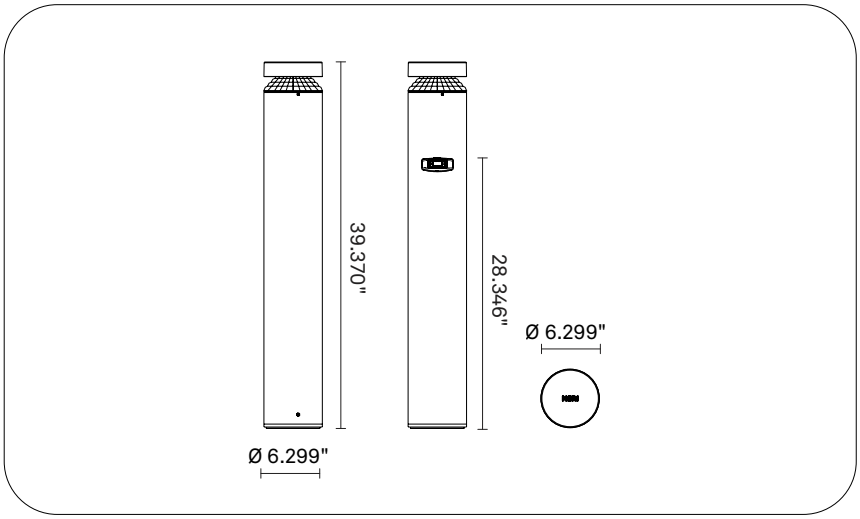
NERI

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

POLIS BOLLARD | LUMINAIRE | CARVE | H 40”





IP66 IK10 cULus

ORDERING INFORMATION / GUIDE

Example**: BOPOL05-U-D54-927-L003-ST-V0-F06-MU-CN0**

OPTICS	RA+K	LUMINOUS FLUX	LENS	VOLTAGE	DRIVER FUNCTION	ISO CLASS	FINISH
D54 90°	**927** Ra90 2700 K	**L003** 300 lm	**ST** Transparent	**V0** 120V-277V	**F35** 0-10V+CLO	**MU** UL	**CN0** Grey [Neri] Textured
D53 180°	**930** Ra90 3000 K	**L004** 400 lm			**F46** DALI+PIR		
D52 360°	**940** Ra90 4000 K	**L006** 600 lm			**F45** DALI+CASAMBI		
	XAM Amber	**L014** 1400 lm			**F06** DALI+CLO		

Generated code: **BOPOL05 - U** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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 40”

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 (Color temperature): 2700 K, 3000 K, 4000 K, Amber
Color Rendering Index (Ra): 90
Standard Deviation Colour Matching: ≤5
Rated lifetime: L80 = 100000 h (Ts = 85 °C, 700 mA)

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optics: 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: 18-67 lm/W
BUG: B=0-1, U=1, G=0-1
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Luminaire power: 7.4-22.6 W
Voltage: 120V-277V~ 50/60Hz
Power factor: ≥0.99
Insulation class: UL
Control type - driver: 0-10V+CLO, DALI+PIR, DALI+CASAMBI, DALI+CLO
Safe Flicker: PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Ambient temperature: -13 °F / +122 °F
Driver included: Yes
Cable type: SJTW 5GAWG18
Cable length: 4.921 ft
Surge protection: 10kV CM - 10kV DM

MECHANICAL CHARACTERISTICS

Structure with an extruded aluminum outer frame and an integrated die-cast aluminum 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: 6.299 in
Height: 39.37 in
Weight: 22.05 lb
EPA: 0.86 ft²
Protection degree: IP66
Mechanical resistance: IK10
Finish: Grey [Neri] Textured

INSTALLATION

Ground fixing using the appropriate flange.

WARNINGS

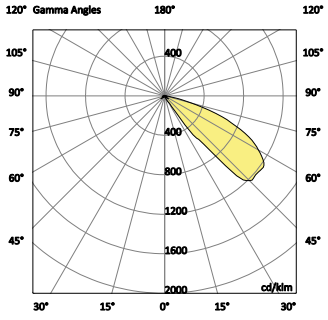
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

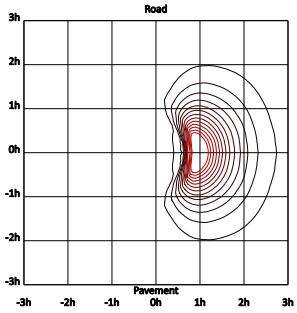
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Optic: 90°

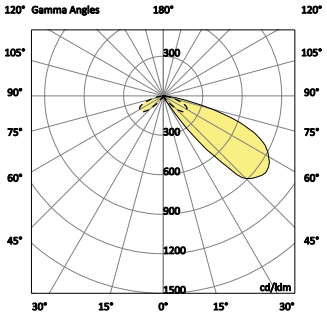
Lens: Transparent

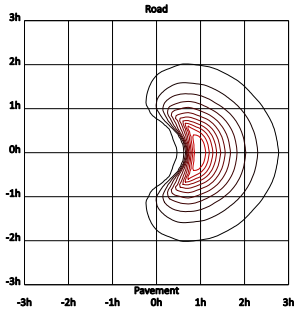




Optic: 180°

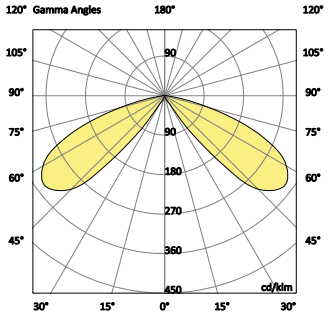
Lens: Transparent

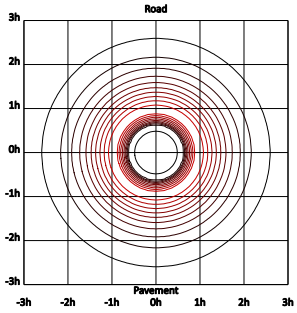




Optic: 360°

Lens: Transparent





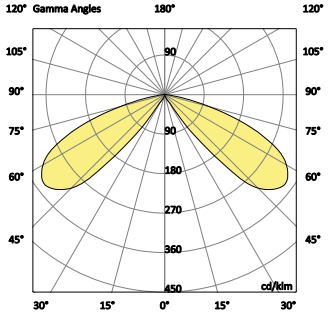
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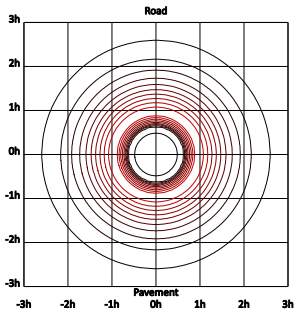
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Amber

Optic: 360°

Lens: Transparent





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POLIS BOLLARD | LUMINAIRE | CARVE | H 40”

Optic: 90° **Lens:** Transparent

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
300 lm	2700 K	8.2	37	12	324	6.1	49	0	1	0
300 lm	3000 K	7.7	39	12	306	5.7	53	0	1	0
300 lm	4000 K	7.4	41	12	292	5.4	56	0	1	0

Optic: 180° **Lens:** Transparent

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
600 lm	2700 K	15.8	38	24	676	12.9	47	1	1	1
600 lm	3000 K	14.8	41	24	636	12	50	1	1	1
600 lm	4000 K	14.2	42	24	608	11.4	53	1	1	1

Optic: 360° **Lens:** Transparent

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
1350 lm	2700 K	22.6	60	48	520	19.1	71	1	1	0
1350 lm	3000 K	21.3	63	48	492	17.9	75	1	1	0
1350 lm	4000 K	20.3	67	48	472	17	79	1	1	0

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POLIS BOLLARD | LUMINAIRE | CARVE | H 40”

Amber

Optic: 360°

Lens: Transparent

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
350 lm	Amber	19.7	18	48	588	16.5	21	0	1	0

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