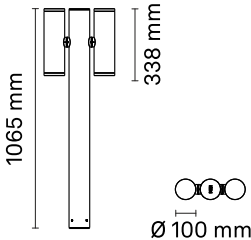


Nebula Bollard | Luminaire | 2 light sources | H 1000 mm



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** - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _

Nebula Bollard | Luminaire | 2 light sources | H 1000 mm

SOURCE

COB LED.	C
Energy-efficiency class	219-347 mA
LED forward current	7.1-11.4 W
Power rating	2000-3000 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	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 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	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).

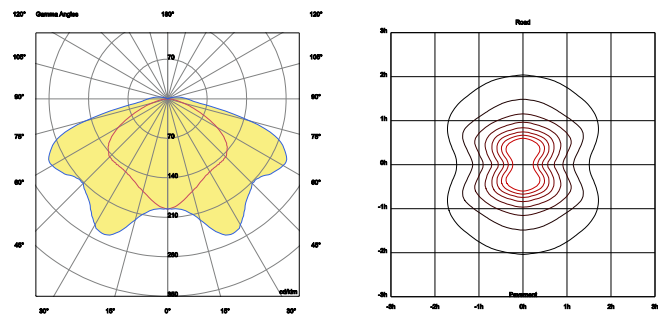
WARNINGS

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 | 2 light sources | H 1000 mm

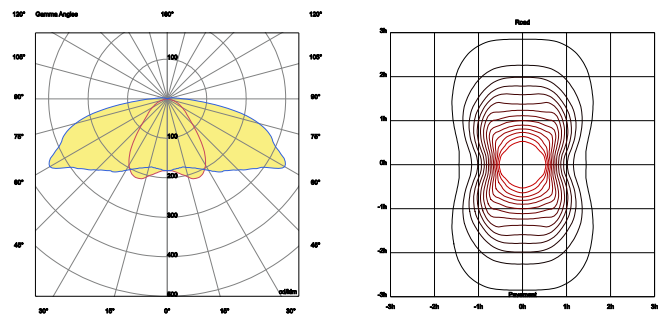
Optic: Type II

Screen finish: Prismatic



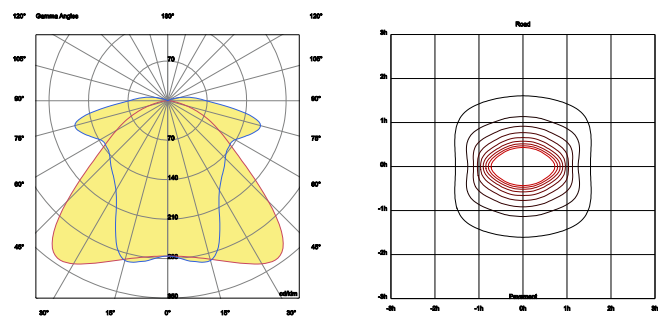
Optic: Type IV

Screen finish: Prismatic



Optic: Type VR

Screen finish: Prismatic



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+