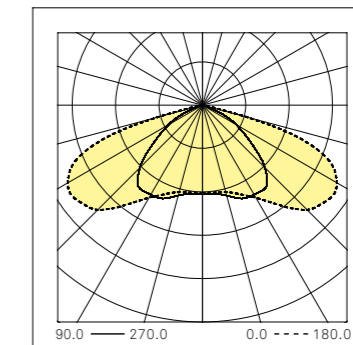
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

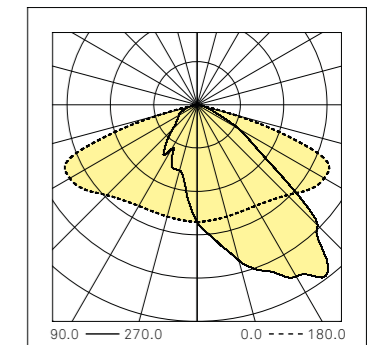
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

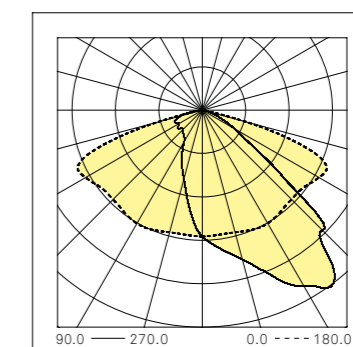
Type I - A



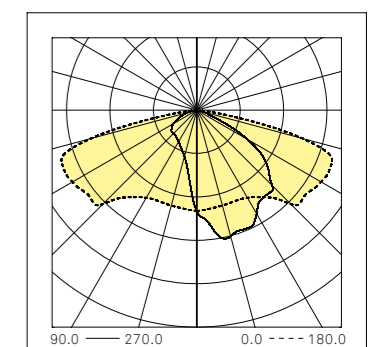
Type II - D



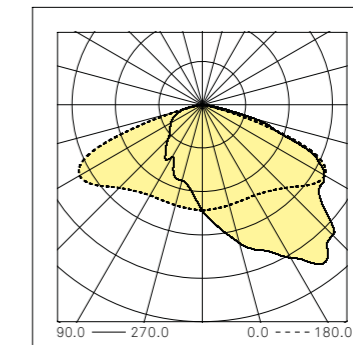
Type III - B



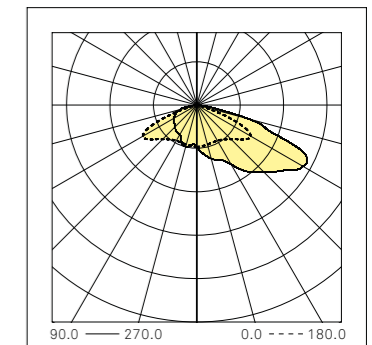
Type III - C



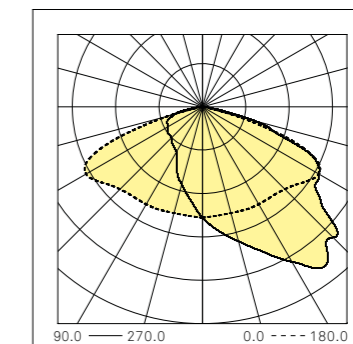
Type III - H



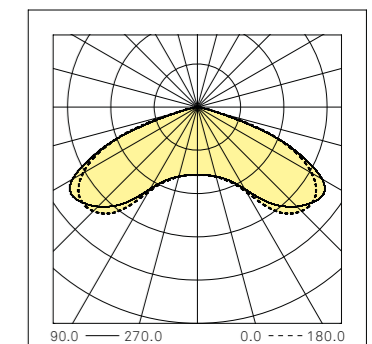
Type IV - A



Type IV - C



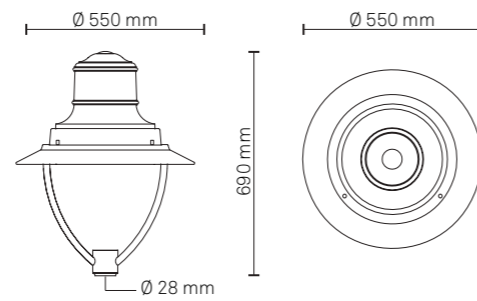
Type V - A



LIGHT 21

Lantern: Post-top

Mechanical characteristics		Electrical characteristics	
Height	690 mm	Voltage	220-240V
Width	550 mm	Frequency	50-60 Hz
Length	550 mm	Cos ϕ	> 0.9
Weight	12 Kg	Insulation class	CL II
IP	66	Operative Temp.	-40°C / +50°C
IK	10	- Class I of insulation on request.	
Area exposed to wind	0.105 m ²		



TECHNICAL DATA:

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.

Connection

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

Materials

- Die-cast aluminum (UNI EN 1706).
- Aluminium sheet.
- Extra-clear transparent flat 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 aluminum ring to get access to auxiliary box.
- 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.

Painting

- Powder coating.
- Standard colour: Neri grey.

Accessories

- Cable with the requested length with fast connections.
- Zhaga connector.
- Prismatic glass IK09 according to EN62262.
- Fuse holder 5x20.
- House side shield.

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnection switch on opening.
- Terminal block for wires with max. section of 2.5mm².
- Cable access with cable gland PG16 (\varnothing 10-14mm).
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- 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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): \geq 70 [(Ra) \geq 80 on request].
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

LIGHT 21

Screen:Trasparent

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.

Driver functions

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

DALI + NCL (Digital control + Neri Constant Lumen)

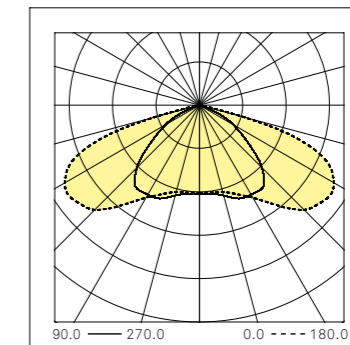
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

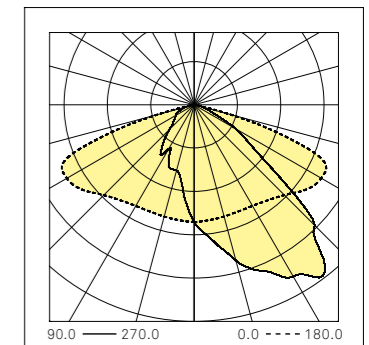
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector + D4i

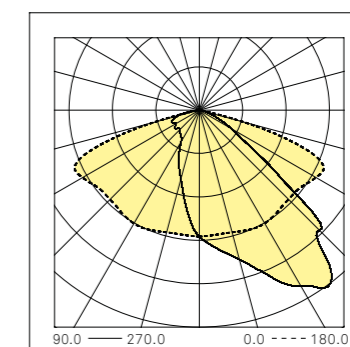
Type I - A



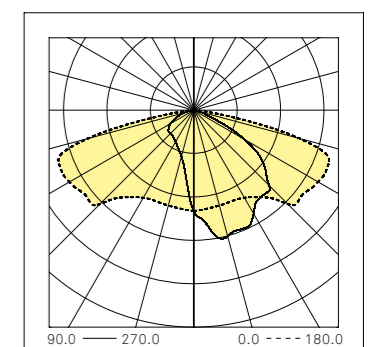
Type II - D



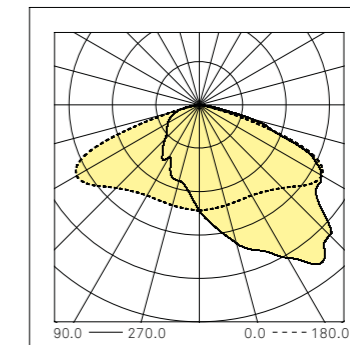
Type III - B



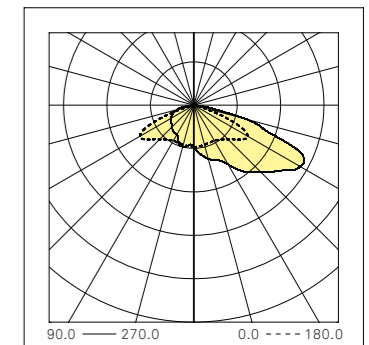
Type III - C



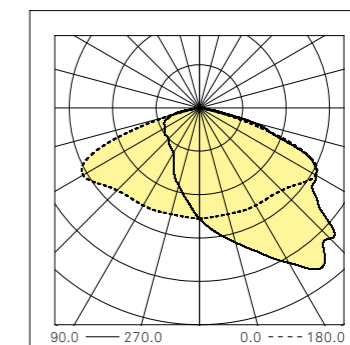
Type III - H



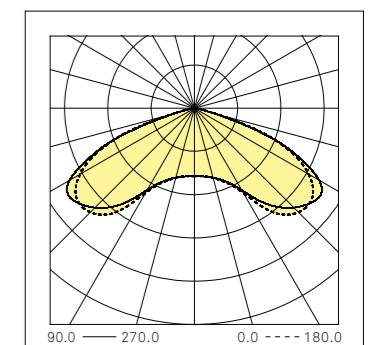
Type IV - A



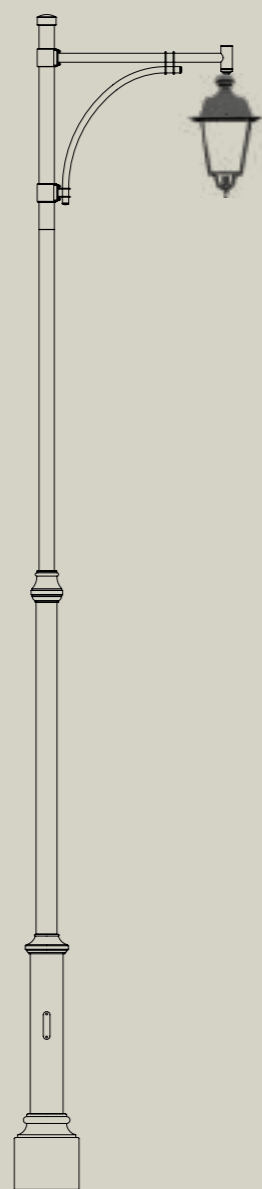
Type IV - C



Type V - A



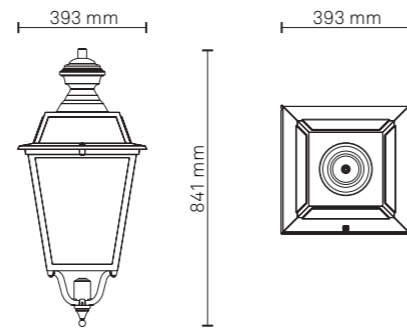




LIGHT 803

Lantern: Suspended

Mechanical characteristics		Electrical characteristics	
Height	841 mm	Voltage	220-240V
Width	393 mm	Frequency	50-60 Hz
Length	393 mm	Cos φ	> 0.9
Weight	8.6 Kg	Insulation class	CL II
IP	66	Operative Temp.	-25°C / Ta*
IK	09	*Ta +50°C 1500lm-7500lm, CCT 3000K/4000K 9000lm, 4000K.	
Area exposed to wind	0.09 m²	*Ta +35°C 9000lm-10500lm, CCT 3000K/4000K.	
		- Class I of insulation on request.	



TECHNICAL DATA:

Product benefits

- LED Current < 450 mA.
- Minimum IPEA rating A3+.
- Tool-less opening.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).
- Wide range of optical lighting distributions.
- Main body in die-cast aluminum.
- Automatic disconnection switch on opening.
- Hide cable.
- Shield in extra-clear transparent and prismatic tempered glass.
- Customizable diffusers in frosted PMMA (cod. LU80303).
- House side shield.
- Double coat painting cycle (10000h salt spray).

Connection

- Suspended: G3/4" threaded connection.

Materials

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

Structure - Main components

- Tilting upper square frame made in die-cast aluminum.
- Bottom frame made in die-cast aluminum with four brackets.
- 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.

Painting

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

Accessories

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

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnection switch on opening.
- Terminal block for wires with max. section of 2.5mm².
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 [(Ra) ≥ 80 on request].
- Angular colour uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

LIGHT 803

Screen: Transparent
Diffusers in PMMA

Luminous Flux - 3000K

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

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.

Driver functions

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

DALI + NCL (Digital control + Neri Constant Lumen)

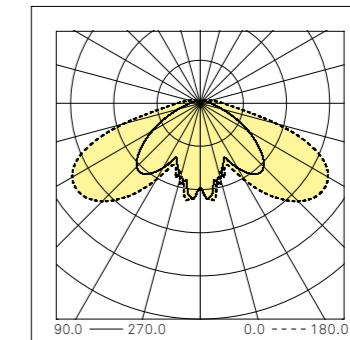
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

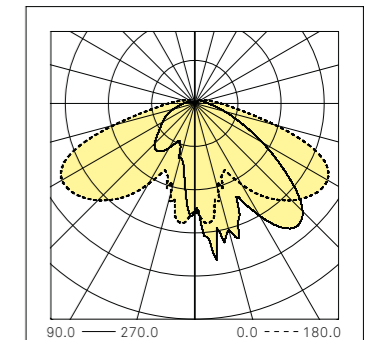
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector-D4i

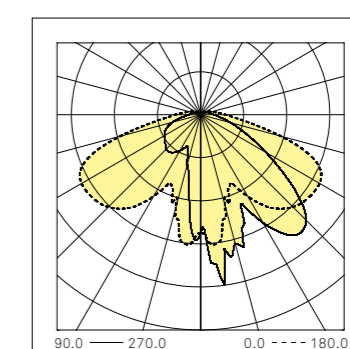
Type I - A



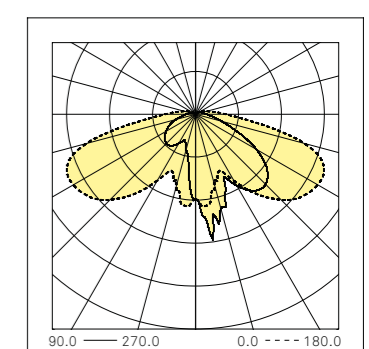
Type II - D



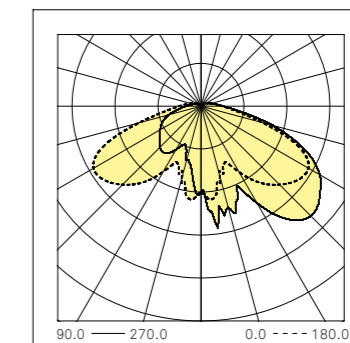
Type III - B



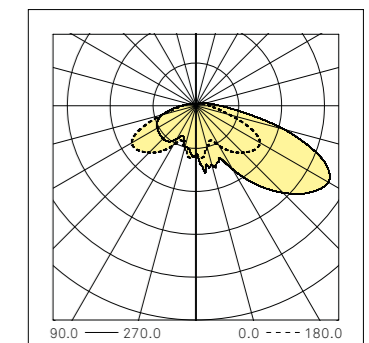
Type III - C



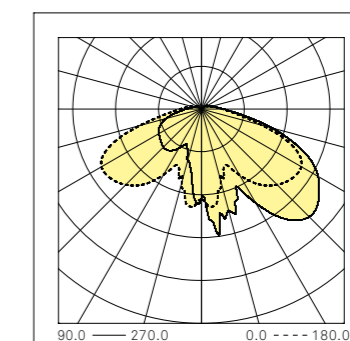
Type III - H



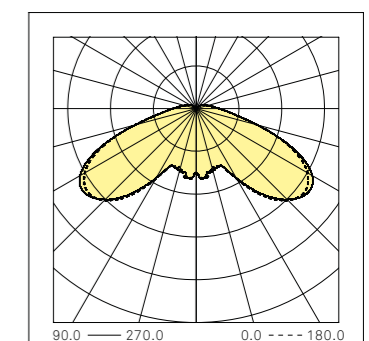
Type IV - A



Type IV - C



Type V - A



LIGHT 803

Screen: Transparent

Luminous Flux - 3000K

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

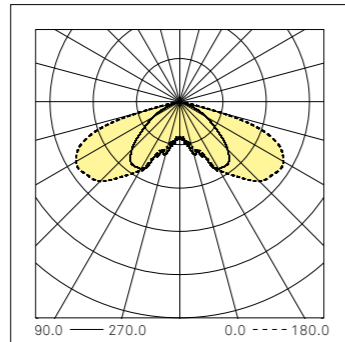
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136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

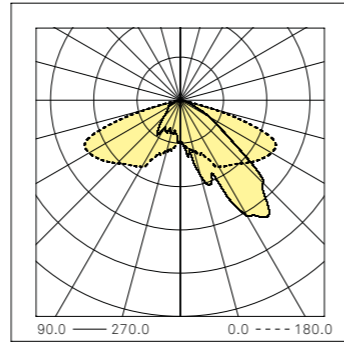
Driver functions

- 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**

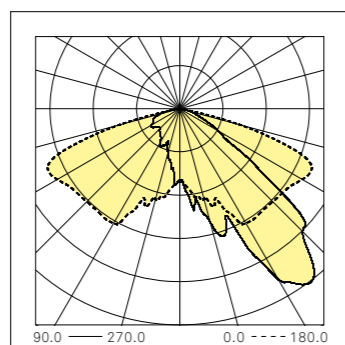
Type I - A



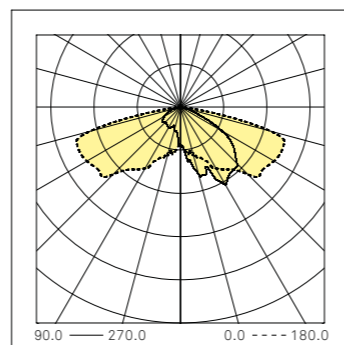
Type II - D



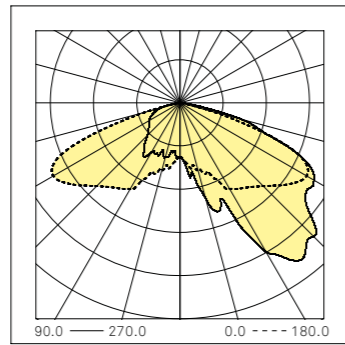
Type III - B



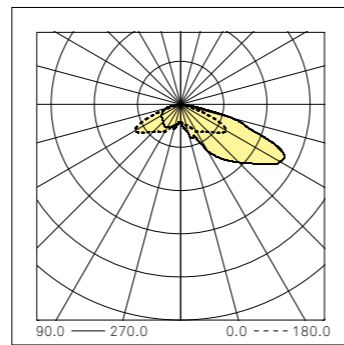
Type III - C



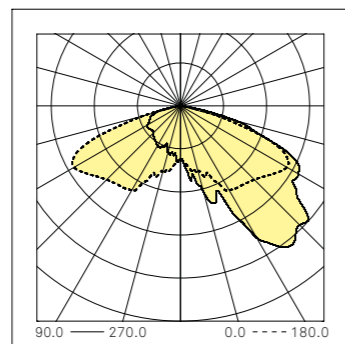
Type III - H



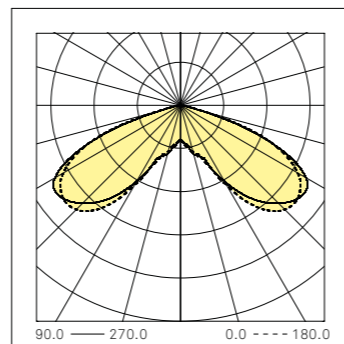
Type IV - A



Type IV - C



Type V - A



LIGHT 803

Screen: Prismatic

Luminous Flux - 3000K

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

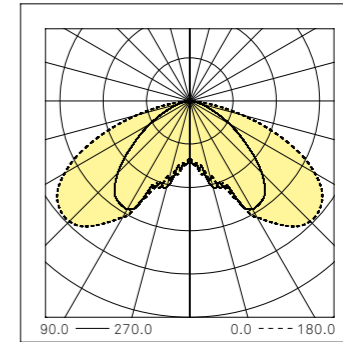
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 181	15.7	159
3500	26.6	132	16	2 x 259	22.9	153
4500	32.6	138	24	2 x 220	28.8	156
6000	45.6	132	24	2 x 300	39.9	150
7500	55.4	135	32	2 x 280	49.4	152
9000	67.4	134	32	2 x 341	61.0	148
10500	81.0	130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

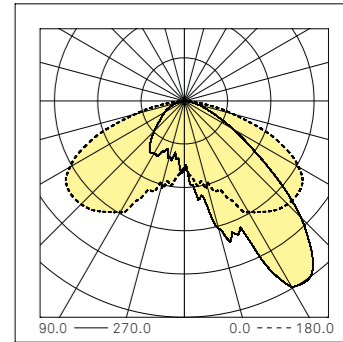
Driver functions

- 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**

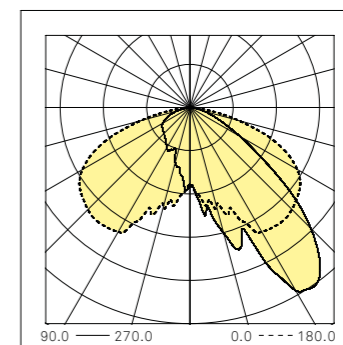
Type I - A



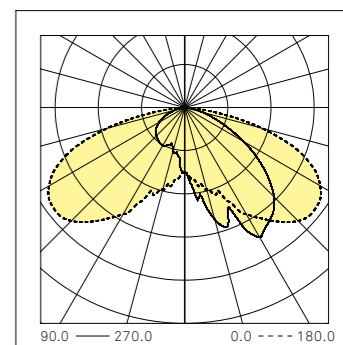
Type II - D



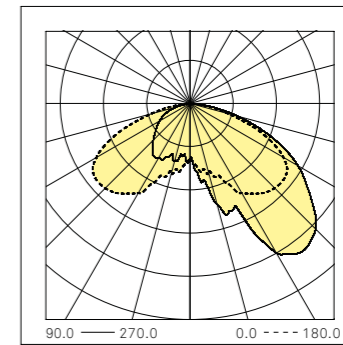
Type III - B



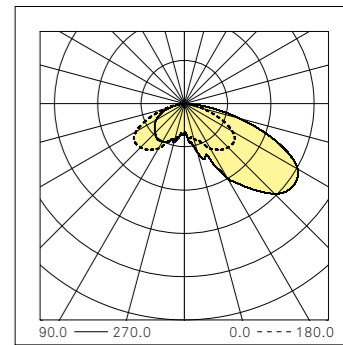
Type III - C



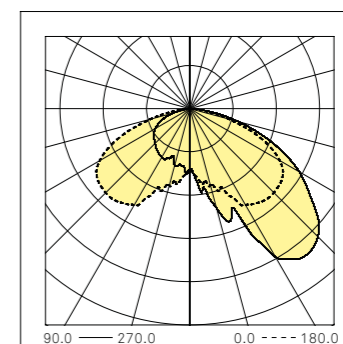
Type III - H



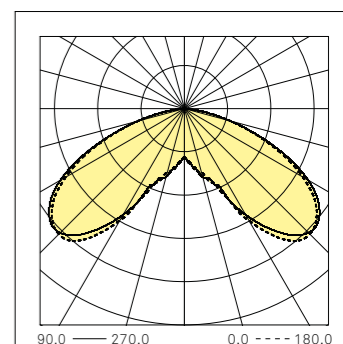
Type IV - A



Type IV - C



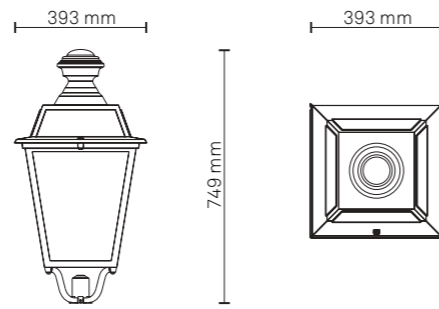
Type V - A



LIGHT 803

Lantern: Post-top

Mechanical characteristics		Electrical characteristics	
Height	749 mm	Voltage	220-240V
Width	393 mm	Frequency	50-60 Hz
Length	393 mm	Cos φ	> 0.9
Weight	7.9 Kg	Insulation class	CL II
IP	66	Operative Temp.	-25°C / Ta*
IK	09	*Ta +50°C 1500lm-7500lm, CCT 3000K/4000K 9000lm, 4000K.	
Area exposed to wind	0.09 m ²	*Ta +35°C 9000lm-10500lm, CCT 3000K/4000K.	
		- Class I of insulation on request.	



TECHNICAL DATA:

Product benefits

- LED Current < 450 mA.
- Minimum IPEA rating A3+.
- Tool-less opening.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).
- Wide range of optical lighting distributions.
- Main body in die-cast aluminum.
- Automatic disconnection switch on opening.
- Hide cable.
- Shield in extra-clear transparent and prismatic tempered glass.
- Customizable diffusers in frosted PMMA (cod. LU80303).
- House side shield.
- Double coat painting cycle (10000h salt spray).

Connection

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

Materials

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

Structure - Main components

- Tilting upper square frame made in die-cast aluminum.
- Bottom frame made in die-cast aluminum with four brackets with flange and a hole (Ø 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.

Painting

- Standard colour: 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).

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.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000h.
- Automatic disconnection switch on opening.
- Terminal block for wires with max. section of 2.5mm².
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (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) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 [(Ra) ≥ 80 on request].
- Angular colour uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

LIGHT 803

Screen: Transparent
Diffusers in PMMA

Luminous Flux - 3000K

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

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.

Driver functions

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

DALI + NCL (Digital control + Neri Constant Lumen)

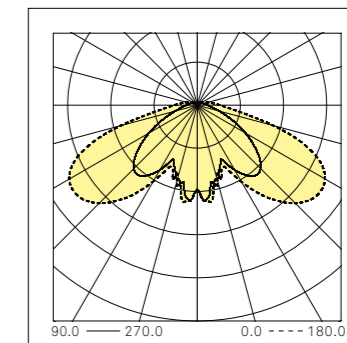
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

AmpDim + NCL (Flux regulator + Neri Constant Lumen)

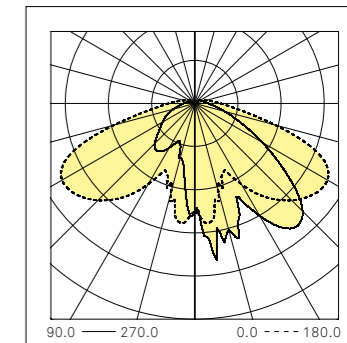
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector-D4i

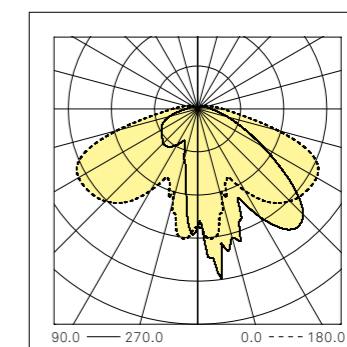
Type I - A



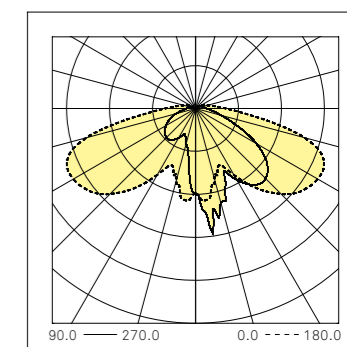
Type II - D



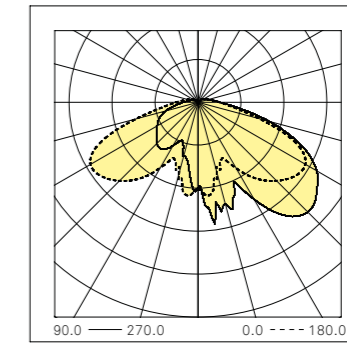
Type III - B



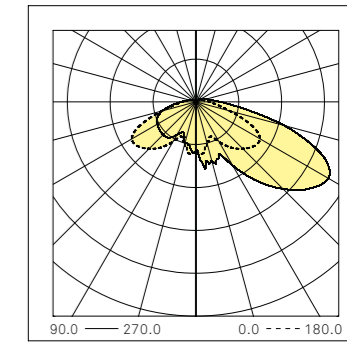
Type III - C



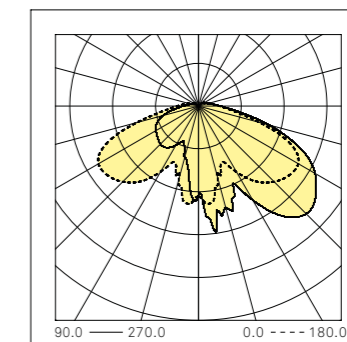
Type III - H



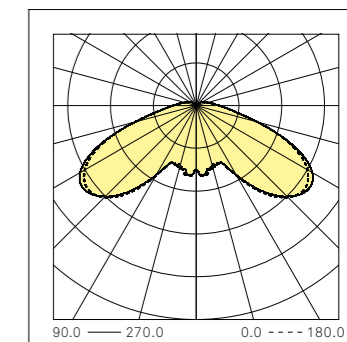
Type IV - A



Type IV - C



Type V - A



LIGHT 803

Screen: Transparent

Luminous Flux - 3000K

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

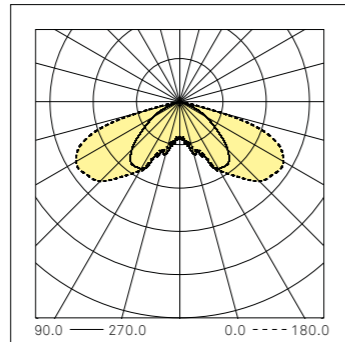
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.9	138	16	2 x 102	8.7	172
2500	17.6	142	16	2 x 174	15.0	166
3500	25.6	137	16	2 x 248	21.8	160
4500	31.3	144	24	2 x 210	27.5	163
6000	43.7	137	24	2 x 287	38.1	158
7500	53.0	141	32	2 x 267	47.2	159
9000	64.3	140	32	2 x 326	58.1	155
10500	77.4	136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

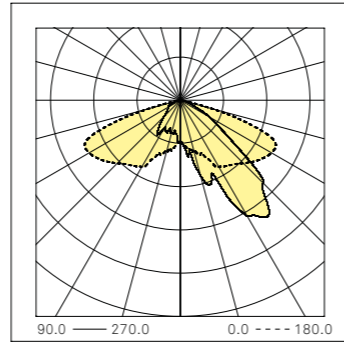
Driver functions

- 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**

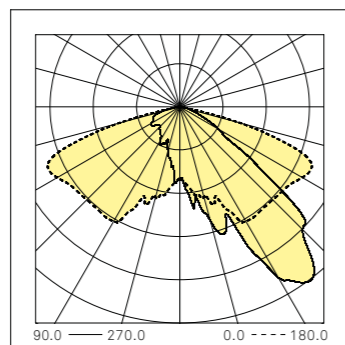
Type I - A



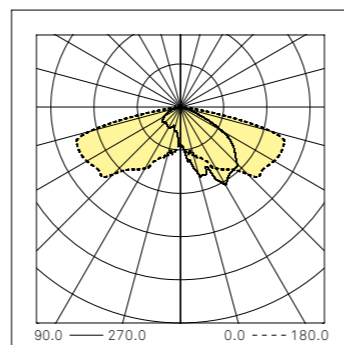
Type II - D



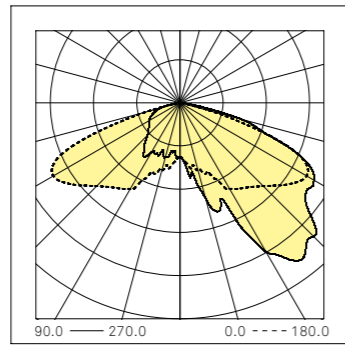
Type III - B



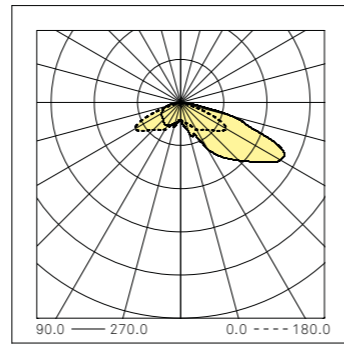
Type III - C



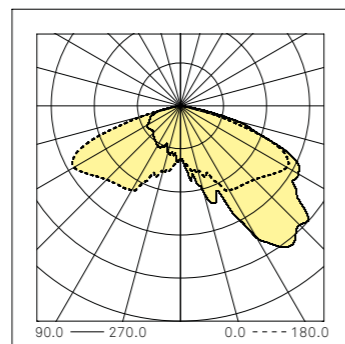
Type III - H



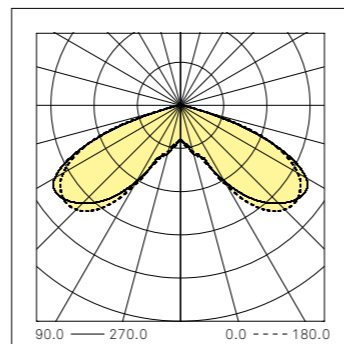
Type IV - A



Type IV - C



Type V - A



LIGHT 803

Screen: Prismatic

Luminous Flux - 3000K

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

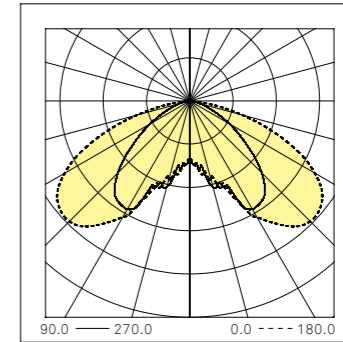
System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	11.3	132	16	2 x 107	9.1	165
2500	18.4	136	16	2 x 181	15.7	159
3500	26.6	132	16	2 x 259	22.9	153
4500	32.6	138	24	2 x 220	28.8	156
6000	45.6	132	24	2 x 300	39.9	150
7500	55.4	135	32	2 x 280	49.4	152
9000	67.4	134	32	2 x 341	61.0	148
10500	81.0	130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

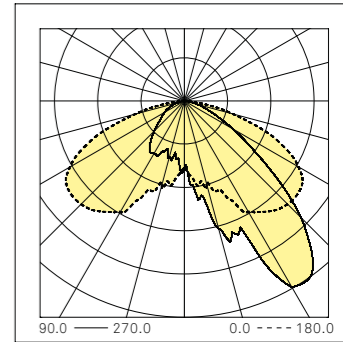
Driver functions

- 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**

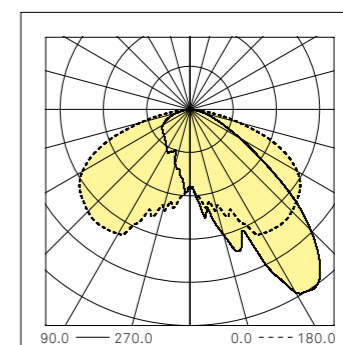
Type I - A



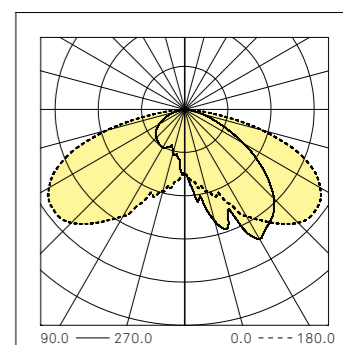
Type II - D



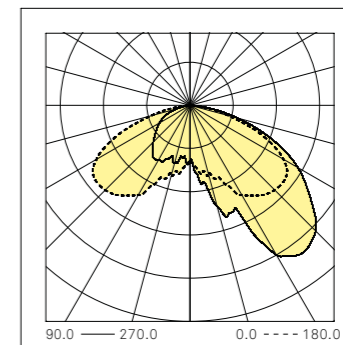
Type III - B



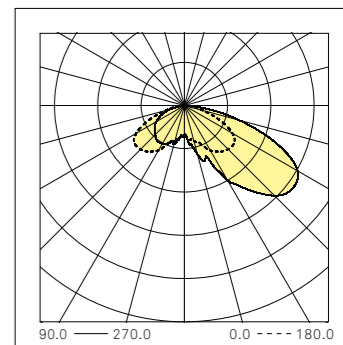
Type III - C



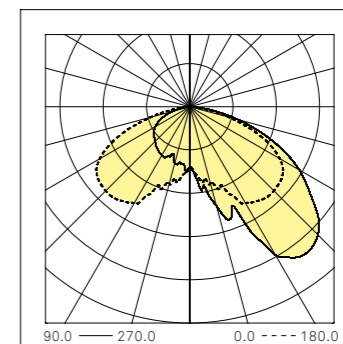
Type III - H



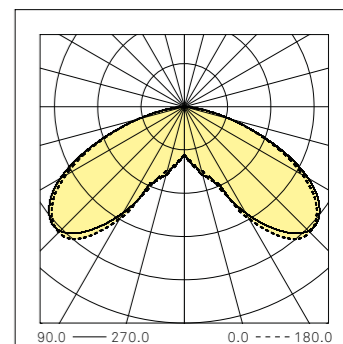
Type IV - A



Type IV - C



Type V - A





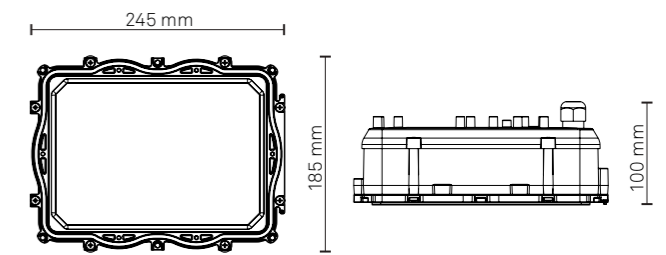
REFITTING KIT



REFITTING KIT RNC21

Refitting kit

Mechanical characteristics		Electrical characteristics	
Height	100 mm	Voltage	220-240V
Width	185 mm	Frequency	50-60 Hz
Length	245 mm	Cos ϕ	> 0.95
Weight	2.0 Kg	Operative Temp.	-35°C / +50°C
IP	66	- Wiring predisposition: Electrical insulation Class I or II	
IK	09		



TECHNICAL DATA:

Product benefits

- LED Current < 400 mA.
- Minimum IPEA rating A7+.
- Shield in extra-clear and prismatic tempered glass.
- Ease installation and maintenance.
- Flexibility installation, designed to fit all lighting fixtures.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).
- Smart City Ready - Zhaga Book 18 connector and remote management in compartment IP66 (on request).
- Neri Kruithof system (Tunable White Technology).
- Wide range of optical lighting distributions (on request).
- NPSB - Neri passive safety board.
- Visual comfort.
- Main body in die-cast aluminum.
- Disassemblable.

Connection

- Refitting kit is set up for fixing on a 1.5mm thick flat plate.
- For installation on third parties lanterns please contact us.

Materials

- Die-cast aluminum (UNI EN 1706).
- Extra-clear transparent and prismatic tempered flat glass.
- Polycarbonate (PC).
- Stainless steel fasteners.
- Polyamide PA6.

Structure - Main components

- Integrated heat sink in cast aluminium.
- Shield in extra-clear tempered glass with impact resistance IK09 (EN 62262).
- Frame for fixing the kit to the plate in polycarbonate.
- Possibility to install auxiliary devices comply to Zhaga Book 18.

Painting

- Powder coating.
- Matt white colour.

Accessories

- PIR presence detector.
- Infrared programmer for presence detector (cod. 7019.030.002).

Operations - Maintenance

- It is necessary to check in advance the state of the lighting fixture that will house the refitting kit and, if necessary, restore it.
- The refitting kit can be installed only by qualified personnel, responsible for the intervention.
- Refer to the product's installation and maintenance manual.
- It is the installer's responsibility to ensure correct installation and electrical connection in accordance with the applicable standards.
- Periodic maintenance for the external cleaning of the structure and the screens from dust and smog and tightening control to the support.

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100000 h.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Optical characteristics

- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Wide range of optical lighting distributions (on request).
- LED type: Lumileds Luxeon 5050
- Source efficacy LED: 164 lm/W @ Tj=25°C, 800 mA, 3000K
- Source efficacy LED: 169 lm/W @ Tj=25°C, 800 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 70 .
- Angular colour uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

REFITTING KIT RNC21

Screen: Transparent

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.1	149	16	2 x 94	8.0	188
2500	16.2	154	16	2 x 159	13.7	183
3500	22.8	154	16	2 x 226	19.8	177
4500	30.0	150	16	2 x 297	26.3	171
6000	38.5	156	24	2 x 261	34.5	174
7500	50.4	149	24	2 x 333	44.6	168

Luminous Flux - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	9.8	153	16	2 x 91	7.7	194
2500	15.7	159	16	2 x 154	13.2	189
3500	22.0	159	16	2 x 219	19.1	183
4500	29.1	154	16	2 x 287	25.4	177
6000	37.3	161	24	2 x 253	33.3	180
7500	48.8	154	24	2 x 322	43.0	174

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

Driver functions

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

DALI + NCL (Digital control + Neri Constant Lumen)

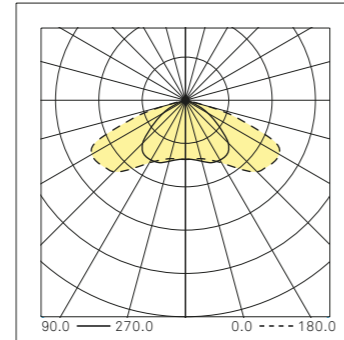
PIR Presence detector + SR

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

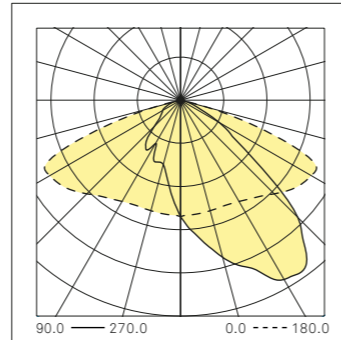
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector-SR

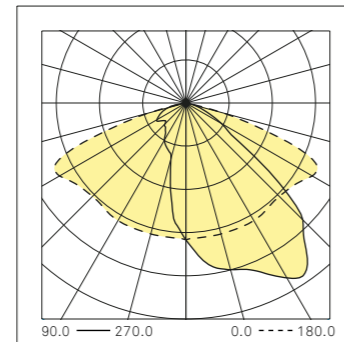
Type I - A



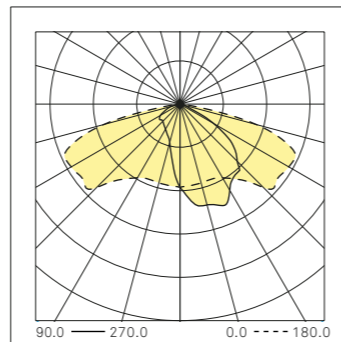
Type II - D



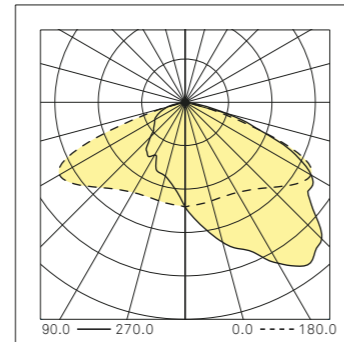
Type III - B



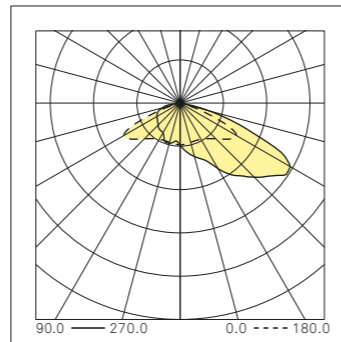
Type III - C



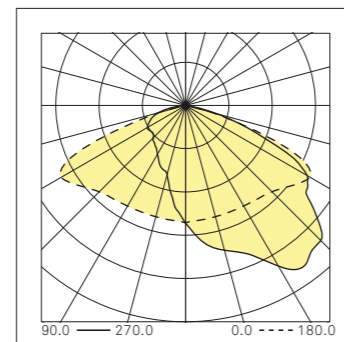
Type III - H



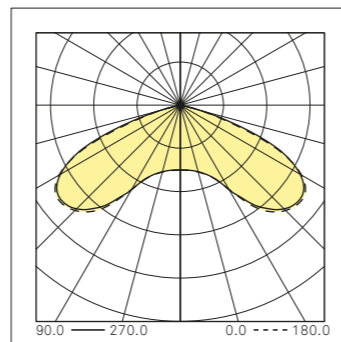
Type IV - A



Type IV - C



Type V - A



REFITTING KIT RNC21

Screen: Prismatic

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.7	141	16	2 x 100	8.5	177
2500	17.2	145	16	2 x 169	14.6	171
3500	25.0	140	16	2 x 242	21.2	165
4500	32.0	141	16	2 x 317	28.2	159
6000	42.6	141	24	2 x 279	37.0	162

Luminous Flux - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1500	10.4	145	16	2 x 97	8.2	182
2500	16.7	150	16	2 x 164	14.1	177
3500	24.3	144	16	2 x 234	20.5	171
4500	31.0	145	16	2 x 307	27.3	165
6000	41.3	145	24	2 x 270	35.7	168

** The energetic values in the table are referred to the LED + power supply.
- CCT 2200K and 2700K on demand.

Driver functions

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

DALI + NCL (Digital control + Neri Constant Lumen)

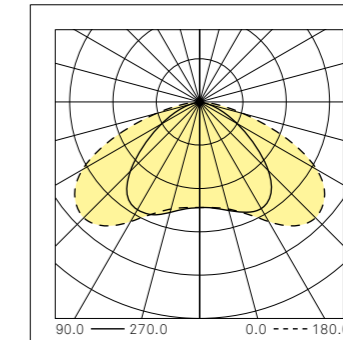
PIR Presence detector + SR

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

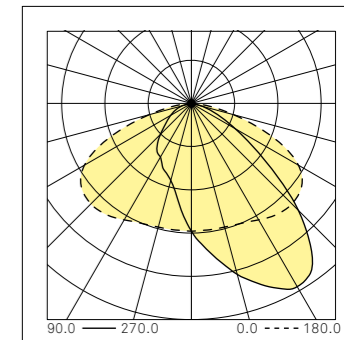
ON-OFF + NCL (On-Off + Neri Constant Lumen)

Zhaga connector-SR

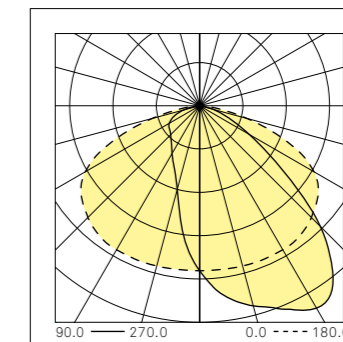
Type I - A



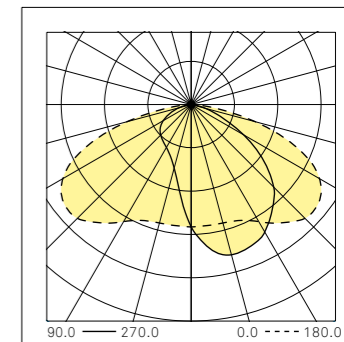
Type II - D



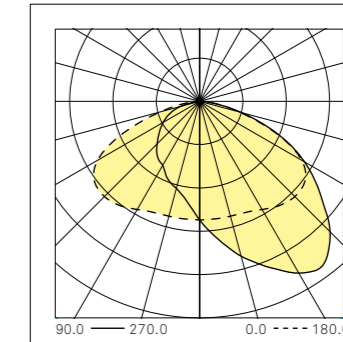
Type III - B



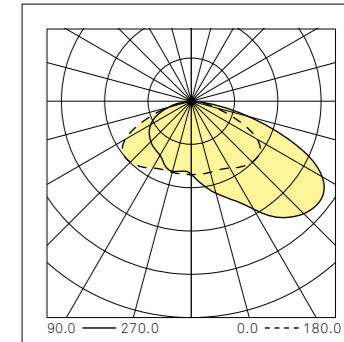
Type III - C



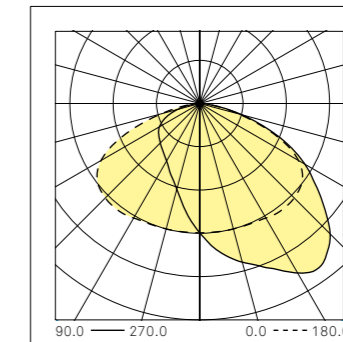
Type III - H



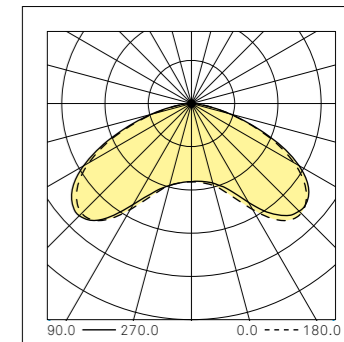
Type IV - A



Type IV - C



Type V - A



REFITTING KIT RNC21 KRUIHOF

Screen: Prismatic

Optical characteristics

- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- LED type: Nichia NVSLE21AT.
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100000h L80B10 ($T_q = 25^\circ\text{C}$).
- Colour Rendering Index (Ra): ≥ 80 .

LED source from 2200K to 4000K - Table data: 3000K

System**		LED Module			
lm	W	lm/W	mA	W	lm/W
2500	24.0	104	300	19.9	126
3500	33.8	104	430	29.1	120
4500	44.0	102	565	38.3	117

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

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction (PF CCT)	1.23 (123%)	1.05 (105%)	1.00 (100%)	0.97 (97%)	0.95 (95%)

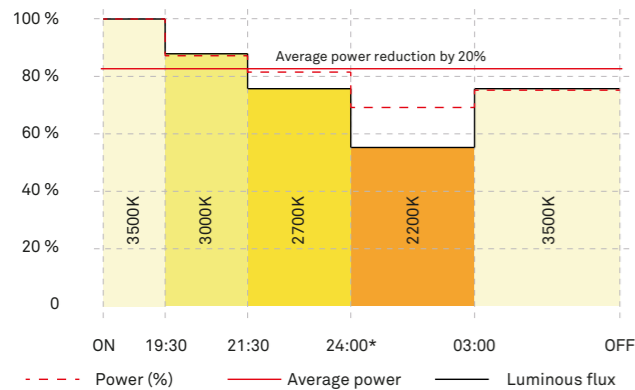
PF (CCT): Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruihof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUIHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

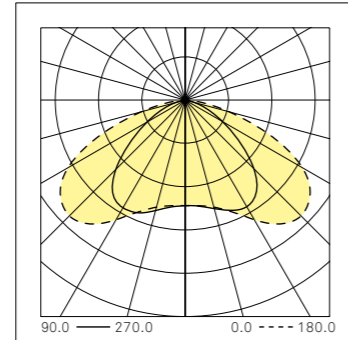
** The technology allows an average power reduction of 20%.

PRESET LIGHTING SCENES

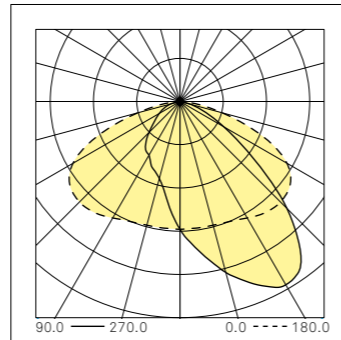
01	02	03	04	05
4000K (lm 100%)	3500K (lm 100%)	3000K (lm 100%)	2700K (lm 100%)	2200K (lm 100%)
06	07	08	09	10
4000K (lm 75%)	3500K (lm 75%)	3000K (lm 75%)	2700K (lm 75%)	2200K (lm 75%)
11	12	13	14	15
4000K (lm 50%)	3500K (lm 50%)	3000K (lm 50%)	2700K (lm 50%)	2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

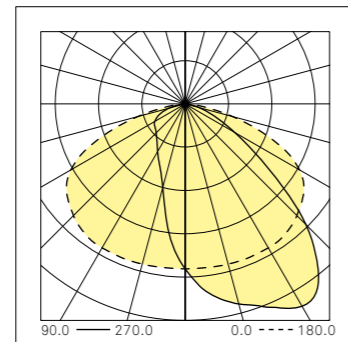
Type I - A



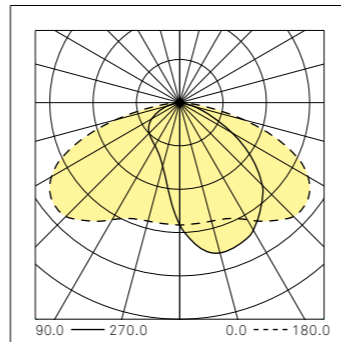
Type II - D



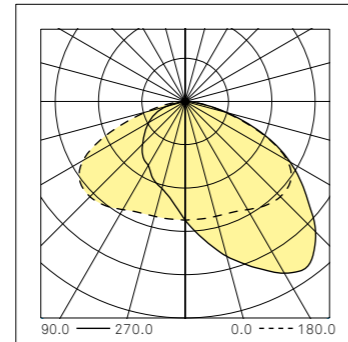
Type III - B



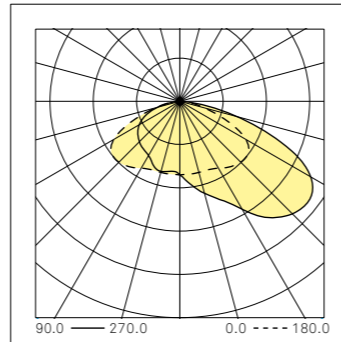
Type III - C



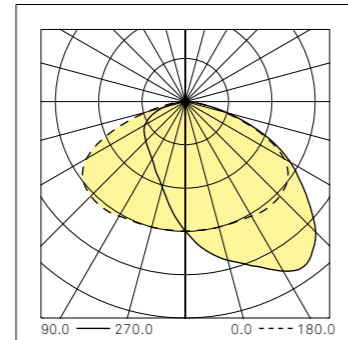
Type III - H



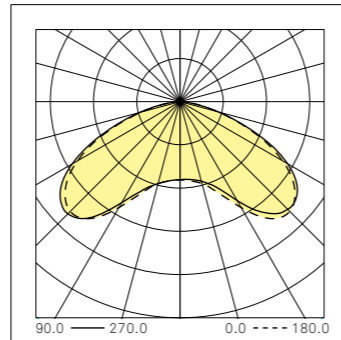
Type IV - A



Type IV - C



Type V - A



REFITTING KIT RNC21 KRUIHOF

Connection: On-plate

DESCRIPTION

Fixing plate

Refitting kit support plates has to be ordered separately.

NERI product series compatible with RNC21 Refitting kit	Features of compatible NERI products	Plate code
Light 800	Die-cast aluminum version, tilting reflector, without optics. The screens may or may not be retained.	0006.153.078D
Light 801; Light 803	Original version with optics. The devices must retain the basket or the screens.	0006.153.088D
Light 801	Original version with optics, where the basket and the disconnecting switch are designed to be removed.	0006.153.078D
Light 804	The lantern will retain the original flat screen and the refitting kit will be positioned in place of the pre-existing reflector.	0006.153.094D
Light 804 Fortimo	The lantern will not retain the original flat screen and the refitting kit will be positioned where the pre-existing screen is removed.	0006.153.095D
Light 400; Light 500; Light 600	Original version with optics. The devices must retain the pre-existing basket or screens.	0006.153.088D
Light 400; Light 500; Light 600	Original version with or without optics, where existing pre-baskets are designed to be removed. Excluding brass versions.	0006.153.091D
Light 400; Light 500; Light 600	Original version without optics, where pre-existing screens are to be retained. Including brass versions.	0006.153.092D
Light 104; MN109	Original version with optics. The devices must retain the existing screen. Excluding the original LED OPTIBOX and 7x4 versions.	0006.153.093D
Light 106	The product may or may not retain the flat screen of the original lantern. The refitting kit will be replace the original reflector which will be removed.	0006.153.080D
Light 21; Light 31	The product may or may not retain the screen of the original lantern, with the preexisting ring being retained.	0006.153.081D
Light 21 LED; Light 31 LED	The product keeps the existing ring.	0006.153.089D
Light 22; Light 32	Original version with optics. The devices must necessarily maintain the pre-existing screen.	0006.153.084D
Light 22; Light 32	Original version with optics. The refitting kit will replace the pre-existing screen which will be removed.	0006.153.085D
Light 34; Light 37; Light 23; Light 24; Light 33; Light 35	The refitting kit will will replace the original screen which will be removed.	0006.153.082D
Light 700; Light 701	Version with or without optics and with or without screens.	0006.153.086D
Light Altair	Version with optics. The product may or may not retain the screen of the original device.	0006.153.083D

Accessories

Accessory code	Description
Z002.0431.008	IP68 Plug&Socket circular connector.



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