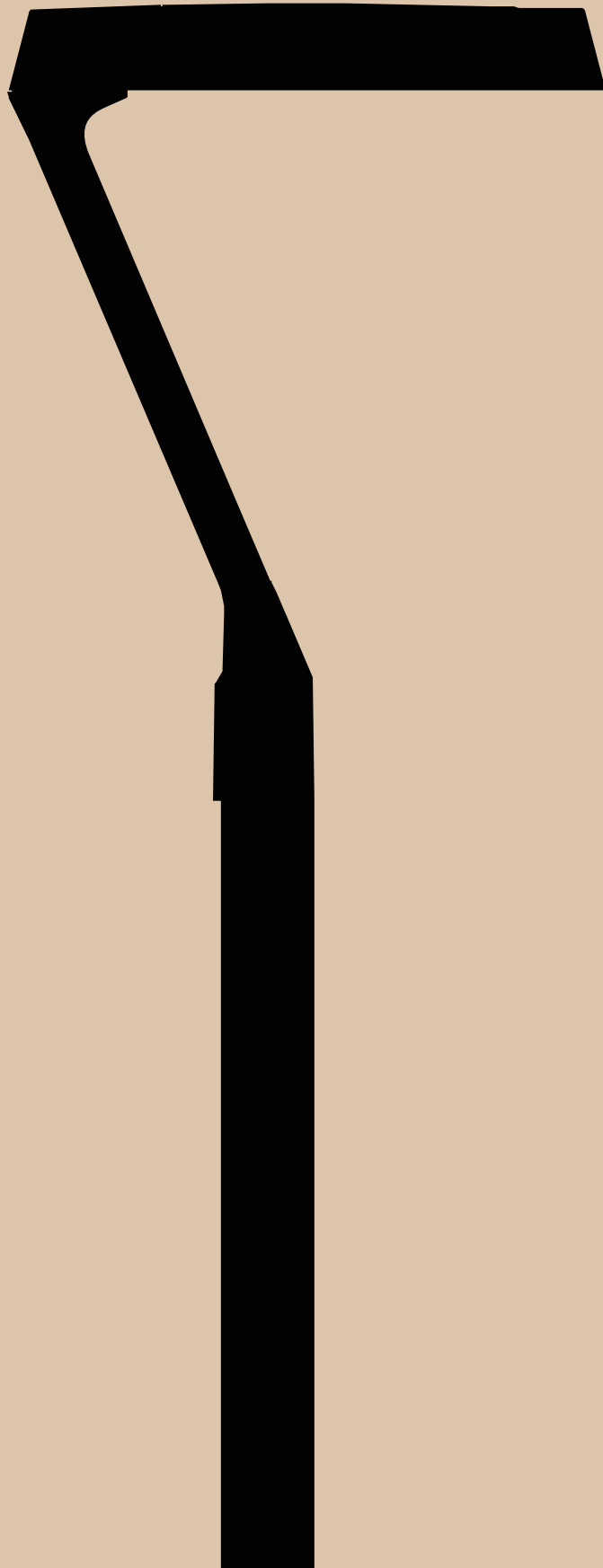



# NERI

Polis





**Product designed to illuminate, with efficiency and discretion, residential areas, parks, squares and city centers. Polis is the result of a design process that has had the goal of achieving a perfect balance between aesthetics and performance. Timeless shapes and constructive quality are combined with innovative lighting solutions developed for use in road and urban contexts.**





POLIS COLLECTION

9

8

7

6

5

4

3

2

1



Polis luminaire  
for catenary systems

Polis post top luminaire  
h 4 and 5 m

Polis post top luminaire  
h 4 and 5 m

Post top luminaire with arm  
h 4 and 5 m

Polis suspended luminaire



**The balance of the forms and the extreme attention to the constructive quality are combined with excellent lighting performance.**

**Polis is characterized by great flexibility in terms of photometric distributions, lumen output and control systems. These features make it an effective tool in designing lighting sets, characterized by comfort, quality and efficiency.**

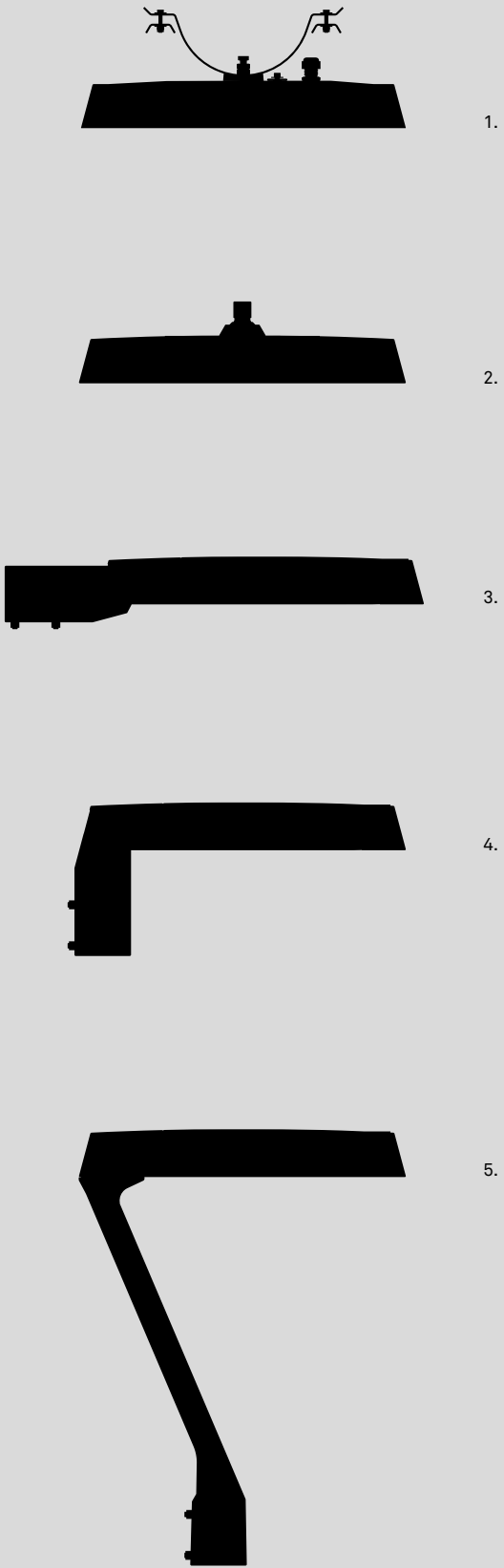


THE POLIS LIGHTING SYSTEM

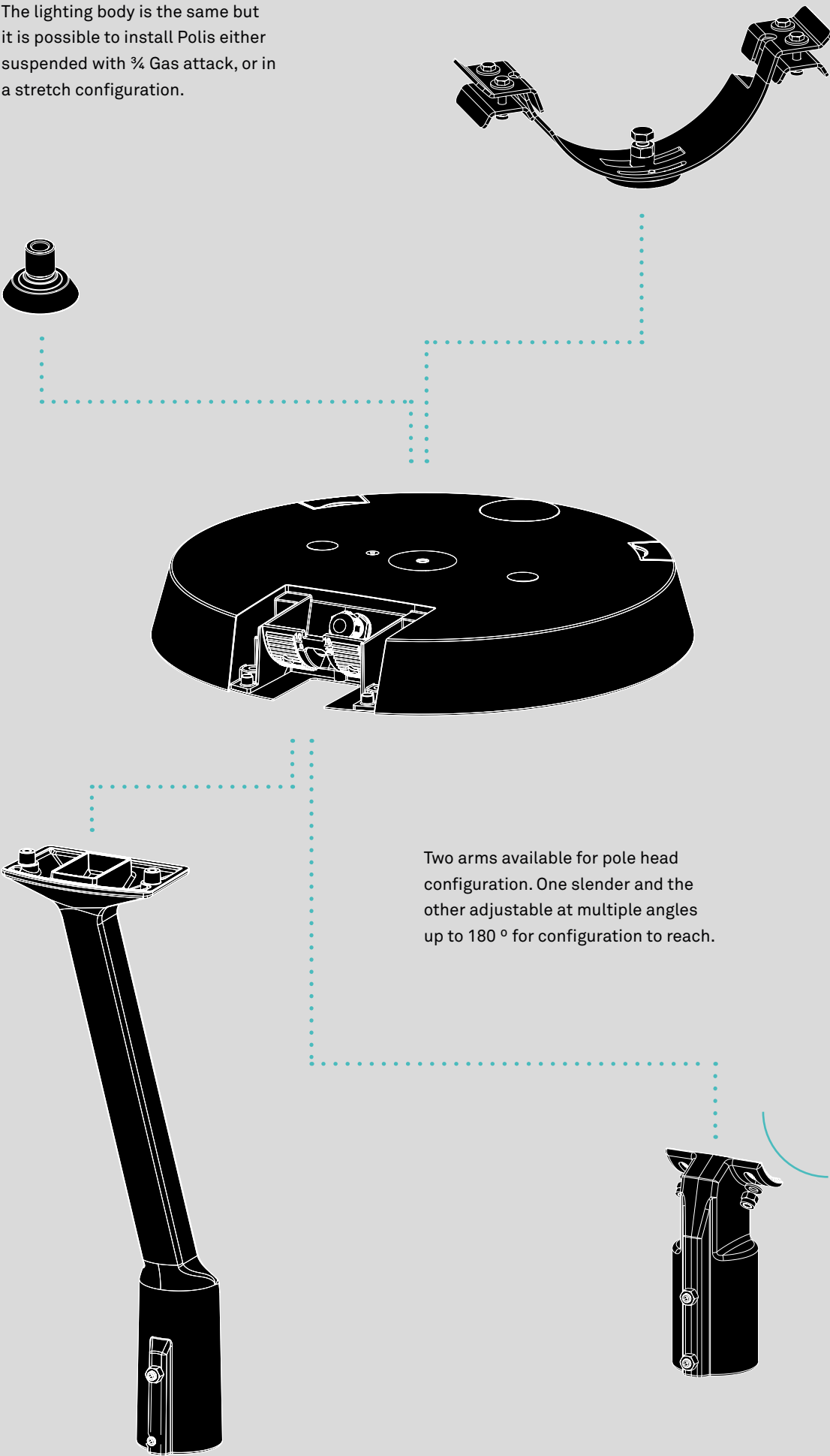
The Polis, brings together as many as 5 types of installation, obtained thanks to 4 types of adjustable attacks.

- 1. Polis head configuration
- 2. Polis suspension configuration
- 3. Polis outreach configuration
- 4. Polis post top configuration
- 5. Polis post top configuration

System accessories:  
Zhaga connector  
Presence sensor



The lighting body is the same but it is possible to install Polis either suspended with ¾ Gas attack, or in a stretch configuration.



Two arms available for pole head configuration. One slender and the other adjustable at multiple angles up to 180 ° for configuration to reach.

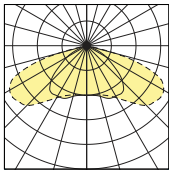
OPTICAL CONFIGURATION

There is a choice of eight different photometric distributions. The available photometries are:

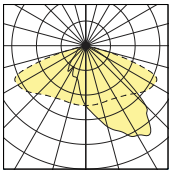
- Symmetrical (type I, V)
- Asymmetric (type II, III, IV).

TRANSPARENT EXTRA-CLEAR TOP GLASS

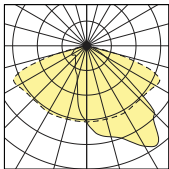
TYPE I – A



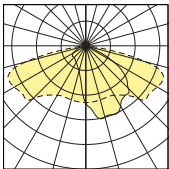
TYPE II – D



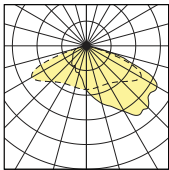
TYPE III – B



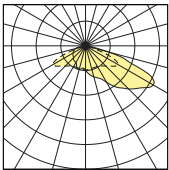
TYPE III – C



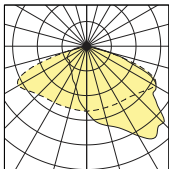
TYPE III – H



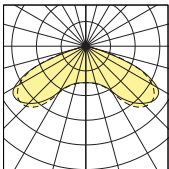
TYPE IV – A



TYPE IV – C



TYPE V – A



2700K

lm tot	W tot	lm/W
2.500	17,3	145
3.500	25,1	139
4.500	32,2	140
6.000	41,6	144
7.500	54,1	139
9.000	63	143
10.500	74,9	140
12.000	87,9	137
13.500	93,6	144

3000K

lm tot	W tot	lm/W
2.500	16,7	150
3.500	24,2	145
4.500	30,9	146
6.000	39,8	151
7.500	51,9	144
9.000	60,4	149
10.500	71,7	147
12.000	84,2	143
13.500	89,7	150

4000K

lm tot	W	tot lm/W
2.500	16	156
3.500	23,3	150
4.500	29,6	152
6.000	37,9	158
7.500	49,6	151
9.000	57,8	156
10.500	68,3	154
12.000	80,2	150
13.500	85,7	158

## Main features

- 8 optical lighting distributions
- 9 lumen output: 2500lm to 13500lm
- 3 standard correlated color temperatures: 2700K, 3000K and 4000K
- CCT 2200K on request





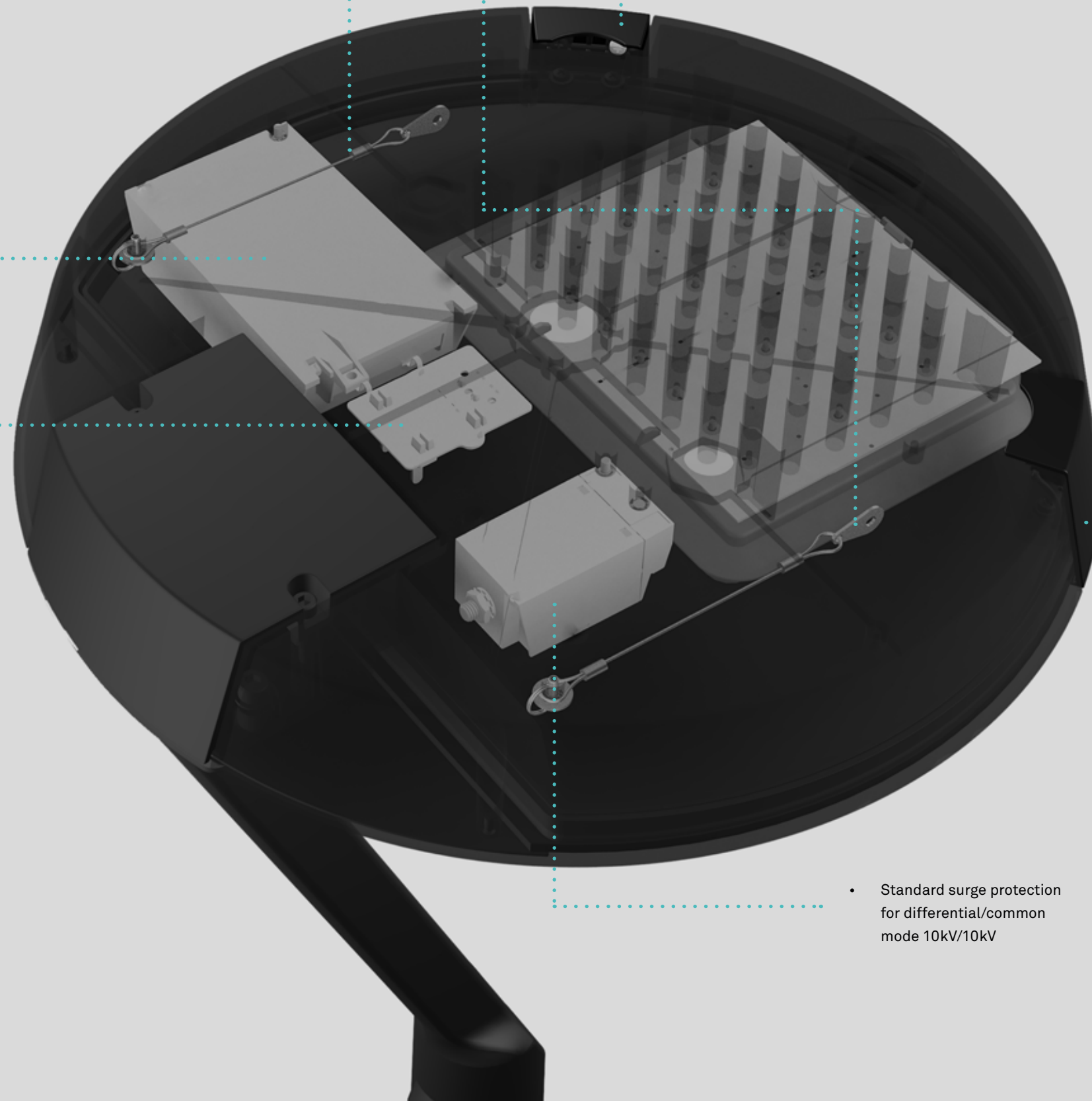
- 1-10V + NCL (Analogic control + Neri Constant Lumen)
- DALI + NCL (Digital control + Neri Constant Lumen)
- NVL6H + NCL (Autodimming - 30% x 6h + Neri Constant Lumen)
- AmpDim + NCL (Flux regulator + Neri Constant Lumen)
- ON-OFF + NCL (ON-OFF + Neri Constant Lumen)
- Aveliable with Zhaga connector

- Fall-arrest glass protection

- Tool-less opening

- Classe II of electrical insulation standard
- Classe I of electrical insulation on request

- Standard surge protection for differential/common mode 10kV/10kV





NERI SMART DESIGN

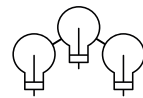
All Neri products can have Smart solutions on request. Please contact the company for more information.



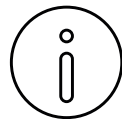
**Motion sensor**  
The single light point or several grouped ones can modulate the luminous flux according to the tracking of the movement of people or things.



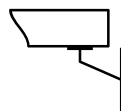
**Adaptive lighting**  
Intelligent sensors enable to modulate the light output according to different weather conditions.



**Light management**  
Products are connected via an intelligent communication network, it is possible to have centralised remote or local control via an app of the individual light point or grouped light points.



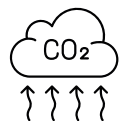
**Public information systems**  
The lighting point can be the element distribution through components such as pole-mounted displays of notices, information for public use.



**Safety modules**  
The products can be integrated with security cameras, audio speakers and emergency call buttons to increase safety in public spaces.



**Public Wifi hotspot**  
The products can be equipped with Wifi modules to create public hotspots. Information for professional or private use may be disclosed through the created network of knots.



**Environmental data recording**  
Intelligent sensors for live monitoring of weather and environmental parameters.

POLIS POST TOP

MAIN TECHNICAL DATA



**OPERATING VOLTAGE**  
220-240V, frequency 50/60Hz

**SURGE PROTECTION**  
Up to 10kV/10kV

**POWER SUPPLY**  
Electronic ballast with short-circuit, overtemperature and overvoltage protection

**RE-PHASING**  
PFC > cos φ 0.9

**ELECTRICAL INSULATION**  
Classe II, Classe I

**DEGREE OF PROTECTION**  
Water and dust IP66  
Mechanical impacts IK09

**COLOUR RENDERING INDEX:**  
> 70

–  
Neri SpA reserves the right to make changes to its products and documentation without prior notice.



SCREEN

CLEAR FLAT GLASS

OPTICAL SYSTEM

TYPE I - A	CENTER ROAD
TYPE II - D	ASYMMETRIC ROAD
TYPE III - B	ASYMMETRIC ROAD
TYPE III - C	ASYMMETRIC ROAD
TYPE III - H	ASYMMETRIC ROAD
TYPE IV - A	ASYMMETRIC DEPTH
TYPE IV - C	ASYMMETRIC DEPTH
TYPE V - C	ROTOSYMMETRIC

COLOUR TEMPERATURE

2,700K
3,000K
4,000K

FLUX SIZES

2,500 lm
3,500lm
4,500lm
6,000lm
7,500lm
9,000lm
10,500lm
12,000lm
13,500lm*

DRIVER FUNCTIONS

1-10V + NCL
DALI + NCL
NVL6H + NCL
AMPDIM + NCL
ON-OFF + NCL
CONNETTORE ZHAGA + SR

POLIS POST TOP WITH ARMS

MAIN TECHNICAL DATA



**OPERATING VOLTAGE**  
220-240V, frequenza 50/60Hz

**SURGE PROTECTION**  
Up to 10kV/10kV

**POWER SUPPLY**  
Electronic ballast with short circuit, overtemperature and overvoltage protection with an estimated life of B10 to 100,000 h.

**RE-PHASING**  
PFC > cos φ 0.9

**ELECTRICAL INSULATION**  
Classe II, Classe I

**DEGREE OF PROTECTION**  
Water and dust IP66  
Mechanical impacts IK09

**COLOUR RENDERING INDEX:**  
> 70

–  
Neri SpA reserves the right to make changes to its products and documentation without prior notice.



SCREEN

CLEAR FLAT GLASS

OPTICAL SYSTEM

TYPE I - A	CENTER ROAD
TYPE II - D	ASYMMETRIC ROAD
TYPE III - B	ASYMMETRIC ROAD
TYPE III - C	ASYMMETRIC ROAD
TYPE III - H	ASYMMETRIC ROAD
TYPE IV - A	ASYMMETRIC DEPTH
TYPE IV - C	ASYMMETRIC DEPTH
TYPE V - A	ROTOSYMMETRIC

COLOUR TEMPERATURE

2,700K
3,000K
4,000K

FLUX SIZES

2,500 lm
3,500lm
4,500lm
6,000lm
7,500lm
9,000lm
10,500lm
12,000lm
13,500lm*

DRIVER FUNCTIONS

1-10V + NCL
DALI + NCL
NVL6H + NCL
AMPDIM + NCL
ON-OFF + NCL
CONNETTORE ZHAGA + SR

POLIS CATENARY  
POLIS PENDANT

MAIN TECHNICAL DATA



**OPERATING VOLTAGE**  
220-240V, frequenza 50/60Hz

**SURGE PROTECTION**  
Up to 6kV/10kV

**POWER SUPPLY**  
Electronic ballast with short circuit, overtemperature and overvoltage protection with an estimated life of B10 to 100,000 h.

**RE-PHASING**  
PFC > cos ϕ 0.9

**ELECTRICAL INSULATION**  
Classe II, Classe I

**DEGREE OF PROTECTION**  
Water and dust IP66  
Mechanical impacts IK06

**COLOUR RENDERING INDEX:**  
> 70

—  
Neri SpA reserves the right to make changes to its products and documentation without prior notice.



SCREEN

CLEAR FLAT GLASS

OPTICAL SYSTEM

TYPE I - A	CENTER ROAD
TYPE II - D	ASYMMETRIC ROAD
TYPE III - B	ASYMMETRIC ROAD
TYPE III - C	ASYMMETRIC ROAD
TYPE III - H	ASYMMETRIC ROAD
TYPE IV - A	ASYMMETRIC DEPTH
TYPE IV - C	ASYMMETRIC DEPTH
TYPE V - C	ROTOSYMMETRIC

COLOUR TEMPERATURE

2,700K

3,000K

4,000K

FLUX SIZES

2,500 lm

3,500lm

4,500lm

6,000lm

7,500lm

9,000lm

10,500lm

12,000lm

13,500lm\*

DRIVER FUNCTIONS

1-10V + NCL

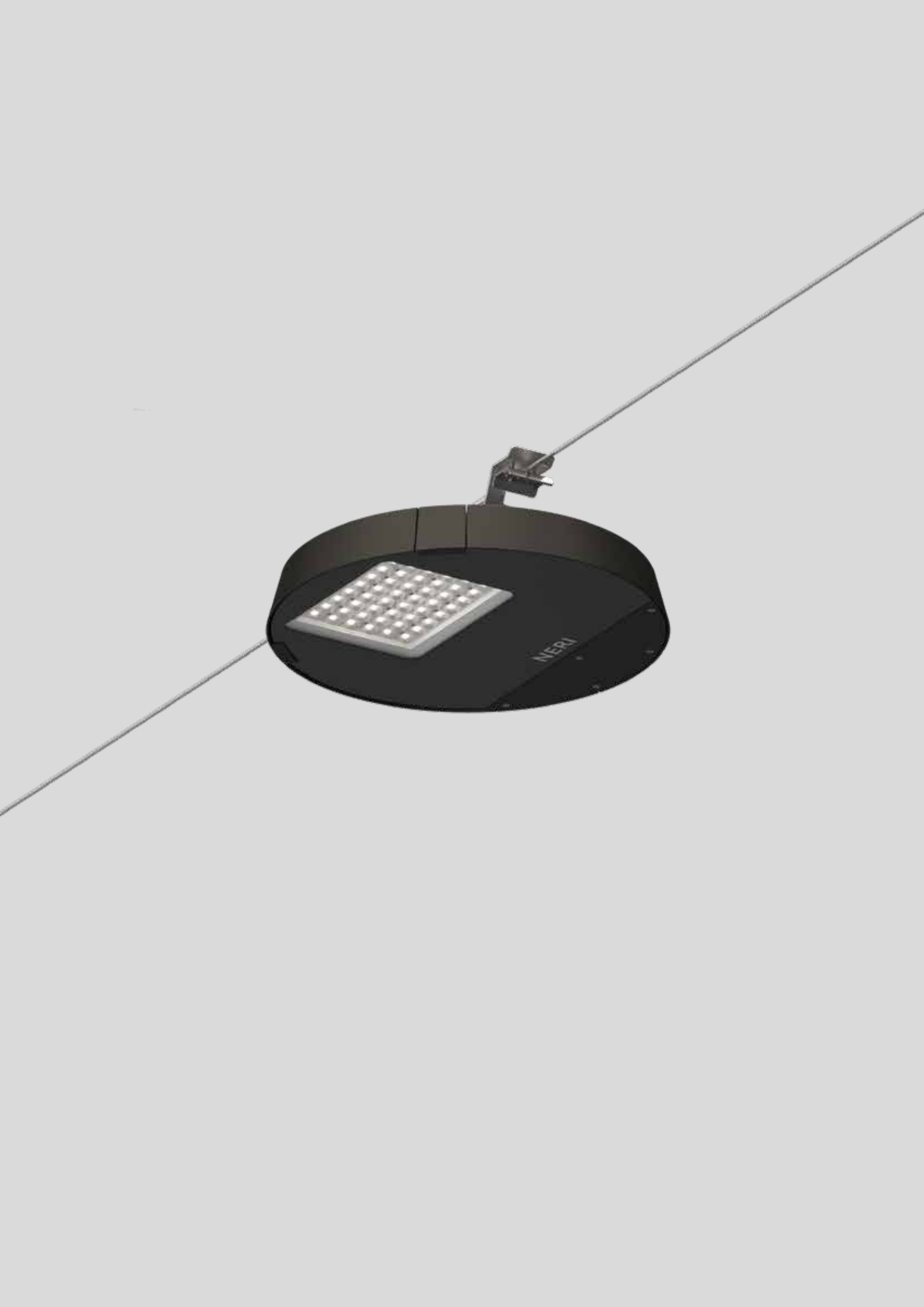
DALI + NCL

NVL6H + NCL

AMPDIM + NCL

ON-OFF + NCL

CONNETTORE ZHAGA + SR









Neri S.p.A.  
S.S. Emilia 1622  
47020 Longiano (FC) · Italy  
T +39 0547 652111  
F +39 0547 54074

Neri North America Inc.  
1547NW 79th Avenuez  
Miami, FL 33172, USA  
T +1 786 315 4367  
F +1 786 693 7763

Neri Lighting India Pvt. Ltd.  
Plot no 46-A, Malur 4th Phase,  
KIADB Industrial area,  
Malur – Karnataka · 563130

Neri S.p.A. (DMCC Branch)  
29-29 Reef Tower Cluster O  
JLT – Jumeirah Lake Towers  
P.O. Box: 5003348 · Dubai · UAE  
T +971 4 448 7246  
F +971 4 448 7112

[www.neri.biz](http://www.neri.biz)  
© Aprile 2022 · Neri S.p.A.

