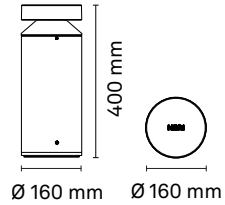
NERI

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

## POLIS BOLLARD | LUMINAIRE | PURE | H 400 MM






IP66 IK10 Classe II

## ORDERING INFORMATION / GUIDE

Example**: BOPOL00-N-D54-927-L002-ST-V1-F27-M2-CN0**

| OPTIQUE | RA+K | LUMINOUS FLUX | SCREEN FINISH | POWER SUPPLY | DRIVER FUNCTION | ISO CLASS | FINISH |
|---|---|---|---|---|---|---|---|
| **D54**<br>90° | **927**<br>Ra90 2700 K | **L002**<br>200 lm | **ST**<br>Transparent | **V1**<br>220V-240V | **F27**<br>ON/OFF+CLO | **M2**<br>Class II | **CN0**<br>Grey [Neri] Textured |
| **D53**<br>180° | **930**<br>Ra90 3000 K | **L005**<br>500 lm | | | **F06**<br>DALI+CLO | | |
| **D52**<br>360° | **940**<br>Ra90 4000 K | **L009**<br>900 lm | | | **F44**<br>D4i+CASAMBI | | |

Generated code: **BOPOL00 - 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 | PURE | 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

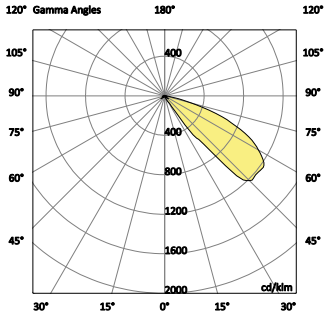
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

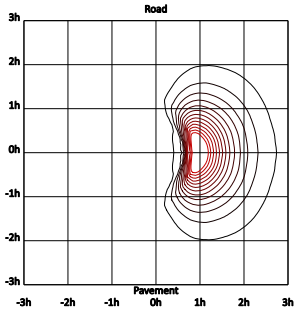

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# POLIS BOLLARD | LUMINAIRE | PURE | H 400 MM

**Optic:** 90°

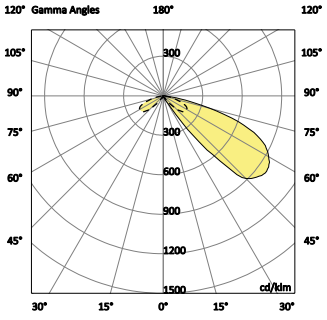
**Screen finish:** Transparent

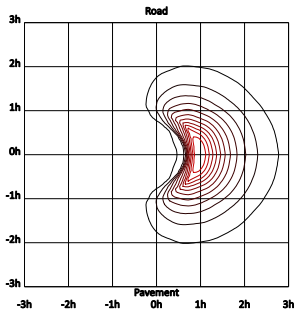



**Optic:** 180°

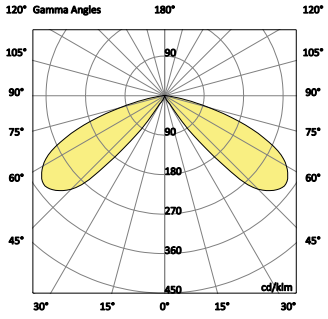
**Screen finish:** Transparent

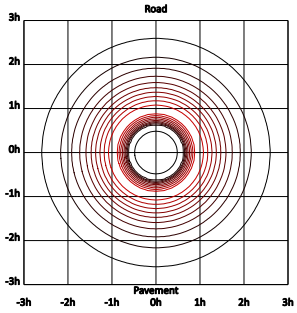



**Optic:** 360°

**Screen finish:** Transparent





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## POLIS BOLLARD | LUMINAIRE | PURE | H 400 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** |
| 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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