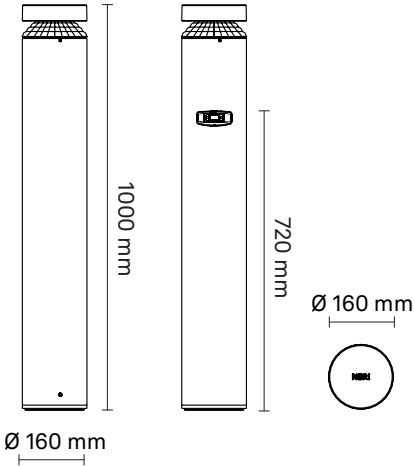


Polis Bollard | Luminaire | CARVE | H 1000 mm



IP66 IK10

Classe II

Ordering Information / Guide

Example: **BOPOL05-N-D54-927-L003-ST-V1-F27-M2-CN0**

Optique	Ra+K	Luminous flux	Screen finish	Power supply	Driver Function	ISO Class	Finish
D54 90°	927 Ra90 2700 K	L003 300 lm	ST Transparent	V1 220V-240V	F27 ON/OFF+CLO	M2 Class II	CN0 Grey [Neri] Textured
D53 180°	930 Ra90 3000 K	L006 600 lm			F46 DALI+PIR		
D52 360°	940 Ra90 4000 K	L014 1400 lm			F06 DALI+CLO F44 D4i+CASAMBI		

Generated code: **BOPOL05 - 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.

Polis Bollard | Luminaire | CARVE | H 1000 mm

SOURCE

Medium-power LED matrix.	
Energy-efficiency class	C, D
LED forward current	292-676 mA
Power rating	5.4-19.1 W
Nominal Flux	300-1350 lm
Nominal CCT (Colour temperature)	2700 K, 3000 K, 4000 K
Color Rendering Index (Ra)	90
Standard Deviation Colour Matching	≤5
Rated lifetime	L80B50 100000 h @ Tq = 25 °C

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.	
Optique	90°, 180°, 360°
Optical efficiency	LOR = 100% ULOR = 1%
LED quantity	12, 24, 48
Cutoff Angle	Non Cutoff, Semi Cutoff C = 0° γ = 53, 54°
Luminous flux	300-1350 lm
Luminous efficacy	37-69 lm/W
Maximum luminous intensity γ 90°	≤11.28 cd/klm
Luminous intensity class	G*2, G*3
IPEA	Road F / C, Urban F / C, Ped F / C, Park F / C, Art E / A
BUG	B=0-1, U=1, G=0-1
Photobiological safety	RG1 - Low risk

ELECTRICAL CHARACTERISTICS

ENEC safety mark.	
Luminaire power	7.1-22 W
Power supply	220V-240V~ 50/60Hz
Power factor	≥0.99
Insulation class	Class II
Control type - driver	ON/OFF+CLO, DALI+PIR, DALI+CLO, D4i+CASAMBI PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Safe Flicker	
Ambient temperature	-25 °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

Structure with an extruded aluminium outer frame and an integrated die-cast aluminium heat sink.	
Protective screen in extra-clear tempered transparent anti-reflective glass, exposed stainless steel or blackened screws, and plastic components.	
Body supported by galvanized steel sheet.	
Diameter	160 mm
Height	1000 mm
Weight	10 kg
Wind-exposed area	0.08 m²
Protection degree	IP66
Mechanical resistance	IK10
Finish	Grey [Neri] Textured

INSTALLATION

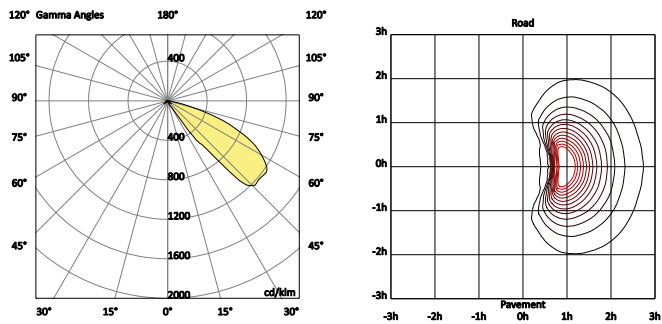
Ground fixing using the appropriate flange.

WARNINGS

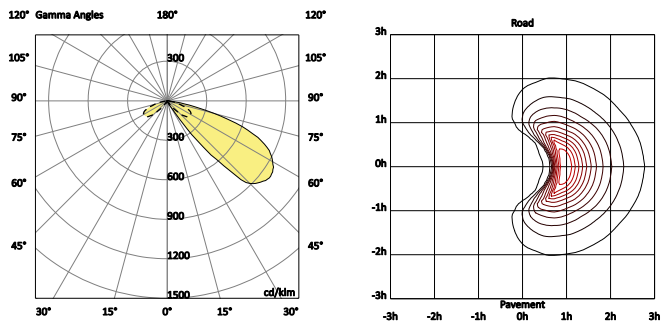
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

Polis Bollard | Luminaire | CARVE | H 1000 mm

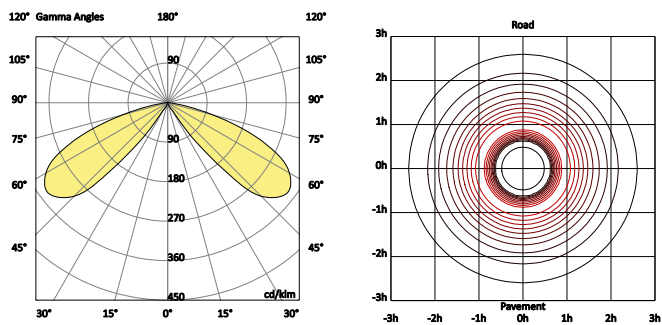
Optic: 90°
Screen finish: Transparent



Optic: 180°
Screen finish: Transparent



Optic: 360°
Screen finish: Transparent



Polis Bollard | Luminaire | CARVE | H 1000 mm

Optic: 90°

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
300 lm	2700 K	8	37	12	324	6.1	49	F	F	F	F	E
300 lm	3000 K	7.5	40	12	306	5.7	53	F	E	F	F	E
300 lm	4000 K	7.1	42	12	292	5.4	56	E	E	E	E	E

Optic: 180°

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
600 lm	2700 K	15.4	39	24	676	12.9	47	F	E	F	F	E
600 lm	3000 K	14.4	42	24	636	12	50	E	E	E	E	E
600 lm	4000 K	13.8	43	24	608	11.4	53	E	E	E	E	D

Optic: 360°

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
1350 lm	2700 K	22	61	48	520	19.1	71	D	C	D	D	B
1350 lm	3000 K	20.7	65	48	492	17.9	75	C	C	C	C	B
1350 lm	4000 K	19.7	69	48	472	17	79	C	C	C	C	A