

# NERI

Light 500  
Light source: discharge lamps

Serie **SN500** + SSS X YY ZZ  
Mounting: post-top

Technical sheet  
Rev. B 10-2015  
Measures in mm

## DESCRIPTION

### Dimensions - Area exposed to wind pressure - Weight

Height	Width	Length	Diameter	Area exposed to wind (S)	Weight <sup>(A)</sup>	Weight <sup>(B)</sup>
730 mm			470 mm	0.216 m <sup>2</sup>	13.5 Kg	11.5 Kg

<sup>(A)</sup> Max weight of light fixture with electromagnetic wiring.

<sup>(B)</sup> Max weight of light fixture with electronic wiring.

### Electrical characteristics (electromagnetic wiring)

Voltage	Frequency	IP	Insulation class		Cos $\Phi$	Oper. Temp. °C
230V	50Hz	43	CL II	CL I $\pm$ (on request)	> 0.9	-30... +40

### Electrical characteristics (electronic wiring)

Voltage	Frequency	IP	Insulation class		Cos $\Phi$	Oper. Temp. °C
208-277V	50/60Hz	43	CL II	CL I $\pm$ (on request)	> 0.9	-30... +50

### Conformity

CE	2014/35/UE (LVD)	2014/30/UE (EMC)	2011/65/UE (RoHS)	(ErP)
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### Mounting system

- Suitable for suspended mounting.
- Connection with threaded tube male G 3/4" in galvanized steel.

### Materials

- Sheet in aluminum.
- Die-cast aluminum (UNI EN 1706).
- Galvanized steel.
- Acrylic screen (PMMA).
- Polycarbonate (PC).
- Screws in stainless steel and brass.

### Structure - Main components

- Upper frame with circular shaped richly decorated in die-cast and sheet aluminum, hinged to the lower frame and equipped with two small knobs for opening and a threaded tube G3/4" for connected to support.
- Lower tilting frame in die-cast aluminum, for access to optical and wiring compartment, composed by a circular ring, three curved arms and a flange with decorative element at the centre.
- Wiring plate in galvanized steel sheet, easily removable.
- Screen in a single piece in acrylic (PMMA) transparent or frosted finish, with support reflector in polycarbonate (PC) white color (optic compartment IP66). Shock resistance IK06.

### Optics

- Reflector mod. 1 - street lighting - Installation on the side of street. Installation on the side of street.

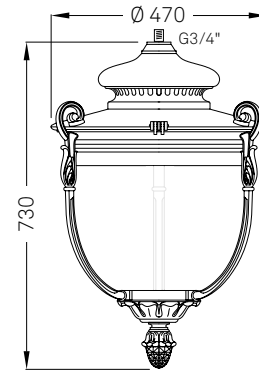
### Operations and maintenance

- To opening the light fixture and access to wiring and optic compartment, loosen the two small knobs on cover and rotate the lower frame.
- To replace the lamp, rotate the support of lampholder on the reflector and pull out.
- During maintenance operations, no part or component is detached from the structure.
- During installation, follow the instructions for the correct optic orientation on the support.
- Periodic maintenance (about once a year) for external cleaning of the structure and screen from dust and smog, and the control of fastening of all screws, must be performed with light fixture switched off and cold.

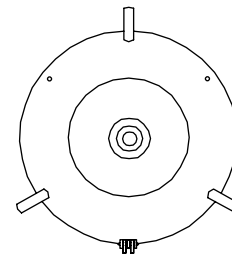
### Painting

- Standard color is metalized matt dark gray, type Neri.
- Other colours of RAL range on request.
- Information about paint steps used on this product in specific technical sheet.

## DRAWINGS AND TECHNICAL INFORMATIONS



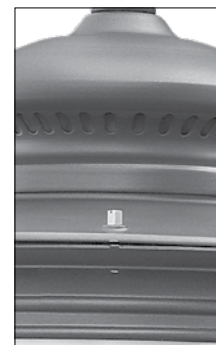
Front - Side view



Plan view



Example with frosted screen



Details

### Code construction

To configure the complete code of luminaire, add in sequence after **Serie** code, the others parts of code: Ballast-screen (**SSS**) + Optic (**X**) + Lamp predisposition (**YY**) + Wiring type (**ZZ**). See configurations tables on the following page.

## CONFIGURATION WITH ELECTROMAGNETIC WIRINGS

### Screens

Cod. SSS	Light fixture series	Materials	Finiture	Shock R.
<b>A09</b>	<b>500</b>	Acrylic (PMMA)	Frosted	IK06
<b>A11</b>	<b>500</b>	Acrylic (PMMA)	Transparent	IK06

### Optics

Cod. X	Type	Lighting classes	Classe IES
<b>1</b>	mod.1 - Fixed	Street lighting.	Cut-off

- Reflector in sheet aluminum, polished and oxidized. (thickness 1 mm, purity 99.90%).
- Lampholder regulable for a optimal positioning of lamp.
- Height of installation: from 4.5 to 6.5 meters.

### Wirings (Predisposition for lamps with optical and socket)

Cod. YY	Lamps predisposition	W	Optics	Sockets
<b>32</b>	(MT) Metal halide - (ST) Sodium H.P.	70	1	E27
<b>33</b>	(MT) Metal halide - (ST) Sodium H.P.	100	1	E40
<b>35</b>	(MT) Metal halide - (ST) Sodium H.P.	150	1	E40

- Electromagnetic ballast with high efficiency (CELMA class EEI=A3), with thermal protection.
- Electronic ignitor (pulses until to 4.5 KV).
- Power factor correction capacitor.
- Ceramic lamp holders in relation to the type of lamp.
- Automatic electrical disconnecter when opening the cover.
- Electric components on wiring plate easily removable.
- Terminal board for cables with max section of 2,5 mm<sup>2</sup>.

### Wirings (Characteristics)

Cod. ZZ	Details
<b>14</b>	Insulation class CL II  - Fuse 250V-T6.3A (5 x 20 mm) - Aut. disconnecter

### Note

- Use lamps with efficiency  $\geq$  di 90 lm/W.
- The lamps are not included in the wiring.
- On request can be realized other wiring configurations.

## CONFIGURATION WITH ELECTRONIC WIRINGS

### Screens

Cod. SSS	Light fixture series	Materials	Finiture	Shock R.
<b>E09</b>	<b>500</b>	Acrylic (PMMA)	Frosted	IK06
<b>E11</b>	<b>500</b>	Acrylic (PMMA)	Transparent	IK06

### Optics

Cod. X	Type	Lighting classes	Classe IES
<b>1</b>	mod.1 - Fixed	Street lighting.	Cut-off

- Reflector in sheet aluminum, polished and oxidized. (thickness 1 mm, purity 99.90%).
- Lampholder regulable for a optimal positioning of lamp.
- Height of installation: from 4.5 to 6.5 meters.

### Wirings (Predisposition for lamps with optical and socket)

Cod. YY	Lamps predisposition	W	Optics	Sockets
<b>C4</b>	CPO-TT (Philips)	60	1	E27
<b>C5</b>	CPO-TT (Philips)	90	1	E40
<b>D4</b>	(ST) Sodium H.P.	70	1	E27
<b>D5</b>	(ST) Sodium H.P.	100	1	E40

- Programmable electronic ballast with auto self diagnostics functions, protected against short circuit, over-temperature and over-voltages up to 10 kV (EN61547).
- Estimated life B10 a 80.000 h.
- Ceramic lamp holders in relation to the type of lamp.
- Automatic electrical disconnecter when opening the cover.
- Electric components on wiring plate easily removable.
- Terminal board for cables with max section of 2,5 mm<sup>2</sup>.

### Function of electronic ballast

Cod. ZZ	Details
<b>06</b>	DALI - NCL (Neri Costant lumen)
<b>13</b>	NVL6H (automatic control integrated for lighting flux reduction) - 30% for 6 hours

### Note

- Use lamps with efficiency  $\geq$  di 90 lm/W.
- The lamps are not included in the wiring.
- On request can be realized other wiring configurations.

## PHOTOMETRICS OF REFERENCE

### Reflector mod. 1 - Transparent screen.

Asymmetric for street lighting - Cut off - Type III

