

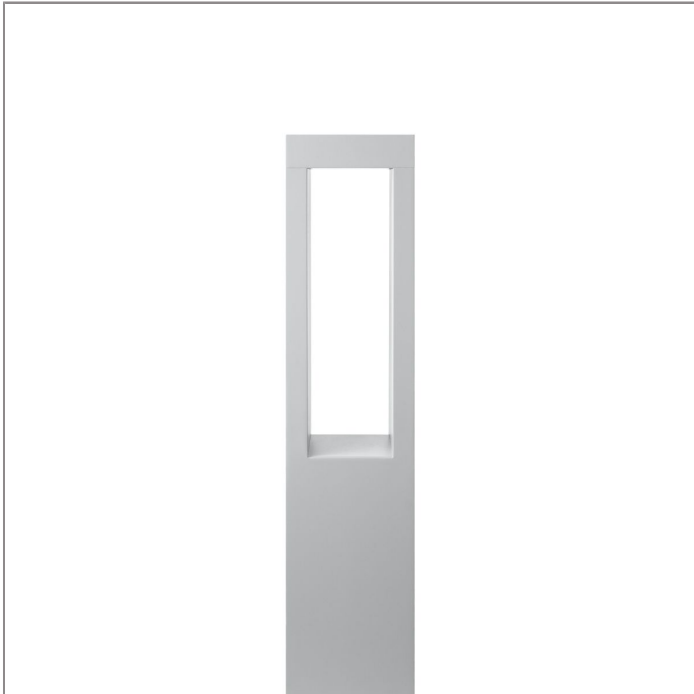
BICEPS

BICEPS 2S

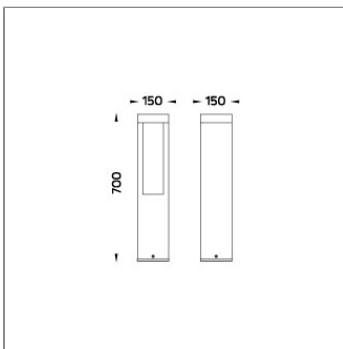
BOLLARD



LAST UPDATE: 24-02-2025



BICEPS is a family of luminaires designed for architectural spaces with functional low glare light output. Two different types of bollards and a light column make up the BICEPS family. The luminaires are suitable for pathways, parks, commercial areas and open spaces. Manufactured from corrosion resistant aluminum extrusions and a specially formulated LM6 aluminum alloy [LM6+], BICEPS is suitable for harsh environments.



Technical Data



| | |
|-----------------------|--------------------|
| Ordering Code : | 7180-0-3-902-XX |
| Lamp : | LED |
| CCT : | 3000 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 3300 lm |
| Luminaire Lumen : | 800 lm |
| Lamp Wattage : | 23 W |
| Luminaire Wattage : | 25 W |
| Efficacy : | 32 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

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

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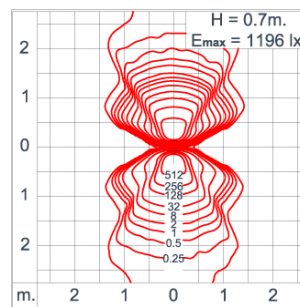
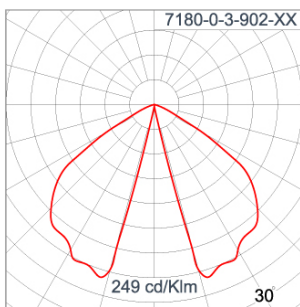


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Specification

| | | | | | | | | | | | |
|-------------------------|---|--|----------|--|-------------|--|--------------|--|--------------------|--|----------|
| IEC Standard | IEC 60598-1 General Requirement IEC 60598-2-1 Fixed Luminaires | | | | | | | | | | |
| Protection | IP66 Class I | | | | | | | | | | |
| IK Rating | Protection against mechanical impact IK10 on body. | | | | | | | | | | |
| Luminaires Body Housing | Extruded aluminum 56063 alloy body with low copper content. High-pressure die cast aluminum alloy body and components. | | | | | | | | | | |
| 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 | Impact resistant safety tempered glass cover. Able to withstand the temperature up to 250°C. | | | | | | | | | | |
| 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 M20 cable gland. To be used with H05RN-F/ H07RN-F cable with 7-13mm. 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. Class1 luminaire provided with the earth connection. | | | | | | | | | | |
| 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></table> | | Black O1 | | Graphite O2 | | Dark Grey O3 | | Aluminum Silver O4 | | White O6 |
| | Black O1 | | | | | | | | | | |
| | Graphite O2 | | | | | | | | | | |
| | Dark Grey O3 | | | | | | | | | | |
| | Aluminum Silver O4 | | | | | | | | | | |
| | White O6 | | | | | | | | | | |

Light Distribution



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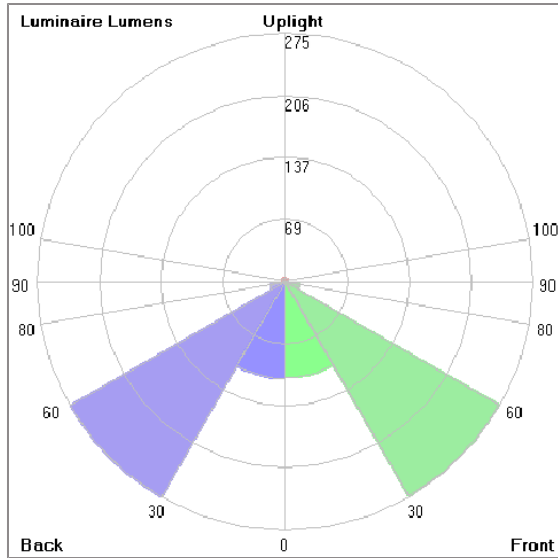
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Bug Report



Lum. Classification System [LCS]

| LCS | Zone | %Lumens | %Lamp | %Lum |
|------------|-----------|----------|-------|-------|
| FL | [0-30] | 106.4 | 3.2 | 13.3 |
| FM | [30-60] | 273.1 | 8.3 | 34.2 |
| FH | [60-80] | 16.1 | 0.5 | 2.0 |
| FVH | [80-90] | 0.6 | 0.0 | 0.1 |
| BL | [0-30] | 107.2 | 3.2 | 13.4 |
| BM | [30-60] | 274.9 | 8.3 | 34.4 |
| BH | [60-80] | 16.5 | 0.5 | 2.1 |
| BVH | [80-90] | 0.6 | 0.0 | 0.1 |
| UL | [90-100] | < 0.05 | 0.0 | 0.0 |
| UH | [100-180] | 4.0 | 0.1 | 0.5 |
| Total | | 799.4 | 24.1 | 100.0 |
| BUG Rating | | B1-U1-GO | | |

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 **Unilamp**

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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-0002-00
Anchor bolt kit, bollard