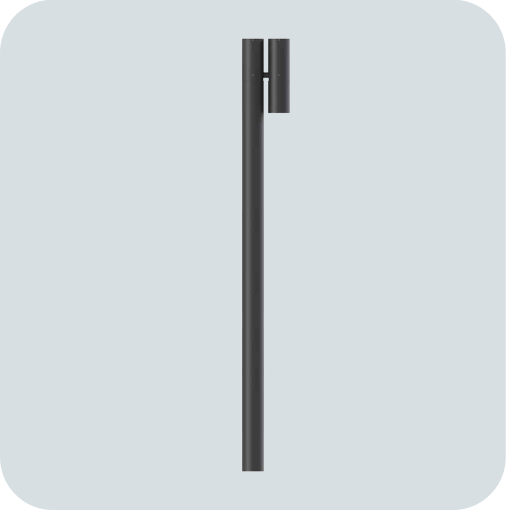
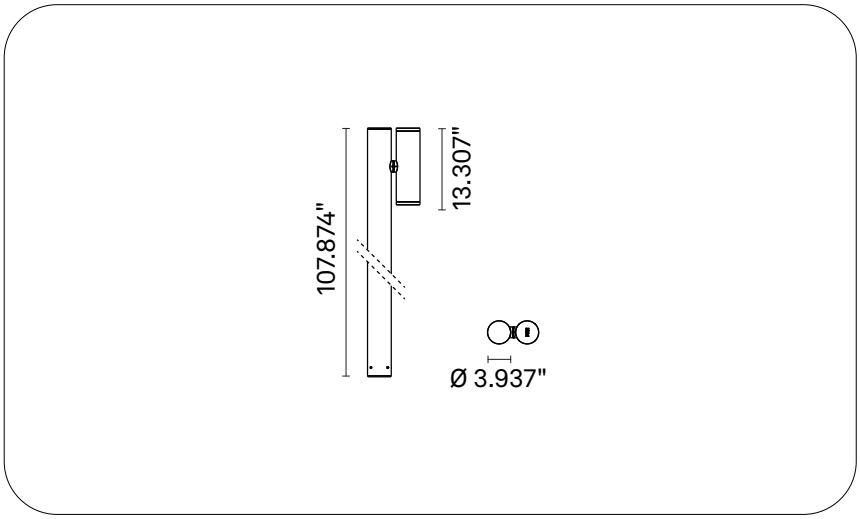
NERI

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

NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 108”





IP66 IK08 cULus

ORDERING INFORMATION / GUIDE

Example**: BONEB03-U-D02-827-L010-SP-V0-F35-MU-CN0**

OPTICS	RA+K	LUMINOUS FLUX	LENS	VOLTAGE	DRIVER FUNCTION	ISO CLASS	FINISH
D67 Wide Flood	**827** Ra80 2700 K	**L006** 600 lm	**ST** Transparent	**V0** 120V-277V	**F35** 0-10V+CLO	**MU** UL	**CN0** Grey [Neri] Textured
D68 Very Wide Flood	**830** Ra80 3000 K	**L010** 1000 lm	**SP** Prismatic				
D66 Flood	**840** Ra80 4000 K	**L015** 1500 lm					
D02 T2	**XAM** Amber	**L025** 2500 lm					
D22 T3 narrow							
D10 T4							
D30 T5 square medium							
D65 T5 round							

Generated code: **BONEB03 - U** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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.

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NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 108”

SOURCE
COB LED.

Energy-efficiency class: C
LED forward current: 219-700 mA
Power rating: 7.1-20.9 W
Nominal Flux: 550-2500 lm
Nominal CCT (Color temperature): 2700 K, 3000 K, 4000 K, Amber
Color Rendering Index (Ra): 80
Standard Deviation Colour Matching: ≤3
Rated lifetime: L90 = 100000 h (Ts = 105 °C, 945 mA), L80 = 60000 h (Ts = 105 °C, 700 mA)

LIGHTING CHARACTERISTICS
Single silicone lens.

Optics: Wide Flood, Very Wide Flood, Flood, T2, T3 narrow, T4, T5 square medium, T5 round
Optical efficiency: LOR = 100% ULOR = 0%
LED quantity: 1
Cutoff Angle: Cutoff, Semi Cutoff C = 0, 55° γ = 0, 48°
Luminous flux: 550-2500 lm
Luminous efficacy: 25-117 lm/W
BUG: B=0-2, U=0-1, G=0
Photobiological safety: RG0 - Exempt risk, RG1 - Low risk

ELECTRICAL CHARACTERISTICS
Luminaire power: 9-24 W
Voltage: 120V-277V~ 50/60Hz
Power factor: ≥0.99
Insulation class: UL
Control type - driver: 0-10V+CLO
Ambient temperature: -31 °F / +122 °F
Driver included: Yes
Cable type: 5GAWG18 SJTW
Cable length: 11.483 ft
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: 107.874 in
Section: Base/Top 3.937/3.937 in
Weight: 35.94 lb
EPA: 1.61 ft²
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 9.055” (0.197” thick), secured to a foundation plinth with three anchor bolts.
Installation with the flange concealed, positioned 3.937” 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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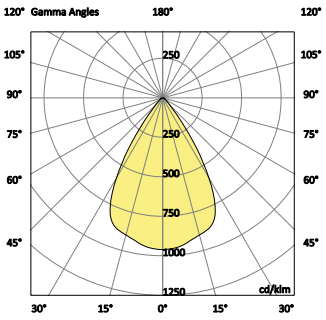
NERI

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

NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 108”

Optic: Wide Flood

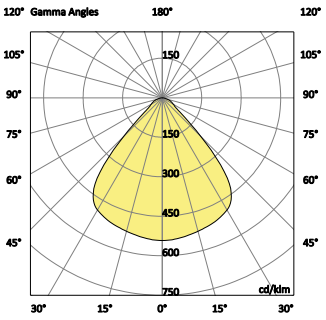
Lens: Transparent



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

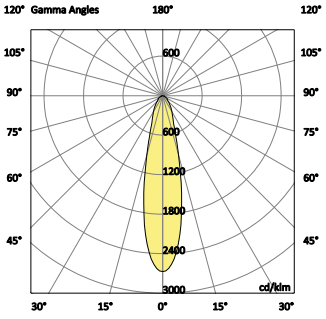
Lens: Transparent



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

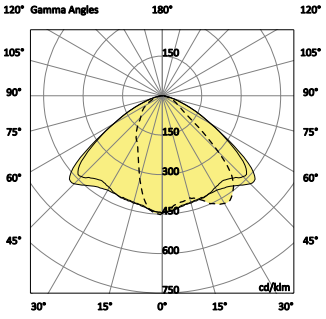
Lens: Transparent

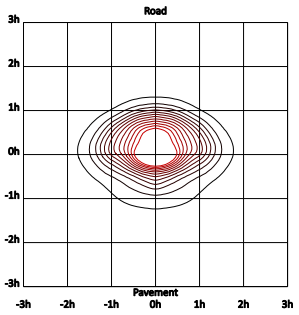


H [m]	D [m]	Emax [lx]
	24	
1	0.43	2672
2	0.85	668
3	1.28	297
4	1.7	167
5	2.13	107

Optic: T2

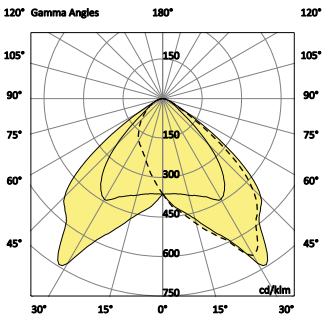
Lens: Prismatic

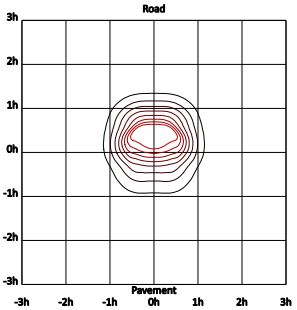




Optic: T4

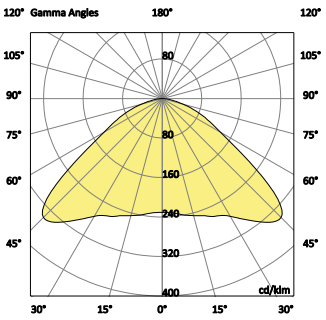
Lens: Prismatic

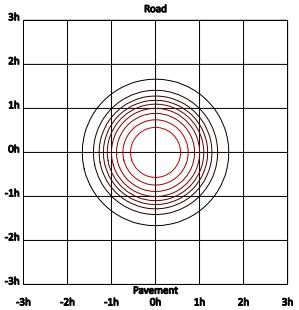




Optic: T5 round

Lens: Prismatic





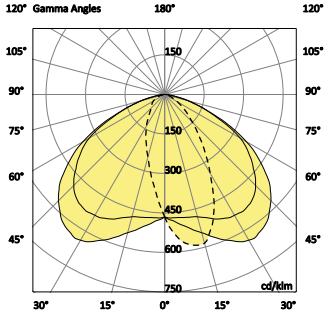
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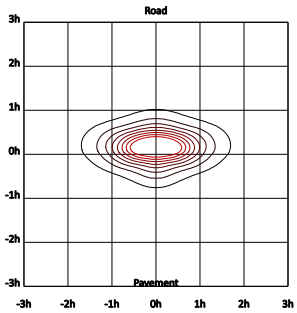
NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 108”

Amber

Optic: T3 narrow

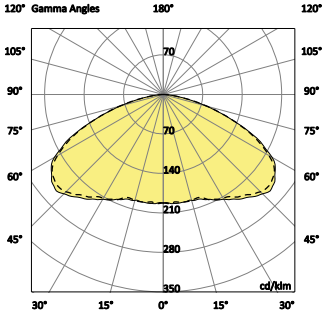
Lens: Prismatic

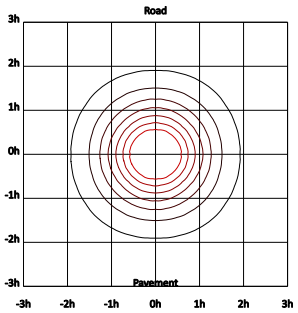




Optic: T5 square medium

Lens: Prismatic





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NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 108”

Optic: Wide Flood

Lens: Transparent

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2700 K	13.2	114	1	327	10.8	139	2	0	0
1500 lm	3000 K	12.9	116	1	320	10.5	143	2	0	0
1500 lm	4000 K	12.8	117	1	316	10.4	144	2	0	0
2500 lm	2700 K	24	104	1	616	20.9	120	2	0	0
2500 lm	3000 K	23.4	107	1	599	20.3	123	2	0	0
2500 lm	4000 K	23.1	108	1	591	20	125	2	0	0

Optic: Very Wide Flood

Lens: Transparent

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2700 K	13.2	114	1	327	10.8	139	1	0	0
1500 lm	3000 K	12.9	116	1	320	10.5	143	1	0	0
1500 lm	4000 K	12.8	117	1	316	10.4	144	1	0	0
2500 lm	2700 K	24	104	1	616	20.9	120	2	0	0
2500 lm	3000 K	23.4	107	1	599	20.3	123	2	0	0
2500 lm	4000 K	23.1	108	1	591	20	125	2	0	0

Optic: Flood

Lens: Transparent

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1500 lm	2700 K	13.2	114	1	327	10.8	139	1	0	0
1500 lm	3000 K	12.9	116	1	320	10.5	143	1	0	0
1500 lm	4000 K	12.8	117	1	316	10.4	144	1	0	0
2500 lm	2700 K	24	104	1	616	20.9	120	2	0	0
2500 lm	3000 K	23.4	107	1	599	20.3	123	2	0	0
2500 lm	4000 K	23.1	108	1	591	20	125	2	0	0

Optic: T2

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1000 lm	2700 K	9.2	109	1	226	7.3	137	1	0	0
1000 lm	3000 K	9.1	110	1	221	7.2	139	1	0	0
1000 lm	4000 K	9	111	1	219	7.1	141	1	0	0
1500 lm	2700 K	13.9	108	1	347	11.4	132	1	0	0
1500 lm	3000 K	13.7	109	1	339	11.2	134	1	0	0
1500 lm	4000 K	13.4	112	1	335	11	136	1	0	0

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NEBULA BOLLARD | LUMINAIRE | 1 LIGHT SOURCE | H 108”

Optic: T3 narrow

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
550 lm	Amber	22.3	25	1	700	19.3	28	0	0	0

Optic: T4

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1000 lm	2700 K	9.2	109	1	226	7.3	137	1	0	0
1000 lm	3000 K	9.1	110	1	221	7.2	139	1	0	0
1000 lm	4000 K	9	111	1	219	7.1	141	1	0	0
1500 lm	2700 K	13.9	108	1	347	11.4	132	1	0	0
1500 lm	3000 K	13.7	109	1	339	11.2	134	1	0	0
1500 lm	4000 K	13.4	112	1	335	11	136	1	0	0

Optic: T5 square medium

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
550 lm	Amber	22.3	25	1	700	19.3	28	0	0	0

Optic: T5 round

Lens: Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1000 lm	2700 K	9.2	109	1	226	7.3	137	1	1	0
1000 lm	3000 K	9.1	110	1	221	7.2	139	1	1	0
1000 lm	4000 K	9	111	1	219	7.1	141	1	1	0
1500 lm	2700 K	13.9	108	1	347	11.4	132	1	1	0
1500 lm	3000 K	13.7	109	1	339	11.2	134	1	1	0
1500 lm	4000 K	13.4	112	1	335	11	136	1	1	0

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