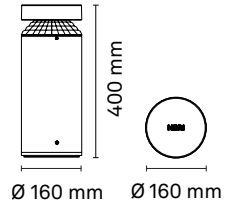
NERI

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

POLIS BOLLARD | LUMINAIRE | CARVE | H 400 MM





IP66 IK10 Classe II

ORDERING INFORMATION / GUIDE

Example: **BOPOL03-N-D54-927-L002-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	**L002** 200 lm	**ST** Transparent	**V1** 220V-240V	**F27** ON/OFF+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D53 180°	**930** Ra90 3000 K	**L005** 500 lm			**F06** DALI+CLO		
D52 360°	**940** Ra90 4000 K	**L009** 900 lm			**F44** D4i+CASAMBI		

Generated code: **BOPOL03 - 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.

ON REQUEST
Non-standard variants and configurations available upon request. Please contact Neri for further information.

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POLIS BOLLARD | LUMINAIRE | CARVE | H 400 MM

SOURCE

Medium-power LED matrix.

Energy-efficiency class: C, D
LED forward current: 182-480 mA
Power rating: 3.2-11.6 W
Nominal Flux: 200-900 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: 200-900 lm
Luminous efficacy: 41-70 lm/W
Maximum luminous intensity γ 90°: ≤11.28 cd/klm
Luminous intensity class: G*2, G*3
IPEA: Road E / C, Urban E / C, Ped F / C, Park F / C, Art E / A
BUG: B=0-1, U=1, G=0
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

ENEC safety mark.

Luminaire power: 4.4-14 W
Power supply: 220V-240V~ 50/60Hz
Power factor: ≥0.99
Insulation class: Class II
Control type - driver: ON/OFF+CLO, 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: 400 mm
Weight: 7 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

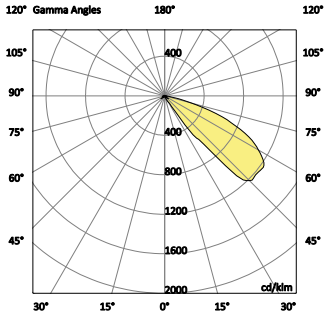
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

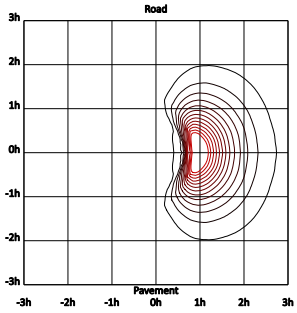
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Optic: 90°

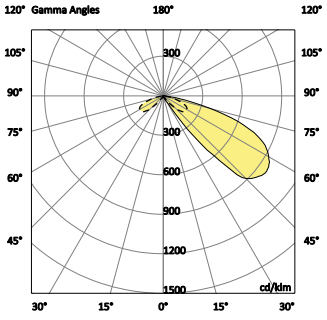
Screen finish: Transparent

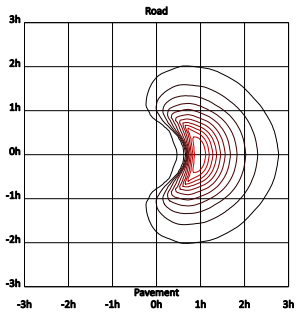




Optic: 180°

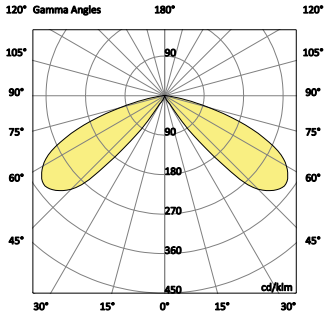
Screen finish: Transparent

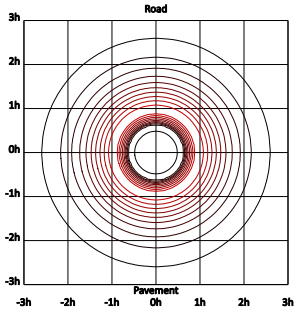




Optic: 360°

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**
200 lm	2700 K	4.9	41	12	202	3.6	56	E	E	F	F	E
200 lm	3000 K	4.7	43	12	190	3.4	59	E	E	E	E	D
200 lm	4000 K	4.4	45	12	182	3.2	63	E	E	E	E	D

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**
450 lm	2700 K	10.9	41	24	480	8.7	52	E	E	F	F	E
450 lm	3000 K	10.3	44	24	452	8.2	55	E	E	E	E	D
450 lm	4000 K	9.9	45	24	432	7.8	58	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**
900 lm	2700 K	14	64	48	332	11.6	78	C	C	D	D	B
900 lm	3000 K	13.3	68	48	312	10.9	83	C	C	C	C	A
900 lm	4000 K	12.8	70	48	300	10.5	86	C	C	C	C	A

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