

# NERI

Brenta  
Illuminating Bollard  
Size M

Fixing: On ground

Technical sheet  
Rev.04 - 2024/03/18

## DESCRIPTION

### Compliance

- In compliance with: EN 60598-1; EN 60598-2-3; EN 62031; EN 61347;  
EN 55015; EN 61000-3-2; EN 61000-3-3; EN 61547; UL 1598; FCC CFR-47;  
ANSI C.62.41.



### Mechanical informations

Height	Width	Length	Weight	IP	IK	Area exposed to wind
600 mm	165 mm	239 mm	19 Kg	55	08	0,10 m <sup>2</sup>

### Electrical characteristics

Voltage	Frequency	Cos φ	Insulation Class	Operative Temp.
120-277V	50-60Hz	>0,9	CL II	-35°C / +50°C

### Fixing

- On the ground

### Materials

- Concrete (NeriConcrete)
- Prismatic flat glass (IK08 - EN 62262).
- Stainless steel fastening elements.

### NERI CONCRETE

#### Features

NeriConcrete is an HPC concrete (High Performance Concrete), resistant to bending and compression as shown in the table below:

#### Performance

Flexural strength, EN 1015-11	a 28gg	MPa	13
Compressive strength, EN 1015-11	a 28gg	MPa	75

### Realization

NeriConcrete is a flexible mixture able to adapt to any type of mold, obtained by mixing:

- Powders and concrete components;
- Polymeric fibers;
- Colored pigments;
- Water.

### Impermeability

The surface treatment makes NeriConcrete water repellent and anti-stain.

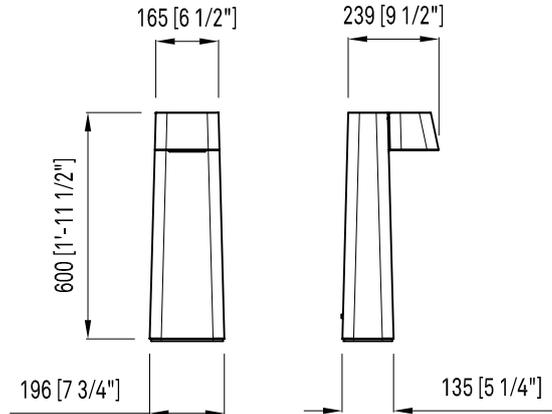
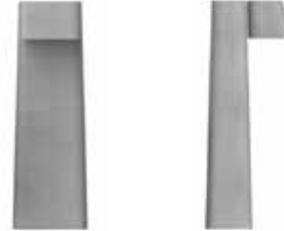
### Operations and maintenance

Use a soft cloth dampened with water and neutral detergents for routine cleaning. Do not use power washing, sandblasting, brushing and scraping, denaturated alcohol, products containing bleach or highly basic pH.

### Finish

- Concrete
- The smooth finish is the result of a very fluid mixture and the quality and type of the molds used.

## DRAWINGS



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Optics: Type II

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## DESCRIPTION

### Optic

Lighting distribution	Distribution type	LOR*	ULOR
Type II	Asymmetric	100%	0%

\* optical efficiency of the device due to physical shielding.

### Luminous flux - 3000K

System*		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
966	13,0	76	2	450	11,0	87

### Luminous flux - 4000K

System*		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
1036	13,0	82	2	450	11,0	94

\*The energetic values in the table are referred to the LED + Power supply.  
- LED type: Cree XHP-50.2  
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 80.000h L80B10 (Tq = 25°C)  
- Colour Rendering Index (Ra):  $\geq 80$

### Driver

#### Driver functions

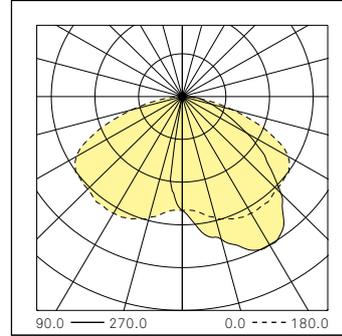
**1-10V + NCL** (Analogic control + Neri Constant Lumen)

- Programmable electronic power supply with auto self diagnostics functions with estimated life B10 at 100,000 h.  
- Standard surge protection for differential mode DM and common mode CM 2kV/2kV (CL I, CL II).

## POLAR DIAGRAMS

### Type II

Luminous intensity class G\*2



CIE flux code				
N.1	N.2	N.3	N.4	N.5
40	75	94	100	100

