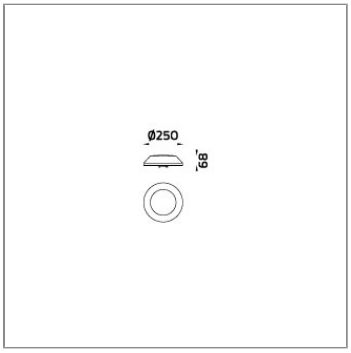
# CAP

## MEDIUM CAP 90

BOLLARD

LAST UPDATE: 21-10-2025

The CAP range is a fresh range of bollards and low mounted pole lights. Designed from scratch with the latest lighting requirements in mind. The highly efficient LEDs are shielded and emit no upward light. The light engine features great color consistency, excellent color rendering index and dimming options. Specification grade optics make the medium sized version a highly competitive lighting tool for demanding professional lighting tasks. With its compact dimensions the small sized CAP is a smart solution for residential lighting projects. Regardless of size the prewired supply cable, numerous mounting solutions and minimized amount of screws assure a simplified installation process.




## Technical Data

| | |
|---|---|
| Ordering Code : | 7879-J-3-568-XX |
| Lamp : | LED |
| Beam : | T3 - Asymmetric Medium Side Throw |
| CCT : | 2700 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 1630 lm |
| Luminaire Lumen : | 1440 lm |
| Lamp Wattage : | 17 W |
| Luminaire Wattage : | 19 W |
| Efficacy : | 75 lm/W |
| Ambient Temperature : | 50°C |
| Lumen Maintenance | L70B10 >60,000 h |
| Controller : | On-Off |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | - kg. |

### Ordering code guide

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

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

Icon definition

*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

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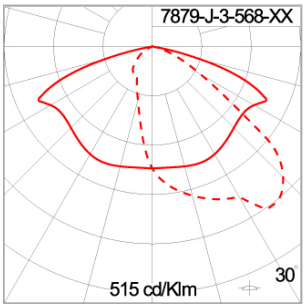
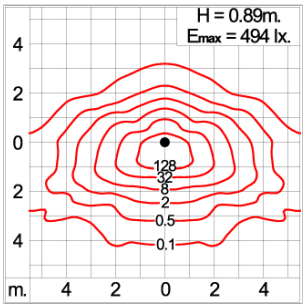
## Specification

| | |
|---|---|
| IEC Standard | IEC 60598-1 General Requirement |
| | IEC 60598-2-1 Fixed Luminaires |
| Protection | IP66 Class I |
| IK Rating | Protection against mechanical impact IK10 on body and IK08 on optical part. |
| Luminaires Body Housing | High-pressure die cast aluminum alloy body and components. |
| Coating Process | Nano Ceramic surface conversion, resistant to corrosive environment. Luminiare primarily coated with epoxy resin and top coated with UV stabilized polyester powder and cured in digital temperature controlled chamber at 200°C. |
| Diffuser | Impact resistant safety tempered glass cover. Able to withstand the temperature up to 250°C. |
| Lens | Molded PC lens from renowned manufacturers in various light distribution patterns. |
| Gasket | Post-cured treated silicone gasket. Temperature and weather resistant. Working temperature -40°C to +200°C. |
| External Screws | External screws are in stainless steel with protection grease. |
| Cable Entry | Cable entry protected by M16 cable gland. To be used with HO5RN-F/ HO7RN-F cable with 5-10mm. diameter. |
| Led | High efficiency LED module utilized chips from world renowned manufacturer. 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. |
| Enhanced Protection | The luminaire is equipped with a 10kV surge protection device, the function of the protector is indicated by a LED, performance in compliance with IEC61643-11. |
| Internal Wire | Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C. |
| Pre-Wire Cable | Pre-wired with 3x1.0 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. |
| | The water drainage system must be tested to ensure that it is working sufficiency and efficiency. |
| Color | Black 01<br>Graphite 02<br>Dark Grey 03<br>Aluminum Silver 04<br>White 06 |

## Light Distribution

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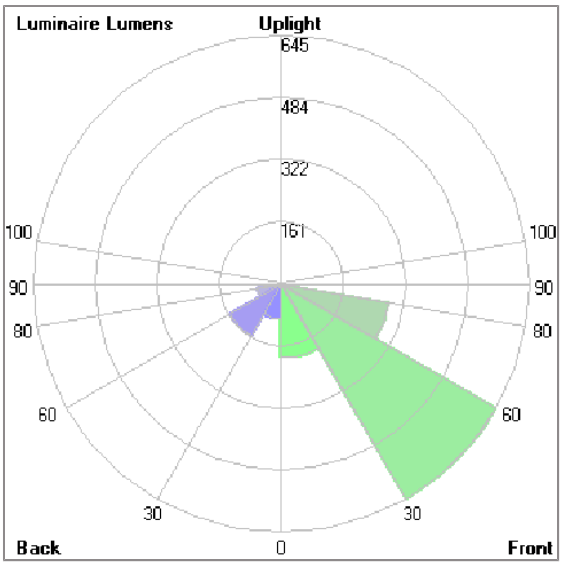
Unilamp

## Bug Report




Lum. Classification System [LCS]

| LCS | Zone | %Lumens | %Lamp | %Lum |
|---|---|---|---|---|
| FL | [0-30] | 192.5 | 11.8 | 13.4 |
| FM | [30-60] | 644.8 | 39.6 | 44.8 |
| FH | [60-80] | 283.5 | 17.4 | 19.7 |
| FVH | [80-90] | 6.9 | 0.4 | 0.5 |
| BL | [0-30] | 91.8 | 5.6 | 6.4 |
| BM | [30-60] | 155.8 | 9.6 | 10.8 |
| BH | [60-80] | 62.3 | 3.8 | 4.3 |
| BVH | [80-90] | 1.2 | 0.1 | 0.1 |
| UL | [90-100] | 0.1 | 0.0 | 0.0 |
| UH | [100-180] | 0.8 | 0.0 | 0.1 |
| Total | | 1439.7 | 88.3 | 100.0 |
| BUG Rating | | B0-U1-G0 | | |

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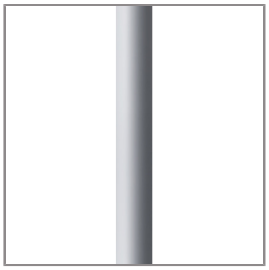
### Accessories

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

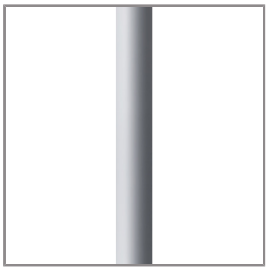
Ordering Code:
AUN-CON-0013-00
IP68 connection device, cable diameter 7-11.5mm, On-Off

Ordering Code:
AUN-ACB-0003-00
Anchor bolt kit, bollard



Ordering Code:
AUN-POL-0031-XX
Aluminum bollard tube, diameter 76mm, H= 833mm, with internal anchorage unit

Ordering Code:
AUN-POL-0032-XX
Aluminum bollard tube, diameter 76mm, H= 833mm, with flange base



Ordering Code:
AUN-POL-0033-XX
Aluminum bollard tube, diameter 76mm, H= 2500mm

Ordering Code:
AUN-ACB-0020-00
Anchor bolt kit, bollard

Ordering Code:
AUN-ACB-0021-00
Anchor bolt, M8x100, expansion type

Ordering Code:
AUN-ACB-0013-00
Anchor bolt kit

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