

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

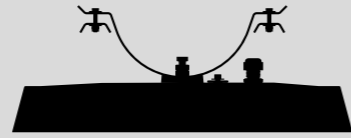


The balance of the forms and the extreme attention to the constructive quality are combined with excellent lighting performance.

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.



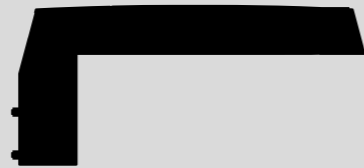
1.



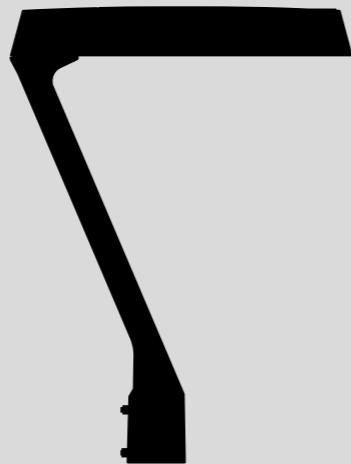
2.



3.



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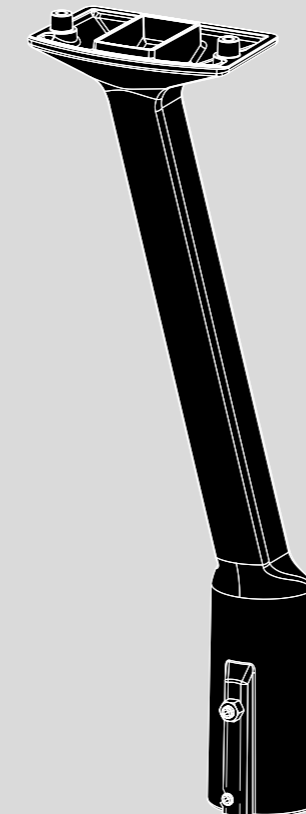
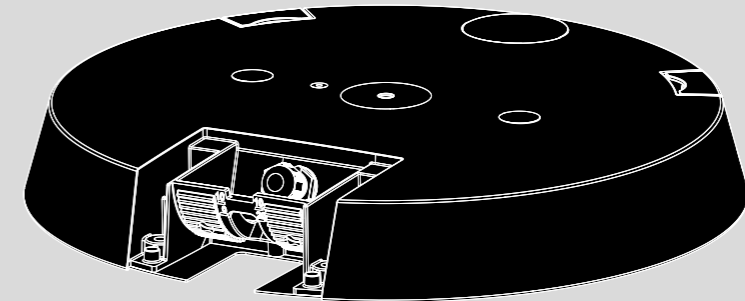
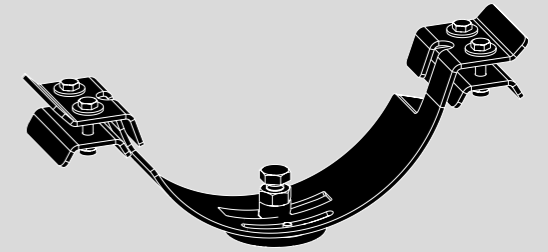


5.

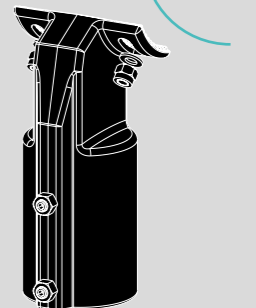
1. Polis head configuration
2. Polis suspension configuration
3. Polis outreach configuration
4. Polis post top configuration
5. Polis post top configuration

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.



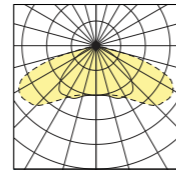
OPTICAL CONFIGURATION

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

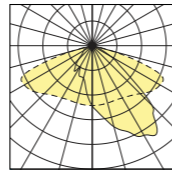
- Symmetrical (type I, V)
- Asymmetric (type II, III, IV).

TRANSPARENT EXTRA-CLEAR TOP GLASS

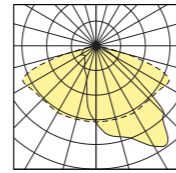
TYPE I – A



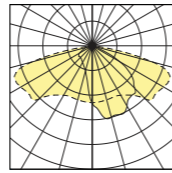
TYPE II – D



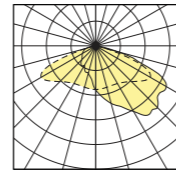
TYPE III – B



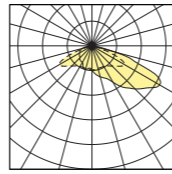
TYPE III – C



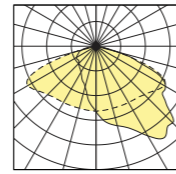
TYPE III – H



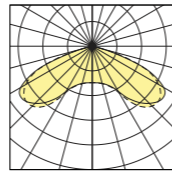
TYPE IV – A



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



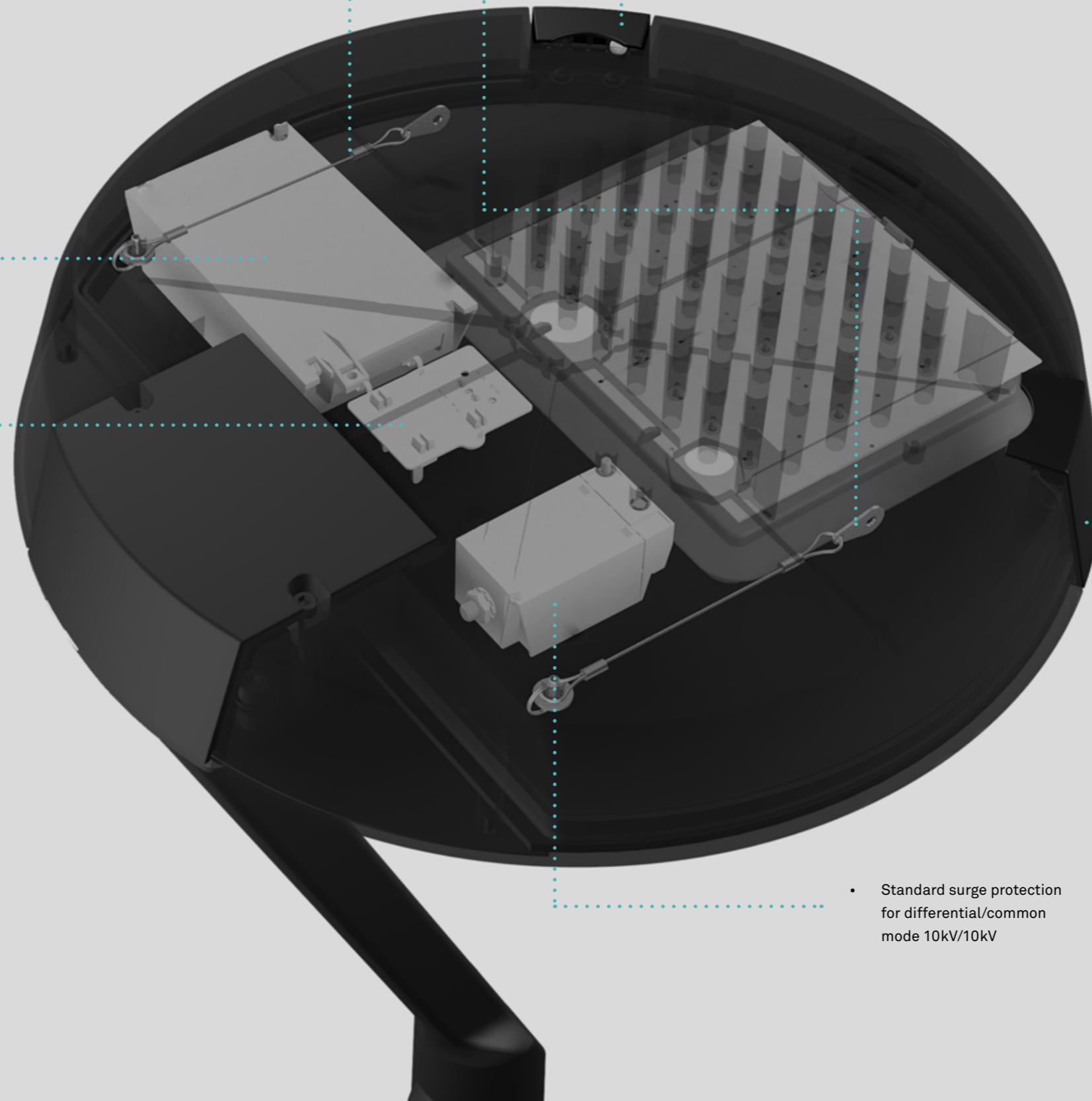
- 1-10V + NCL (Analogic control + Neri Constant Lumen)
- DALI + NCL (Digital control + Neri Constant Lumen)
- NVL6H + NCL (Autodimming - 30% x 6h + Neri Constant Lumen)
- AmpDim + NCL (Flux regulator + Neri Constant Lumen)
- ON-OFF + NCL (ON-OFF + Neri Constant Lumen)
- Available with Zhaga connector

- 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.



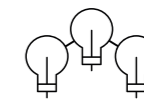
Motion sensor

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.



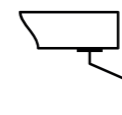
Light management

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.



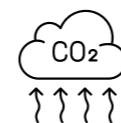
Safety modules

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

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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
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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

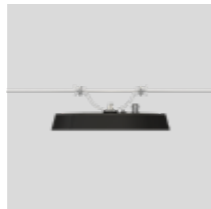
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TYPE III - C	ASYMMETRIC ROAD
TYPE III - H	ASYMMETRIC ROAD
TYPE IV - A	ASYMMETRIC DEPTH
TYPE IV - C	ASYMMETRIC DEPTH
TYPE V - C	ROTSYMMETRIC

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





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