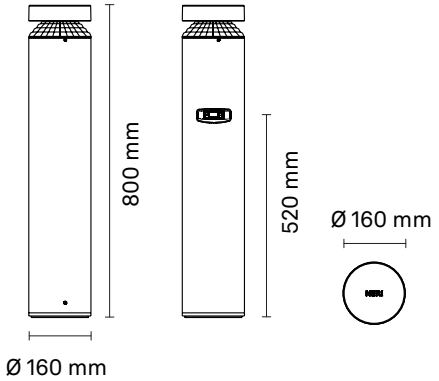
NERI

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

Polis Bollard | Luminaire | CARVE | H 800 mm



Ordering Information / Guide

Example: **BOPOL04-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	**L013** 1300 lm			**F06** DALI+CLO		
					F44 D4i+CASAMBI		

Generated code: **BOPOL04 - 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.

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SOURCE

Medium-power LED matrix.

Energy-efficiency class	C, D
LED forward current	292-676 mA
Power rating	5.4-17.3 W
Nominal Flux	300-1250 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	300-1250 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	7.1-20 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
Safe Flicker	PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Ambient temperature	-25 °C / +50 °C
Driver included	Yes
Cable type	H07RN-F 2X1.5mm², H07RN-F 4X1.5mm²
Cable length	1 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	800 mm
Weight	9 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.

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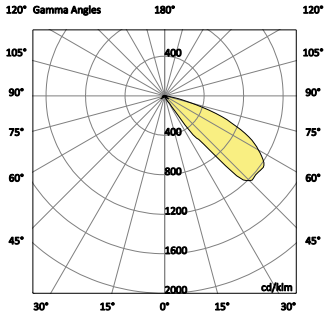
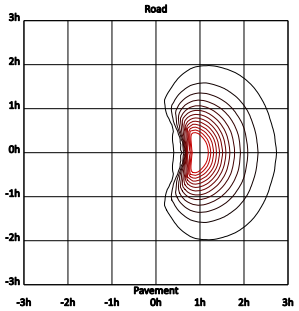
Optic: 90°

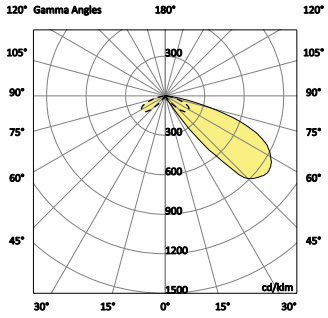
Screen finish: Transparent

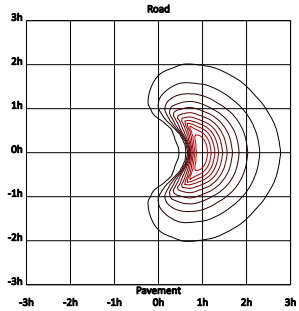




Optic: 180°

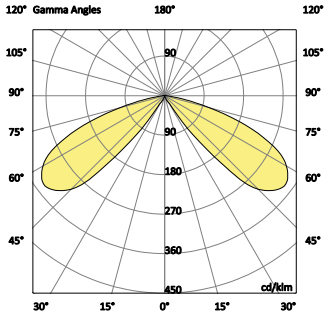
Screen finish: Transparent

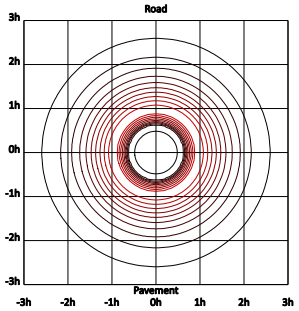




Optic: 360°

Screen finish: Transparent





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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
1250 lm	2700 K	20	63	48	476	17.3	72	D	C	D	D	B
1250 lm	3000 K	18.9	66	48	452	16.2	77	C	C	C	C	B
1250 lm	4000 K	18.1	69	48	432	15.5	81	C	C	C	C	A

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