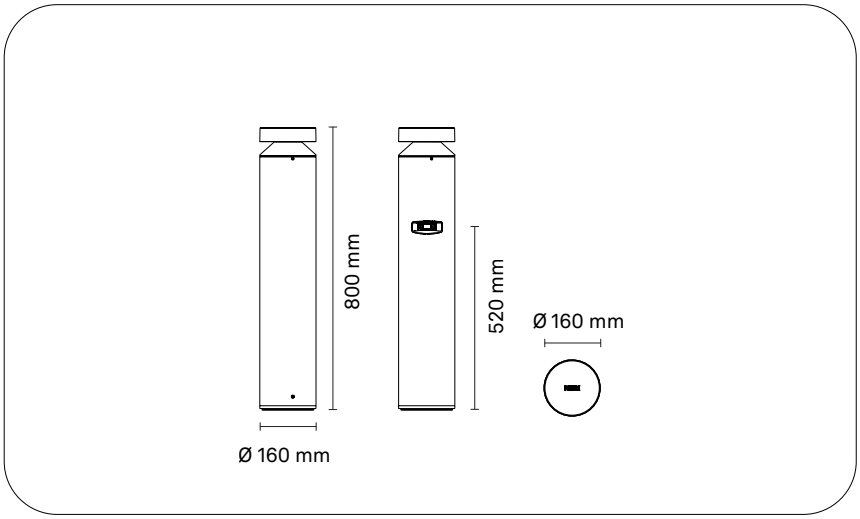
NERI

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

## POLIS BOLLARD | LUMINAIRE | PURE | H 800 MM






IP66 IK10 Classe II

## ORDERING INFORMATION / GUIDE

Example**: BOPOL01-N-D54-927-L003-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 | **L003**<br>300 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 | **L006**<br>600 lm | | | **F46**<br>DALI+PIR | | |
| **D52**<br>360° | **940**<br>Ra90 4000 K | **L013**<br>1300 lm | | | **F06**<br>DALI+CLO | | |
| | | | | | **F44**<br>D4i+CASAMBI | | |

Generated code: **BOPOL01 - 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 800 MM

### 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.

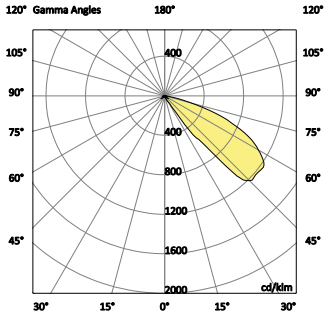
### WARNINGS
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

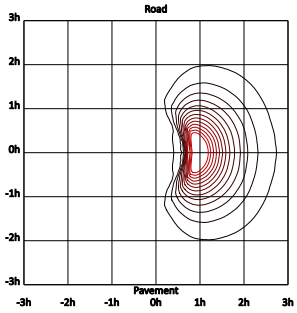

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# POLIS BOLLARD | LUMINAIRE | PURE | H 800 MM

**Optic:** 90°

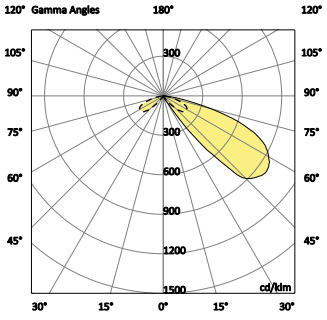
**Screen finish:** Transparent

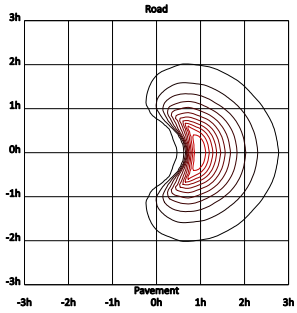



**Optic:** 180°

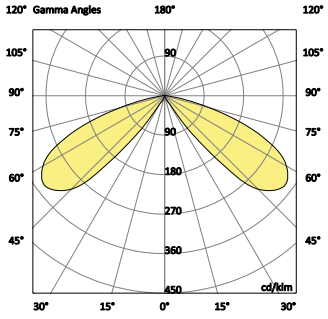
**Screen finish:** Transparent

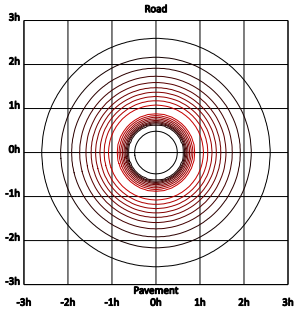



**Optic:** 360°

**Screen finish:** Transparent





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## POLIS BOLLARD | LUMINAIRE | PURE | H 800 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** |
| 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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