

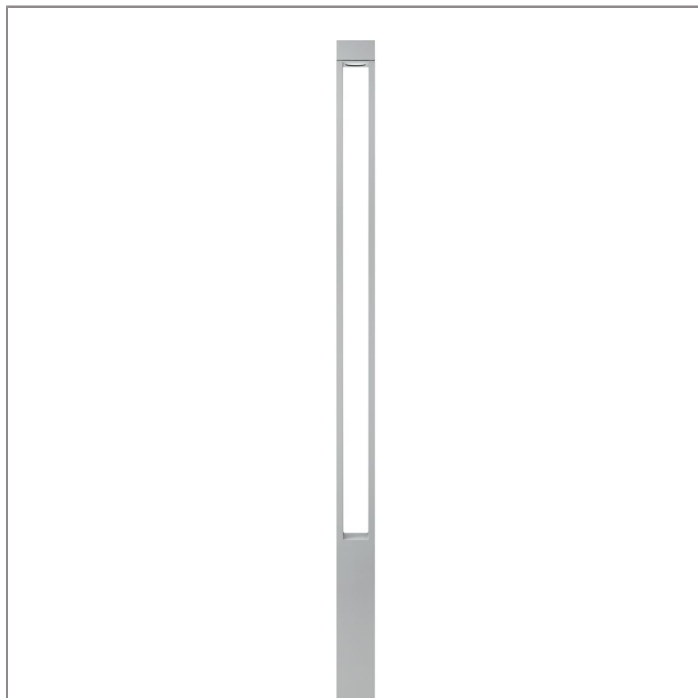
# BICEPS

## BICEPS

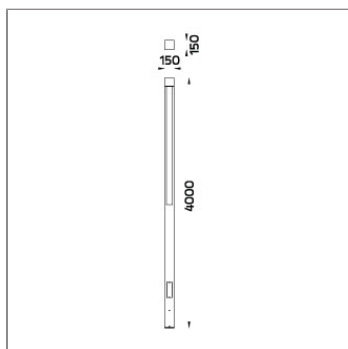
### LIGHT COLUMN



LAST UPDATE: 24-03-2025



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 :       | 7710-K-3-536-XX    |
| Lamp :                | LED                |
| Beam :                | T4                 |
| CCT :                 | 4000 K             |
| CRI :                 | CRI >80            |
| SDCM :                | SDCM = 3           |
| Lamp Lumen :          | 4780 lm            |
| Luminaire Lumen :     | 1600 lm            |
| Lamp Wattage :        | 40 W               |
| Luminaire Wattage :   | 43 W               |
| Efficacy :            | 37 lm/W            |
| Ambient Temperature : | 50°C               |
| Lumen Maintenance     | L80B10 >108,000 h  |
| Controller :          | On-Off             |
| Input Voltage :       | 220-240Vac 50/60Hz |
| Net Weight :          | 30.80 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

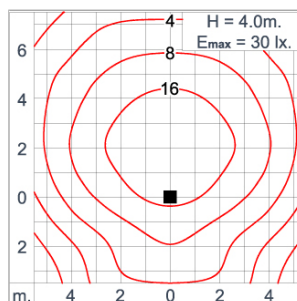
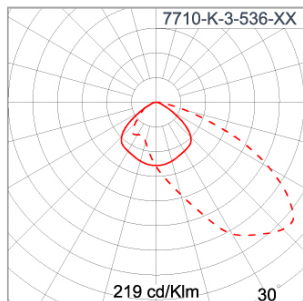
\*Due to the constancy of product development,  
we reserve the right to alter all specification  
without prior notice.

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## Specification

|                         |   |
|-------------------------|---|
| IEC Standard            | IEC 60598-1 General Requirement<br>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.<br>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.  |
| Lens                    | Molded PC lens from renowned manufacturers in various light distribution patterns.  |
| 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 M12 cable gland. To be used with HO5RN-F/ HO7RN-F cable with 4-7mm. 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.   |
| Terminal Block          | Terminal block in GFR PA6.6 for cable with cross section up to 4 sqmm. VDE approved.<br>Class1 luminaire provided with the earth connection.  |
| Caution                 | Installation work has to be carried on according to the enclosed installation manual.   |
| Color                   | <div> <div></div> Black 01           <div></div> Graphite 02           <div></div> Dark Grey 03           <div></div> Aluminum Silver 04           <div></div> White 06         </div>  |

## Light Distribution



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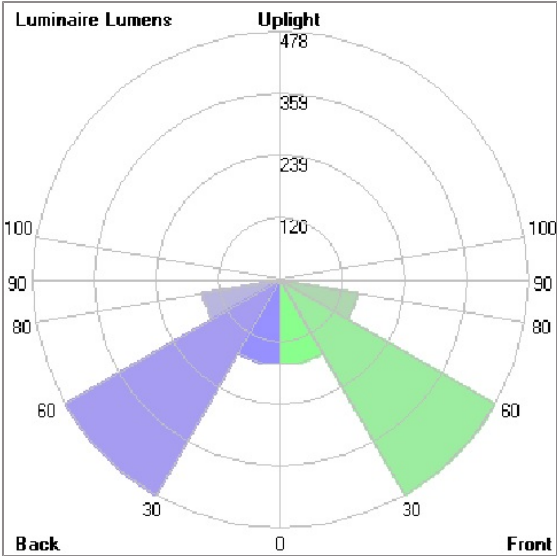
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#### Bug Report



| Lum. Classification System (LCS) |           |          |       |       |
|----------------------------------|-----------|----------|-------|-------|
| LCS                              | Zone      | %Lumens  | %Lamp | %Lum  |
| FL                               | [0-30]    | 163.7    | 3.4   | 10.2  |
| FM                               | [30-60]   | 478.4    | 10.0  | 29.9  |
| FH                               | [60-80]   | 151.2    | 3.2   | 9.4   |
| FVH                              | [80-90]   | 6.3      | 0.1   | 0.4   |
| BL                               | [0-30]    | 163.7    | 3.4   | 10.2  |
| BM                               | [30-60]   | 478.4    | 10.0  | 29.9  |
| BH                               | [60-80]   | 151.2    | 3.2   | 9.4   |
| BVH                              | [80-90]   | 6.3      | 0.1   | 0.4   |
| UL                               | [90-100]  | 0.4      | 0.0   | 0.0   |
| UH                               | [100-180] | 0.5      | 0.0   | 0.0   |
| Total                            |           | 1600.1   | 33.4  | 100.0 |
| BUG Rating                       |           | B1-U1-G1 |       |       |

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#### Accessories



Ordering Code:

AUN-ACB-0017-00

Anchor Bolt Kit

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