

# CHARISMA

## MEDIUM CHARISMA3 ROUND – BOLLARD

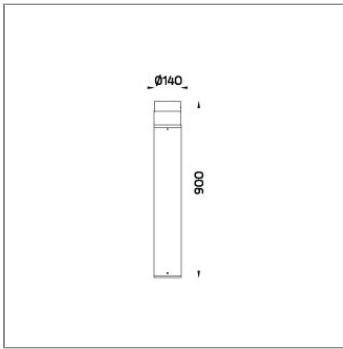
### BOLLARDS



LAST UPDATE: 03-05-2024



CHARISMA range of compact to mid-size bollard and wall light designed for residential, community and commercial sites. It is pre-wired from the factory with double insulated construction therefore safe and simple to install. CHARISMA is designed to utilize a high efficiency reflector and COB LED and available in three color temperatures from 2700K, 3000K and 4000K. It is supplied with built-in driver in both non-dimmable and 1-10V/ DALI dimmable options. The clear polycarbonate cover with internal glare suppression louvers improves the light quality by limiting the upward light emission. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.



### Technical Data



|                       |                    |
|-----------------------|--------------------|
| Ordering Code :       | 7158-0-3-891-XX    |
| Lamp :                | LED                |
| CCT :                 | 4000 K             |
| CRI :                 | CRI >80            |
| SDCM :                | SDCM = 3           |
| Lamp Lumen :          | 2470 lm            |
| Luminaire Lumen :     | 570 lm             |
| Lamp Wattage :        | 16 W               |
| Luminaire Wattage :   | 19 W               |
| Efficacy :            | 30 lm/W            |
| Ambient Temperature : | 50°C               |
| Lumen Maintenance     | L70B10 >90,000 h   |
| Controller :          | On-Off             |
| Input Voltage :       | 220-240Vac 50/60Hz |
| Net Weight :          | 4.80 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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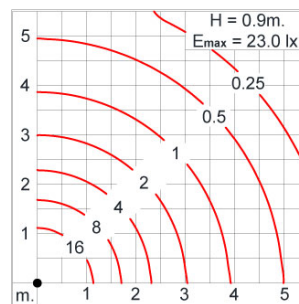
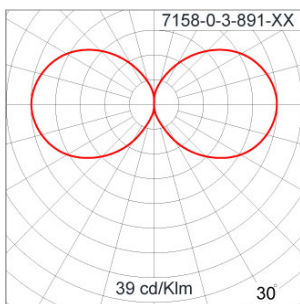


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### Specification

|                         |   |  |          |  |             |  |              |  |                    |  |          |  |                 |
|-------------------------|---|--|----------|--|-------------|--|--------------|--|--------------------|--|----------|--|-----------------|
| IEC Standard            | IEC 60598-1 General Requirement<br>IEC 60598-2-1 Fixed Luminaires   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Protection              | IP66 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.<br>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.<br>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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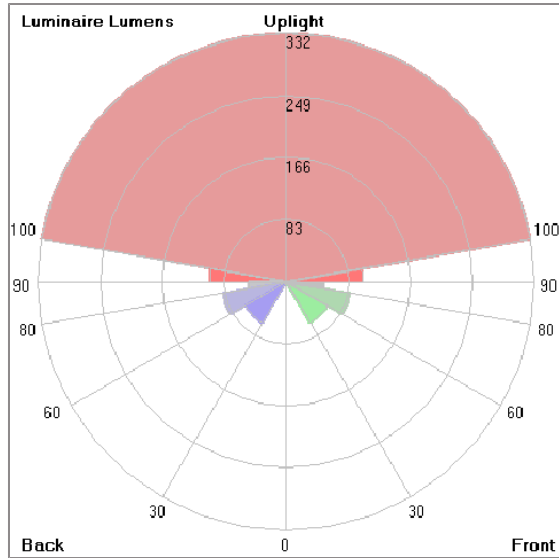
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#### Bug Report



#### Lum. Classification System [LCS]

| LCS        | Zone      | %Lumens | %Lamp | %Lum     |
|------------|-----------|---------|-------|----------|
| FL         | [0-30]    | 3.6     | 0.1   | 0.4      |
| FM         | [30-60]   | 63.3    | 2.6   | 7.5      |
| FH         | [60-80]   | 86.7    | 3.5   | 10.3     |
| FVH        | [80-90]   | 50.7    | 2.1   | 6.0      |
| BL         | [0-30]    | 3.6     | 0.1   | 0.4      |
| BM         | [30-60]   | 63.3    | 2.6   | 7.5      |
| BH         | [60-80]   | 86.7    | 3.5   | 10.3     |
| BVH        | [80-90]   | 50.7    | 2.1   | 6.0      |
| UL         | [90-100]  | 101.9   | 4.1   | 12.1     |
| UH         | [100-180] | 331.6   | 13.4  | 39.4     |
| Total      |           | 842.1   | 34.1  | 100.0    |
| BUG Rating |           |         |       | BO-U3-G1 |

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#### Accessories



Ordering Code:  
AUN-CON-0009-00  
IP68 Water Tight  
Connecting Device, 3 Pole,  
Cable Diameter 5.0 –  
9.5mm.



Ordering Code:  
AUN-CON-0010-00  
IP68 Water Tight  
Connecting Device with  
Distribution block, 3 pole, 1  
input, 2 outputs, Cable  
Diameter 5.0 – 9.5mm.



Ordering Code:  
AUN-CON-0013-00  
IP68 Water Tight  
Connecting Device, 3 Pole,  
Cable Diameter 7 – 11.5mm.



Ordering Code:  
AUN-ACB-0007-00  
Anchor Bolt Kit