

TOWER

TOWER3 – BOLLARD

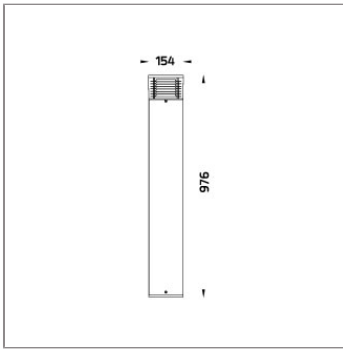
BOLLARD



LAST UPDATE: 30-05-2024



TOWER family is designed with the clean-cut line to provide scenic lighting in modern architectural environment. The Opal diffuser softens the light symmetrically while the clear diffuser with slanted louver limits the glare. The extrusion aluminium body together with high impact resistant Polycarbonate cover protect the luminaire against vandalism and corrosion. High power COB LED is installed inside this luminaire. It is available in three color temperature 2700K, 3000K or 4000K. Retrofit solution for E27 Led lamp is also available. It is suitable to be installed in gardens, pathways, squares and open spaces. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.



Technical Data



| | |
|-----------------------|--------------------|
| Ordering Code : | 7152-0-5-891-XX |
| Lamp : | LED |
| CCT : | 4000 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 3390 lm |
| Luminaire Lumen : | 470 lm |
| Lamp Wattage : | 23 W |
| Luminaire Wattage : | 28 W |
| Efficacy : | 16 lm/W |
| Ambient Temperature : | 50°C |
| Lumen Maintenance | L70B10 >90,000 h |
| Controller : | DALI |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | 7.10 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

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

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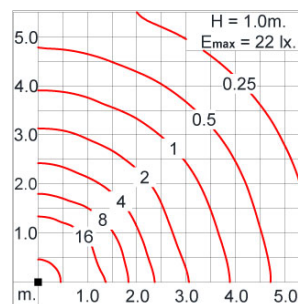
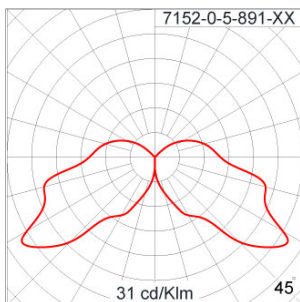


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Specification

| | |
|-------------------------|---|
| IEC Standard | IEC 60598-1 General Requirement IEC 60598-2-1 Fixed Luminaires |
| Protection | IP65 Class II |
| IK Rating | Protection against mechanical impact IK09 on body and IK10 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 clear polycarbonate diffuser with UV stabilized additive. |
| Reflector | Glare shield slanted aluminum louvers. |
| 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 DALI Driver in constant current. Conform to applicable safety standards and electromagnetic compatibility. |
| 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 5-core cable for power [3x1 sqmm.] and dimming signal [2x0.35 sqmm.]. Equipped with anti-humidity kit. |
| Caution | Installation work has to be carried on according to the enclosed installation manual. |
| Color |  Black O1 Graphite O2 Dark Grey O3 Aluminum Silver O4 White O6 Wooden Brown O7 |

Light Distribution



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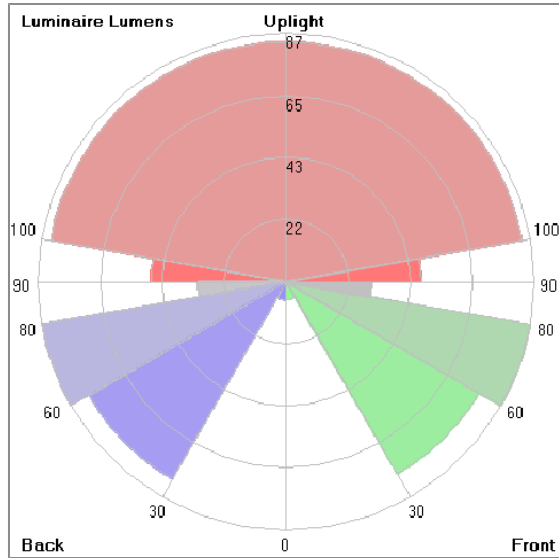
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Bug Report



Lum. Classification System [LCS]

| LCS | Zone | %Lumens | %Lamp | %Lum |
|------------|-----------|----------|-------|-------|
| FL | [0-30] | 6.3 | 0.2 | 1.2 |
| FM | [30-60] | 77.7 | 2.3 | 14.5 |
| FH | [60-80] | 86.8 | 2.6 | 16.2 |
| FVH | [80-90] | 29.9 | 0.9 | 5.6 |
| BL | [0-30] | 6.5 | 0.2 | 1.2 |
| BM | [30-60] | 79.7 | 2.3 | 14.9 |
| BH | [60-80] | 86.7 | 2.6 | 16.2 |
| BVH | [80-90] | 30.7 | 0.9 | 5.7 |
| UL | [90-100] | 47.2 | 1.4 | 8.8 |
| UH | [100-180] | 83.7 | 2.5 | 15.6 |
| Total | | 535.2 | 15.9 | 100.0 |
| BUG Rating | | BO-U3-G1 | | |

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Accessories



Ordering Code:
AUN-CON-0011-00
IP68 connection device,
cable diameter 7.1-13mm,
1-10V or DALI



Ordering Code:
AUN-CON-0012-00
IP68 connection device 5
pole, cable diameter
7.1-13mm, with distribution
block , 1-10V or DALI



Ordering Code:
AUN-CON-0014-00
IP68 connection device,
cable diameter 8-12.5mm,
1-10V or DALI



Ordering Code:
AUN-ACB-0002-00
Anchor bolt kit, bollard