

POM

POM OPAL – BOLLARD

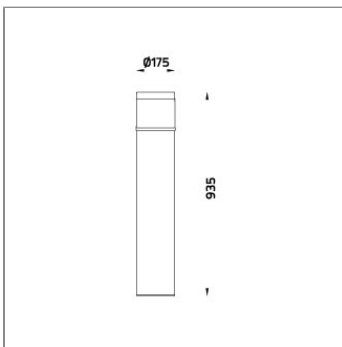
BOLLARD



LAST UPDATE: 17-05-2024



POM is a family of unshielded bollard and wall light with symmetrical diffused light distribution. High power COB LED is installed inside this luminaire. It is available in three color temperature 2700K, 3000K or 4000K. HID light source and E27 holder for Led retrofit lamps is also available. The impact resistant PC lens cover is available in prismatic and opal, both producing a uniform wide beam light distribution. POM is generally installed in the walk ways, parks, gardens, commercial areas and open spaces where general lighting is needed. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.



Technical Data



| | |
|-----------------------|--------------------|
| Ordering Code : | 7150-0-3-505-XX |
| Lamp : | LED |
| CCT : | 2700 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 4590 lm |
| Luminaire Lumen : | 1940 lm |
| Lamp Wattage : | 36 W |
| Luminaire Wattage : | 41 W |
| Efficacy : | 47 lm/W |
| Ambient Temperature : | 40°C |
| Lumen Maintenance | L70B10 >90,000 h |
| Controller : | On-Off |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | 6.20 kg. |

Ordering code guide

XXXX-X-X-XXX-XX
A B C D E

- A Product Code
- B Reflector
- C Electrical Component
- D Lamp
- E Color



Icon definition

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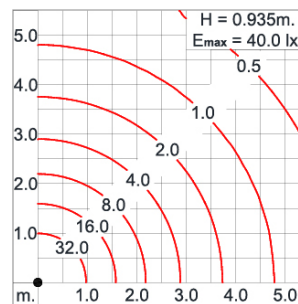
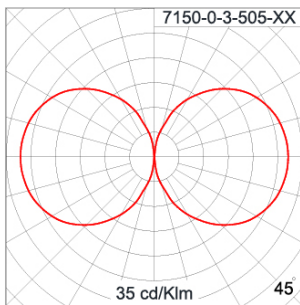


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Specification

| | | | | | | | | | | | | | |
|-------------------------|---|--|----------|--|-------------|--|--------------|--|--------------------|--|----------|--|-----------------|
| IEC Standard | IEC 60598-1 General Requirement IEC 60598-2-1 Fixed Luminaires | | | | | | | | | | | | |
| Protection | IP65 Class II | | | | | | | | | | | | |
| IK Rating | Protection against mechanical impact IK10 on body and optical part. | | | | | | | | | | | | |
| Luminaires Body Housing | High-pressure die cast aluminum alloy body and components. Extruded aluminum 56063 alloy body with low copper content. | | | | | | | | | | | | |
| Coating Process | Nano Ceramic surface conversion, resistant to corrosive environment. Luminaire primarily coated with epoxy resin and top coated with UV stabilized polyester powder and cured in digital temperature controlled chamber at 200°C. | | | | | | | | | | | | |
| Diffuser | Self-extinguishing high impact resistant opal polycarbonate diffuser with UV stabilized additive. | | | | | | | | | | | | |
| Gasket | Weather resistant silicone gasket. Working temperature -40°C to +200°C. | | | | | | | | | | | | |
| External Screws | External screws are in stainless steel with protection grease. | | | | | | | | | | | | |
| Cable Entry | Cable entry protected by weather proof grommet. To be used with HO5RN-F/ HO7RN-F cable with 6-13mm. diameter. | | | | | | | | | | | | |
| Led | High efficiency LED module in COB technology. Assembled on MCPCB and mounted on to heat conductive material. | | | | | | | | | | | | |
| Driver | High quality constant current LED driver. Conform to safety standard and electromagnetic compatibility standard. | | | | | | | | | | | | |
| Internal Wire | Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C. | | | | | | | | | | | | |
| Terminal Block | Terminal block in GFR PA6.6 for cable with cross section up to 2.5 sqmm. VDE approved. | | | | | | | | | | | | |
| Pre-Wire Cable | Pre-wired with 2x1.0 sqmm. HO7RN-F neoprene cable. IMQ approved. Equipped with anti-humidity kit. | | | | | | | | | | | | |
| Caution | Installation work has to be carried on according to the enclosed installation manual. | | | | | | | | | | | | |
| Color | <table><tr><td></td><td>Black O1</td></tr><tr><td></td><td>Graphite O2</td></tr><tr><td></td><td>Dark Grey O3</td></tr><tr><td></td><td>Aluminum Silver O4</td></tr><tr><td></td><td>White O6</td></tr><tr><td></td><td>Wooden Brown O7</td></tr></table> | | Black O1 | | Graphite O2 | | Dark Grey O3 | | Aluminum Silver O4 | | White O6 | | Wooden Brown O7 |
| | Black O1 | | | | | | | | | | | | |
| | Graphite O2 | | | | | | | | | | | | |
| | Dark Grey O3 | | | | | | | | | | | | |
| | Aluminum Silver O4 | | | | | | | | | | | | |
| | White O6 | | | | | | | | | | | | |
| | Wooden Brown O7 | | | | | | | | | | | | |

Light Distribution



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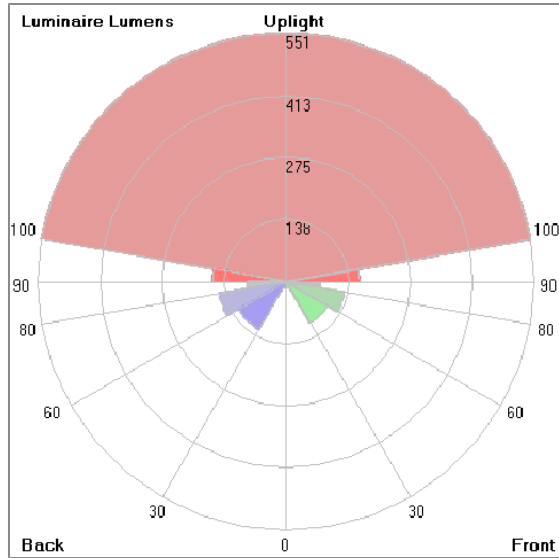
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Bug Report



Lum. Classification System [LCS]

| LCS | Zone | %Lumens | %Lamp | %Lum |
|------------|-----------|----------|-------|-------|
| FL | [0-30] | 13.9 | 0.3 | 1.0 |
| FM | [30-60] | 105.0 | 2.3 | 7.4 |
| FH | [60-80] | 131.3 | 2.9 | 9.3 |
| FVH | [80-90] | 75.4 | 1.6 | 5.3 |
| BL | [0-30] | 16.0 | 0.3 | 1.1 |
| BM | [30-60] | 121.4 | 2.6 | 8.6 |
| BH | [60-80] | 151.2 | 3.3 | 10.7 |
| BVH | [80-90] | 86.7 | 1.9 | 6.1 |
| UL | [90-100] | 162.4 | 3.5 | 11.5 |
| UH | [100-180] | 550.9 | 12.0 | 39.0 |
| Total | | 1414.2 | 30.7 | 100.0 |
| BUG Rating | | B1-U4-G1 | | |

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Accessories



Ordering Code:
AUN-CON-0009-00
IP68 connection device,
cable diameter 5-9.5mm,
On-Off



Ordering Code:
AUN-CON-0010-00
IP68 connection device 3
pole, cable diameter
5-9.5mm, with distribution
block



Ordering Code:
AUN-CON-0013-00
IP68 connection device,
cable diameter 7-11.5mm,
On-Off



Ordering Code:
AUN-ACB-0001-00
Anchor bolt kit, bollard