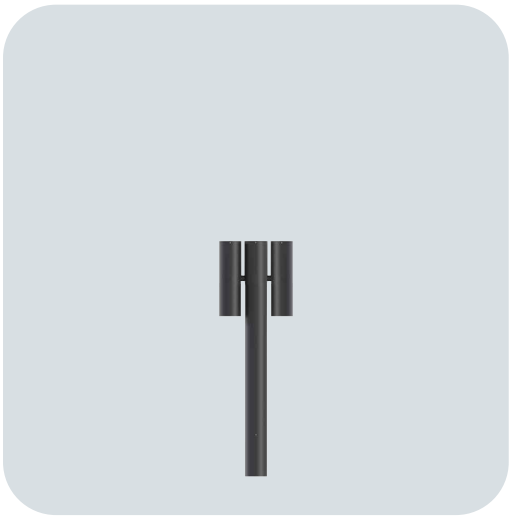
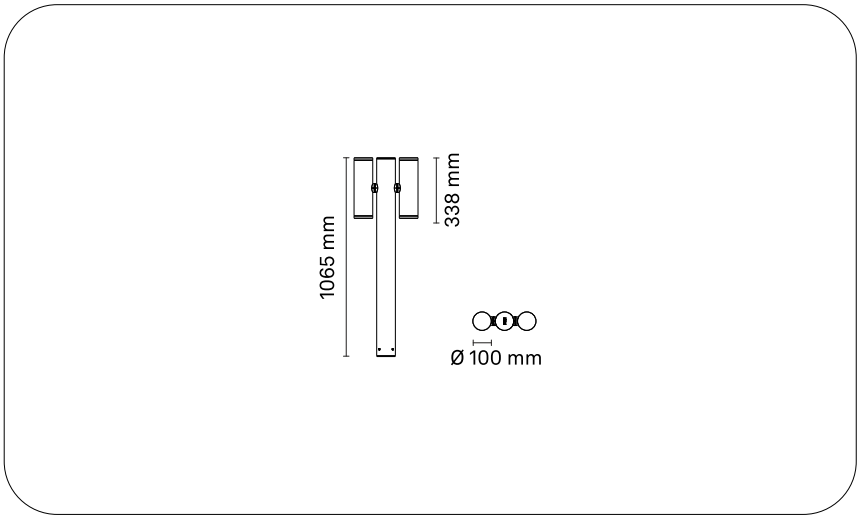
NERI

Project location:	Fixture type: Qty:
Project name:	Notes:

NEBULA BOLLARD | LUMINAIRE | 2 LIGHT SOURCES | H 1000 MM





IP66 IK08 Classe II

ORDERING INFORMATION / GUIDE

Example**: BONEB02-N-D02-827-L020-SP-V1-F06-M2-CN0**

OPTIQUE	RA+K	LUMINOUS FLUX	SCREEN FINISH	POWER SUPPLY	DRIVER FUNCTION	ISO CLASS	FINISH
D02 Type II	**827** Ra80 2700 K	**L020** 2000 lm	**SP** Prismatic	**V1** 220V-240V	**F06** DALI+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D10 Type IV	**830** Ra80 3000 K	**L030** 3000 lm			**F14** NVL6H+CLO		
D65 Type VR	**840** Ra80 4000 K						

Generated code: **BONEB02 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

ON REQUEST
Non-standard variants and configurations available upon request. Please contact Neri for further information.

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NEBULA BOLLARD | LUMINAIRE | 2 LIGHT SOURCES | H 1000 MM

SOURCE
COB LED.

Energy-efficiency class: C
LED forward current: 219-347 mA
Power rating: 7.1-11.4 W
Nominal Flux: 2000-3000 lm
Nominal CCT (Colour temperature): 2700 K, 3000 K, 4000 K
Color Rendering Index (Ra): 80
Standard Deviation Colour Matching: ≤3
Rated lifetime: L90B10 100000 h @ Tq = 25 °C

LIGHTING CHARACTERISTICS
Single silicone lens.

Optique: Type II, Type IV, Type VR
Optical efficiency: LOR = 100% ULOR = 2-4%
LED quantity: 2
Cutoff Angle: Cutoff C = 0, 90° γ = 26, 59°
Luminous flux: 2000-3000 lm
Luminous efficacy: 99-104 lm/W
Maximum luminous intensity γ 90°: ≤68.15 cd/klm
Luminous intensity class: G*1, G*U
IPEA: Road A++ / A3+, Urban A++ / A3+, Ped A++ / A+, Park A++ / A+, Art A4+ / A6+
BUG: B=1, U=2-3, G=1
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS
Luminaire power: 19.8-29.7 W
Power supply: 220V-240V~ 50/60Hz
Power factor: ≥0.99
Insulation class: Class II
Control type - driver: DALI+CLO, NVL6H+CLO
Safe Flicker: PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Ambient temperature: -35 °C / +50 °C
Driver included: Yes
Cable type: H07RN-F 2X1.5mm², H07RN-F 4X1.5mm²
Cable length: 1.5 m
Surge protection: 10kV CM - 6kV DM

MECHANICAL CHARACTERISTICS
Extruded aluminum and aluminum sheet structure with integrated die-cast aluminum heat sink.
Protective screen in extra-clear tempered flat glass, available in transparent or prismatized finishes.
Fixing via adjustable joint with stepped tilt adjustment (0° / ±30° / ±45°) or continuous adjustment within ±45°, locked by two stainless steel M6 grub screws.
Exposed screws in stainless steel or with a burnished finish to ensure high corrosion resistance.

Height: 1065 mm
Section: Base/Top 100/100 mm
Weight: 12.9 kg
Wind-exposed area: 0.08 m²
Protection degree: IP66
Mechanical resistance: IK08
Finish: Grey [Neri] Textured

INSTALLATION
Fixing via two stainless steel M6 grub screws.
Possibility of free adjustment (±45°) without intermediate steps.
Joint with tilt adjustment (0°/ ±30°/ ±45° steps).
Flange Ø 230 mm (5 mm thick), secured to a foundation plinth with three anchor bolts.
Installation with the flange concealed, positioned 100 mm below the finished paving level, is recommended.
Joint with tilt adjustment (0° / ±30° / ±45° increments).
Continuous tilt adjustment (±45°), without preset increments, is also possible.
Secured with two stainless steel set screws.

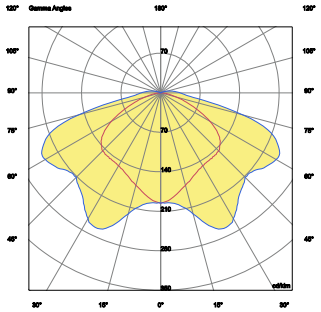
WARNINGS
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

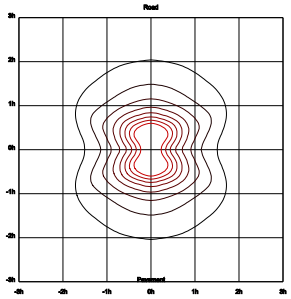
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NEBULA BOLLARD | LUMINAIRE | 2 LIGHT SOURCES | H 1000 MM

Optic: Type II

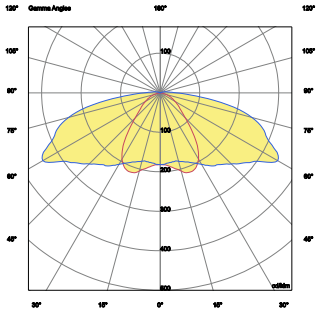
Screen finish: Prismatic

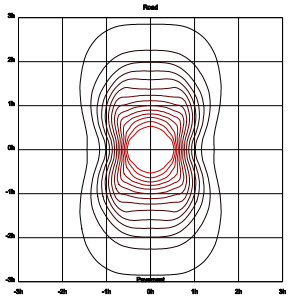




Optic: Type IV

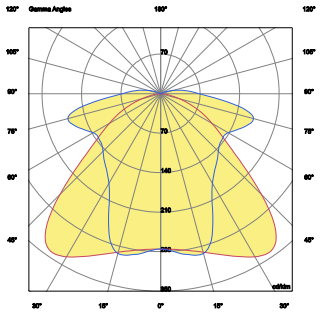
Screen finish: Prismatic

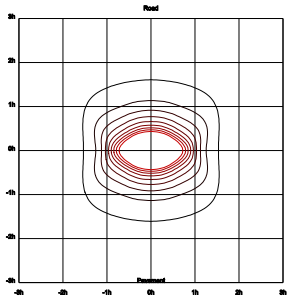




Optic: Type VR

Screen finish: Prismatic





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NEBULA BOLLARD | LUMINAIRE | 2 LIGHT SOURCES | H 1000 MM

Optic: Type II

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2000 lm	2700 K	10.2	99	2	226	7.3	274	A++	A++	A+	A+	A5+
2000 lm	3000 K	10	100	2	221	7.2	278	A++	A++	A++	A++	A5+
2000 lm	4000 K	9.9	101	2	219	7.1	282	A++	A3+	A++	A++	A5+
3000 lm	2700 K	14.9	101	2	347	11.4	263	A++	A3+	A++	A++	A5+
3000 lm	3000 K	14.7	102	2	339	11.2	268	A++	A3+	A++	A++	A5+
3000 lm	4000 K	14.4	104	2	335	11	273	A++	A3+	A++	A++	A5+

Optic: Type IV

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2000 lm	2700 K	10.2	99	2	226	7.3	274	A++	A++	A+	A+	A5+
2000 lm	3000 K	10	100	2	221	7.2	278	A++	A3+	A++	A++	A5+
2000 lm	4000 K	9.9	101	2	219	7.1	282	A++	A3+	A++	A++	A5+
3000 lm	2700 K	14.9	101	2	347	11.4	263	A++	A3+	A++	A++	A5+
3000 lm	3000 K	14.7	102	2	339	11.2	268	A++	A3+	A++	A++	A5+
3000 lm	4000 K	14.4	104	2	335	11	273	A3+	A3+	A++	A++	A6+

Optic: Type VR

Screen finish: Prismatic

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
2000 lm	2700 K	10.2	99	2	226	7.3	274	A+	A++	A+	A+	A4+
2000 lm	3000 K	10	100	2	221	7.2	278	A++	A++	A+	A+	A5+
2000 lm	4000 K	9.9	101	2	219	7.1	282	A++	A++	A+	A+	A5+
3000 lm	2700 K	14.9	101	2	347	11.4	263	A++	A++	A+	A+	A5+
3000 lm	3000 K	14.7	102	2	339	11.2	268	A++	A3+	A++	A++	A5+
3000 lm	4000 K	14.4	104	2	335	11	273	A++	A3+	A++	A++	A5+

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