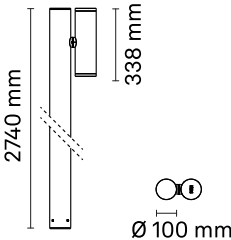


Nebula Bollard | Luminaire | 1 light source | H 2740 mm



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.

Nebula Bollard | Luminaire | 1 light source | H 2740 mm

SOURCE

COB LED.	C
Energy-efficiency class	219-616 mA
LED forward current	7.1-20.9 W
Power rating	1000-2500 lm
Nominal Flux	2700 K, 3000 K, 4000 K
Nominal CCT (Colour temperature)	80
Color Rendering Index (Ra)	≤3
Standard Deviation Colour Matching	L90B10 100000 h @ Tq = 25 °C
Rated lifetime	

LIGHTING CHARACTERISTICS

Single silicone lens.	
Optique	Wide Flood, Very Wide Flood, Flood, Type II, Type IV, Type VR
	LOR = 100% ULOR = 0%
Optical efficiency	1
LED quantity	Cutoff C = 0, 55° γ = 0, 47°
Cutoff Angle	1000-2500 lm
Luminous flux	99-109 lm/W
Luminous efficacy	≤1.34 cd/klm
Maximum luminous intensity γ 90°	G*5, G*6
Luminous intensity class	Road A++ / A3+, Urban A3+ / A4+, Ped A++ / A3+, Park A++ / A3+, Art A5+ / A7+
IPEA	B=1-2, U=0-1, G=0
BUG	RG1 - Low risk
Photobiological safety	

ELECTRICAL CHARACTERISTICS

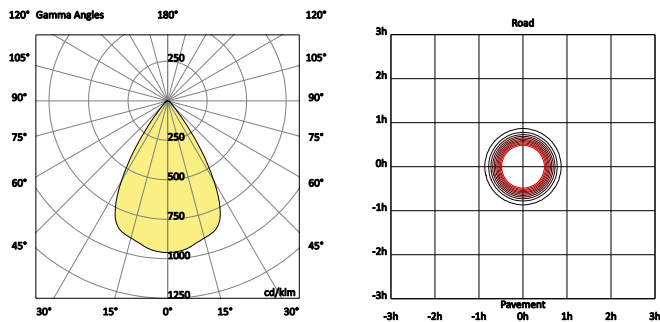
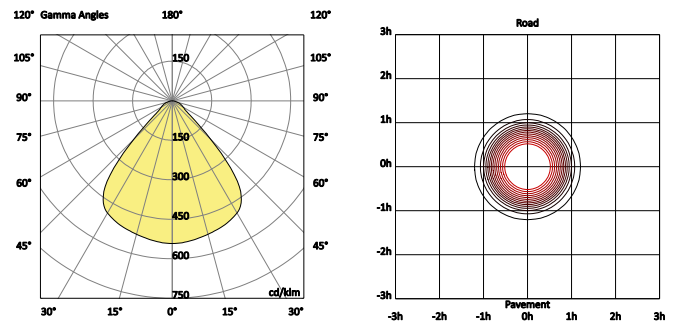
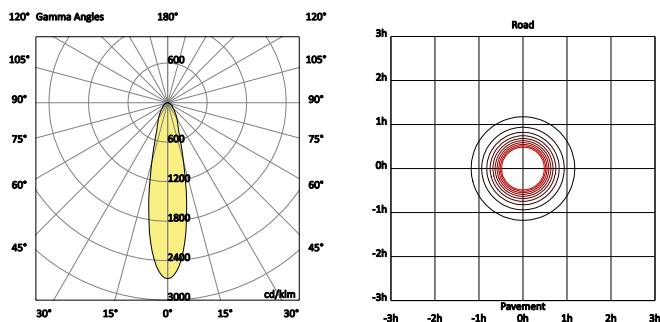
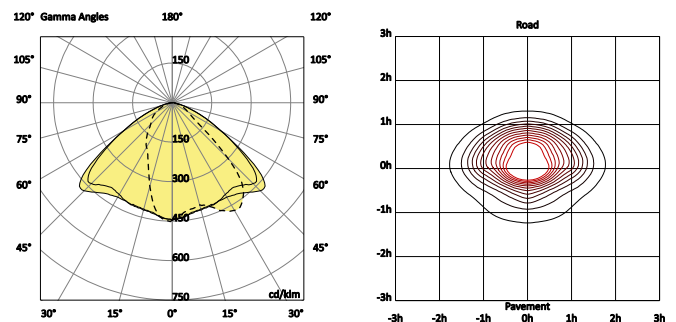
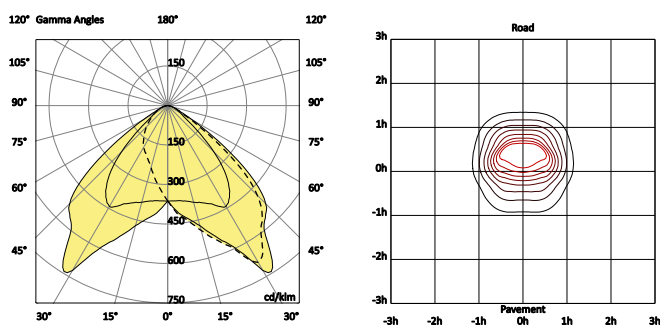
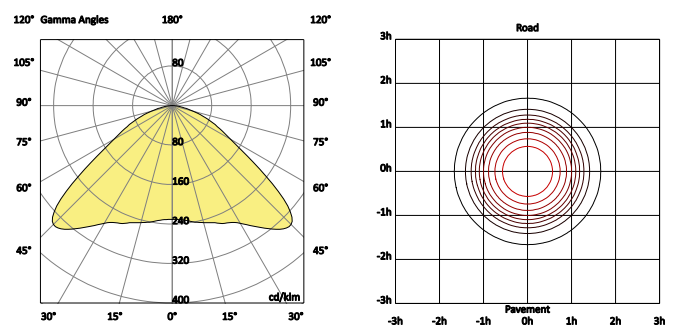
Luminaire power	9.9-24.7 W
Power supply	220V-240V~ 50/60Hz
Power factor	≥0.99
Insulation class	Class II
Control type - driver	DALI+CLO, NVL6H+CLO
Safe Flicker	PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Ambient temperature	-35 °C / +50 °C
Driver included	Yes
Cable type	H07RN-F 2X1.5mm², H07RN-F 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 prismatic 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).
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.

Nebula Bollard | Luminaire | 1 light source | H 2740 mm**Optic: Wide Flood****Screen finish: Transparent****Optic: Very Wide Flood****Screen finish: Transparent****Optic: Flood****Screen finish: Transparent****Optic: Type II****Screen finish: Prismatic****Optic: Type IV****Screen finish: Prismatic****Optic: Type VR****Screen finish: Prismatic**

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+

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+