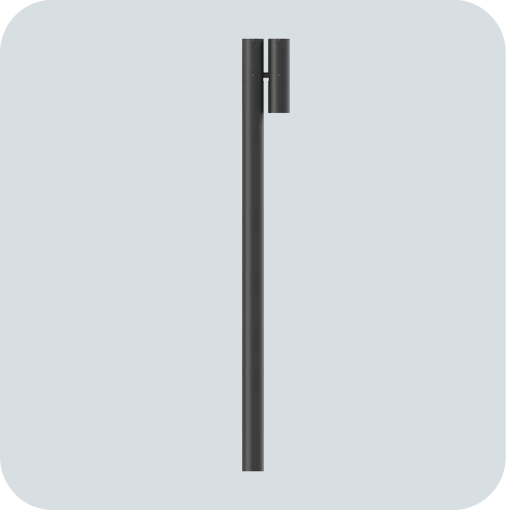
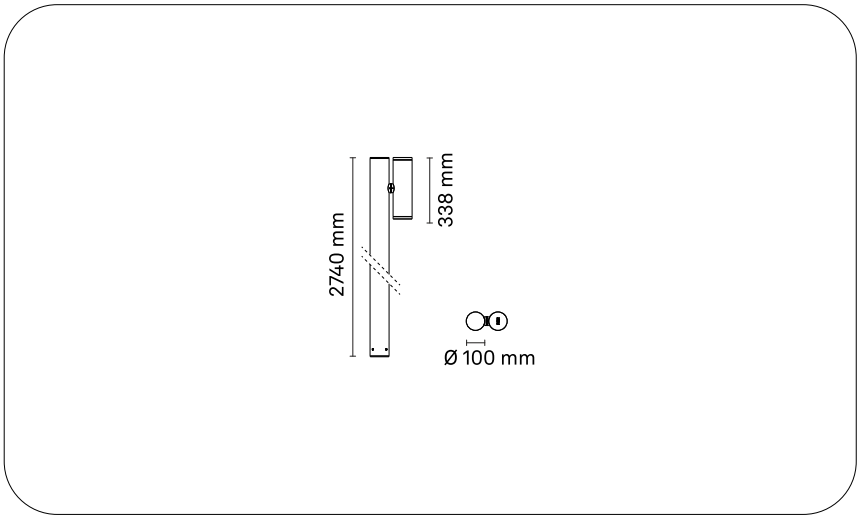
NERI

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

NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 2740 MM





IP66 IK08 Classe II

ORDERING INFORMATION / GUIDE

Example**: BONEB03-N-D02-827-L010-SP-V1-F06-M2-CN0**

OPTIQUE	RA+K	LUMINOUS FLUX	SCREEN FINISH	POWER SUPPLY	DRIVER FUNCTION	ISO CLASS	FINISH
D67 Wide Flood	**827** Ra80 2700 K	**L010** 1000 lm	**ST** Transparent	**V1** 220V-240V	**F06** DALI+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D68 Very Wide Flood	**830** Ra80 3000 K	**L015** 1500 lm	**SP** Prismatic		**F14** NVL6H+CLO		
D66 Flood	**840** Ra80 4000 K	**L025** 2500 lm					
D02 Type II							
D10 Type IV							
D65 Type VR							

Generated code: **BONEB03 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

CONFIGURATION NOTES
The product features shown in this datasheet cannot always be freely combined.
To verify the configurations actually available and define the corresponding product code, please use the configurator available on our website.

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

Property of Neri S.p.A. - Reproduction and use for unauthorized purposes is prohibited.
Neri reserves the right to make changes to its products and documentation without prior notice.

NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 2740 MM

SOURCE
COB LED.

Energy-efficiency class: C
LED forward current: 219-616 mA
Power rating: 7.1-20.9 W
Nominal Flux: 1000-2500 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: Wide Flood, Very Wide Flood, Flood, Type II, Type IV, Type VR
Optical efficiency: LOR = 100% ULOR = 0%
LED quantity: 1
Cutoff Angle: Cutoff C = 0, 55° γ = 0, 47°
Luminous flux: 1000-2500 lm
Luminous efficacy: 99-109 lm/W
Maximum luminous intensity γ 90°: ≤1.34 cd/klm
Luminous intensity class: G*5, G*6
IPEA: Road A++ / A3+, Urban A3+ / A4+, Ped A++ / A3+, Park A++ / A3+, Art A5+ / A7+
BUG: B=1-2, U=0-1, G=0
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS
Luminaire power: 9.9-24.7 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: 3.5 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: 2740 mm
Section: Base/Top 100/100 mm
Weight: 16.3 kg
Wind-exposed area: 0.15 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.

Property of Neri S.p.A. - Reproduction and use for unauthorized purposes is prohibited.
Neri reserves the right to make changes to its products and documentation without prior notice.

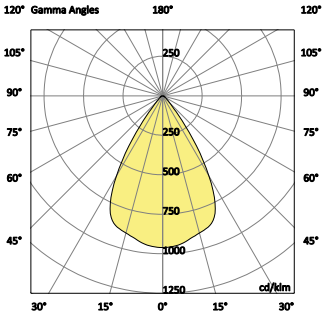
NERI

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

NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 2740 MM

Optic: Wide Flood

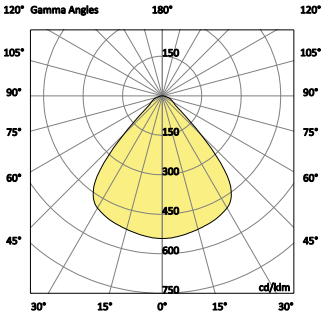
Screen finish: Transparent



H [m]	D [m]	Emax [lx]
	64	
1	1.25	960
2	2.5	240
3	3.75	107
4	5	60
5	6.25	38

Optic: Very Wide Flood

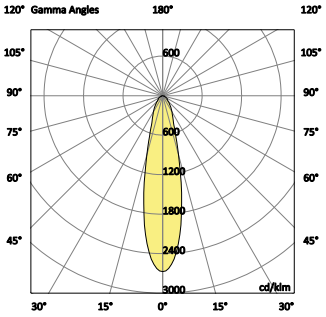
Screen finish: Transparent



H [m]	D [m]	Emax [lx]
	86	
1	1.87	542
2	3.73	136
3	5.6	60
4	7.46	34
5	9.33	22

Optic: Flood

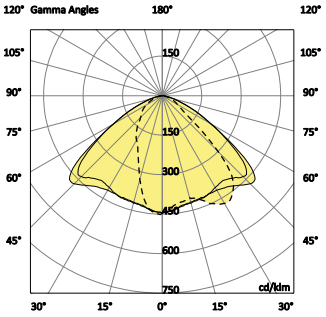
Screen finish: Transparent

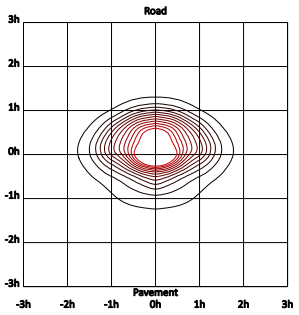


H [m]	D [m]	Emax [lx]
	24	
1	0.43	2672
2	0.85	668
3	1.28	297
4	1.7	167
5	2.13	107

Optic: Type II

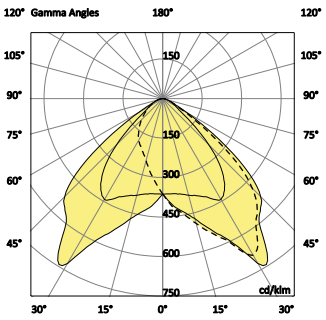
Screen finish: Prismatic

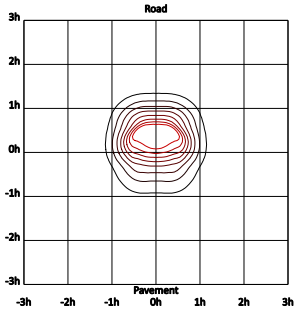




Optic: Type IV

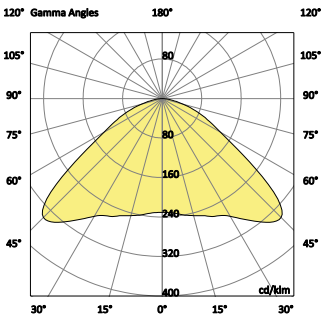
Screen finish: Prismatic

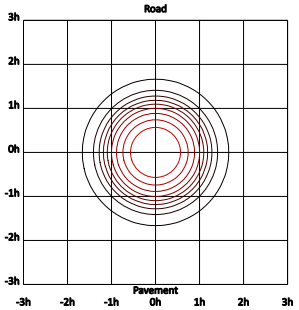




Optic: Type VR

Screen finish: Prismatic





Property of Neri S.p.A. - Reproduction and use for unauthorized purposes is prohibited.
Neri reserves the right to make changes to its products and documentation without prior notice.

NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 2740 MM

Optic: Wide Flood

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
1500 lm	2700 K	14.2	106	1	327	10.8	139	A3+	A4+	A3+	A3+	A6+
1500 lm	3000 K	13.9	108	1	320	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	4000 K	13.8	109	1	316	10.4	144	A3+	A4+	A3+	A3+	A7+
2500 lm	2700 K	24.7	101	1	616	20.9	120	A++	A3+	A++	A++	A5+
2500 lm	3000 K	24.1	104	1	599	20.3	123	A3+	A3+	A++	A++	A6+
2500 lm	4000 K	23.8	105	1	591	20	125	A3+	A4+	A3+	A3+	A6+

Optic: Very Wide Flood

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
1500 lm	2700 K	14.2	106	1	327	10.8	139	A3+	A4+	A3+	A3+	A6+
1500 lm	3000 K	13.9	108	1	320	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	4000 K	13.8	109	1	316	10.4	144	A3+	A4+	A3+	A3+	A7+
2500 lm	2700 K	24.7	101	1	616	20.9	120	A++	A3+	A++	A++	A5+
2500 lm	3000 K	24.1	104	1	599	20.3	123	A3+	A3+	A++	A++	A6+
2500 lm	4000 K	23.8	105	1	591	20	125	A3+	A4+	A3+	A3+	A6+

Optic: Flood

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
1500 lm	2700 K	14.2	106	1	327	10.8	139	A3+	A4+	A3+	A3+	A6+
1500 lm	3000 K	13.9	108	1	320	10.5	143	A3+	A4+	A3+	A3+	A6+
1500 lm	4000 K	13.8	109	1	316	10.4	144	A3+	A4+	A3+	A3+	A7+
2500 lm	2700 K	24.7	101	1	616	20.9	120	A++	A3+	A++	A++	A5+
2500 lm	3000 K	24.1	104	1	599	20.3	123	A3+	A3+	A++	A++	A6+
2500 lm	4000 K	23.8	105	1	591	20	125	A3+	A4+	A3+	A3+	A6+

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**
1000 lm	2700 K	10.1	99	1	226	7.3	137	A++	A3+	A++	A++	A5+
1000 lm	3000 K	10	100	1	221	7.2	139	A++	A3+	A++	A++	A5+
1000 lm	4000 K	9.9	101	1	219	7.1	141	A++	A3+	A++	A++	A5+
1500 lm	2700 K	14.9	101	1	347	11.4	132	A++	A3+	A++	A++	A5+
1500 lm	3000 K	14.6	103	1	339	11.2	134	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	14.4	104	1	335	11	136	A3+	A3+	A++	A++	A6+

Property of Neri S.p.A. - Reproduction and use for unauthorized purposes is prohibited.
Neri reserves the right to make changes to its products and documentation without prior notice.

NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 2740 MM

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**
1000 lm	2700 K	10.1	99	1	226	7.3	137	A++	A3+	A++	A++	A5+
1000 lm	3000 K	10	100	1	221	7.2	139	A++	A3+	A++	A++	A5+
1000 lm	4000 K	9.9	101	1	219	7.1	141	A++	A3+	A++	A++	A5+
1500 lm	2700 K	14.9	101	1	347	11.4	132	A++	A3+	A++	A++	A5+
1500 lm	3000 K	14.6	103	1	339	11.2	134	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	14.4	104	1	335	11	136	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**
1000 lm	2700 K	10.1	99	1	226	7.3	137	A++	A3+	A++	A++	A5+
1000 lm	3000 K	10	100	1	221	7.2	139	A++	A3+	A++	A++	A5+
1000 lm	4000 K	9.9	101	1	219	7.1	141	A++	A3+	A++	A++	A5+
1500 lm	2700 K	14.9	101	1	347	11.4	132	A++	A3+	A++	A++	A5+
1500 lm	3000 K	14.6	103	1	339	11.2	134	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	14.4	104	1	335	11	136	A3+	A3+	A++	A++	A6+

Property of Neri S.p.A. - Reproduction and use for unauthorized purposes is prohibited.
Neri reserves the right to make changes to its products and documentation without prior notice.