

# NERI

Light 650  
Light source: discharge lamps

Serie **PN650** + 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
790 mm			390 mm	0,184 m <sup>2</sup>	7,8 Kg

### Electrical characteristics (electromagnetic wiring)

Voltage	Frequency	IP	Insulation class	Cos $\Phi$	Oper. Temp. °C
230V	50Hz	23	CL I $\perp$	> 0,9	-30... +40

### Conformity

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

- Suitable for post-top mounting.
- Flange with a hole (28 mm) at the centre for mounting to the support.

### Materials

- Sheet in aluminum.
- Cast aluminum (UNI EN 1706).
- Galvanized steel.
- Acrylic screen (PMMA).
- Polyethylene.
- Stainless steel screws.

### Structure - Main components

- Upper frame with circular shaped in cast and sheet aluminum, decorated with an element at the top. The frame is removable, loosening three screws.
- Lower frame composed by an upper circular ring, three linear vertical arms, a lower ring and a support element with flange and three-arms, equipped with a hole ( $\varnothing$  28 mm) for mounting on the support.
- Wiring plate in polyethylene, easily removable.
- Reflector convex shaped in sheet aluminum, white color.
- Three screen in acrylic (PMMA) transparent or frosted. Shock resistance IK06.

### Optics

- Reflector mod. 0 (reflector white painted) for mixed area lighting.
- Rotosymmetric geometry.

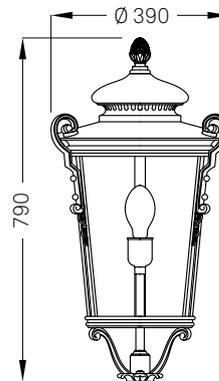
### Operations and maintenance

- To opening the light fixture and access to wiring and optic compartment, loosen the three lateral screws and lift the upper frame.
- To replace the lamp, remove the reflector.
- 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.

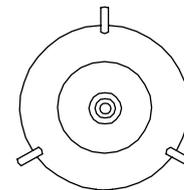
### Painting

- 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 view



Plan view



Example with transparent screen

## 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.
A09	650	Acrylic (PMMA)	Frosted	IK06
A11	650	Acrylic (PMMA)	Trasparent	IK06

### Optics

Cod. X	Type	Lighting classes	Classe IES
0	mod.0	Mixed area lighting - rotosymmetric	No cut-off

- Reflector in sheet aluminum white color, slightly convex with lamp in view in vertical position.
- Height of installation: from 3.5 to 4.5 meters.

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

Cod. YY	Lamps predisposition	W	Optics	Sockets
30	(ST - SE) Sodium H.P.	50	0	E27
32	(MT-ME) Metal halide - (ST-SE) Sodium H.P.	70	0	E27
33	(MT-ME) Metal halide - (ST-SE) Sodium H.P.	100	0	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.
- 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	Detail
03	Insulation class CL I $\frac{1}{2}$ - Fuse 250V-T6,3A (5 x 20 mm)

### 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

**Ottica mod. 0** - Lamp in view with transparent screen.  
Rotosymmetric - No cut off - Type V

