

NERI

Brenta
Surface luminaire
Size L

Fixing: Wall mounted

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
120 mm	305 mm	232 mm	11 Kg	55	08	0,03 m ²

Electrical characteristics

Voltage	Frequency	Cos φ	Insulation Class	Operative Temp.
120-277V	50-60Hz	>0,9	CL II ☐	-35°C / +40°C

Fixing

- Wall mounted

Materials

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

NERICONCRETE

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.

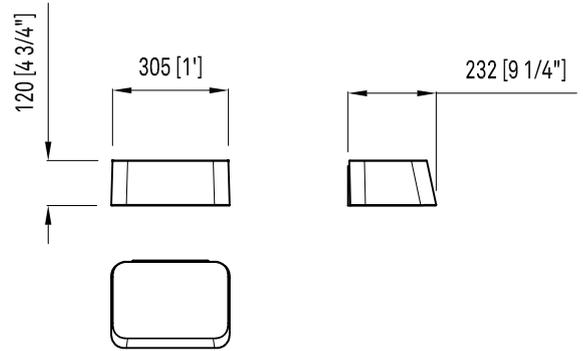
Operations and maintenance

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 IV - V

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DESCRIPTION

Optic

Screen	Lighting distribution	Distribution type	LOR*	ULOR
Prismatic	Type IV	Asymmetric	100%	0%
Opal	Type V	Rotosymmetric	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
PRI	1314	26,0	50	18	450	23,0	57
OPA	1011	26,0	37	18	450	23,0	43

Luminous flux - 4000K

	System*		LED Module				
	lm	W	lm/W	n.LED	mA	W	lm/W
PRI	1408	26,0	50	18	450	23,0	61
OPA	1040	26,0	40	18	450	23,0	45

*The energetic values in the table are referred to the LED + Power supply.

- LED type: Nichia DMC
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 80.000h L80B10 (Tq = 25°C)
- Colour Rendering Index (Ra): ≥ 80

Driver

Driver functions

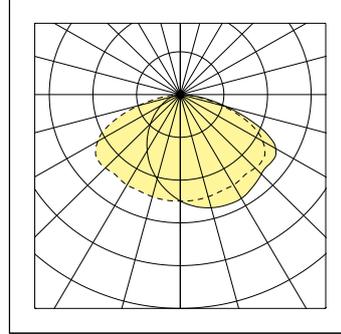
1-10V + NCL (Analogic control + Neri Constant Lumen)

- 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 6kV/6kV (CL I, CL II).

POLAR DIAGRAMS

Type IV

Luminous intensity class G*6



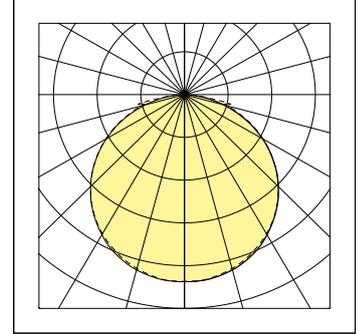
CIE flux code

N.1	N.2	N.3	N.4	N.5
38	72	94	100	100



Type V

Luminous intensity class G*2



CIE flux code

N.1	N.2	N.3	N.4	N.5
46	78	95	100	100

