

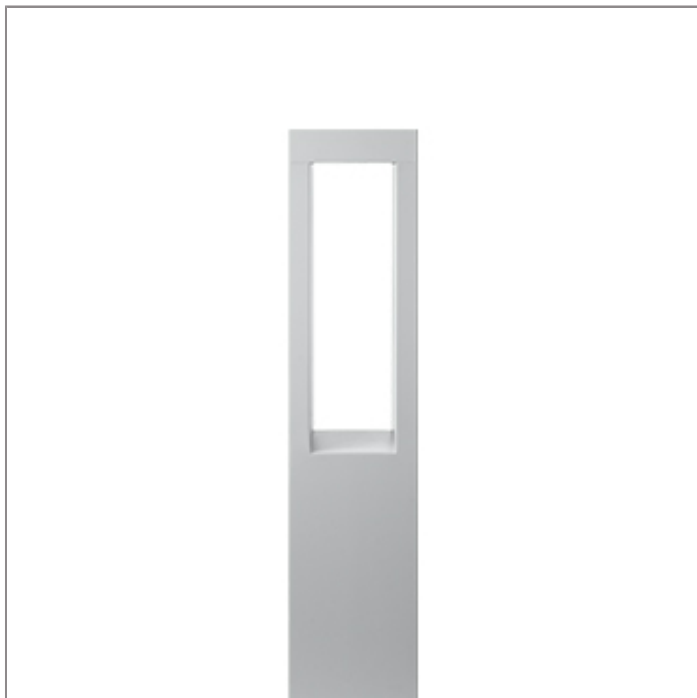
BICEPS

BICEPS BOLLARD

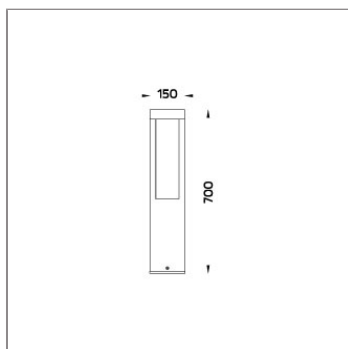
BOLLARDS



LAST UPDATE: 08-11-2023



BICEPS is a light tower and bollard designed for architectural spaces with functional low glare light output. It is generally installed in walkways, parks, commercial areas and open spaces to illuminate the areas and give direction to people. It is designed and built for a high power COB LED utilizing top performance vacuum metalized reflector. It generates an even symmetrical downward light distribution and emits no upward light in accordance to light pollution regulation. Manufactured in impact resistant welded aluminium structure and maximized thermal management through integrated heat sink. Available in six colors and coated with Nano Ceramic film and super durable polyester powder. BICEPS is a bold statement to a modern landscape. The new addition to BICEPS series. The new BICEPS pole light with asymmetric light distributions enables a wider installation spacing without compromising the visual comfort. The light column is available with single sided or double-sided light emission. The single sided configuration produces minimal amount of back lighting for comfortable glare free light installations. The minimized amount of up light makes BICEPS asymmetric suitable for sensitive lighting projects.



Technical Data



| | |
|-----------------------|--------------------|
| Ordering Code : | 7180-O-3-869-XX |
| Lamp : | LED |
| CCT : | 3000 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 930 lm |
| Luminaire Lumen : | 320 lm |
| Lamp Wattage : | 10 W |
| Luminaire Wattage : | 11 W |
| Efficacy : | 81 lm/W |
| Ambient Temperature : | 50°C |
| Lumen Maintenance | L70B10 >45,000 h |
| Controller : | On-Off [AC LED] |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | 5.50 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

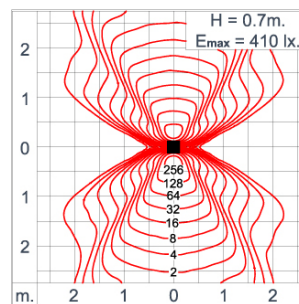
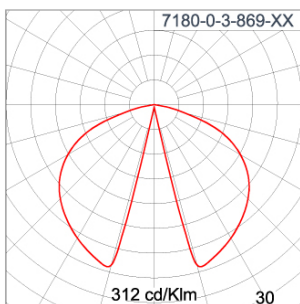
*Due to the constancy of product development,
we reserve the right to alter all specification
without prior notice.

Unilamp Co., Ltd.
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1
Fax : +66[0]2 943 2419
online@unilamp.co.th
www.unilamp.co.th

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 Aluminium S6063 alloy body with low copper content. High-pressure Die Cast Aluminium 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 M12 cable gland. To be used with HO5RN-F/ HO7RN-F cable with 4-7mm. diameter. |
| Led | High quality AC LED module. 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. |
| Pre-Wire Cable | Pre-wired with 3x0.75 sqmm. HO5RN-F neoprene cable. IMQ approved. Equipped with anti-humidity kit. |
| Caution | Installation work has to be carried on according to the enclosed installation manual. |
| Color | <div> <div>Black O1</div> <div>Graphite O2</div> <div>Dark Grey O3</div> <div>Aluminium Silver O4</div> <div>White O6</div> <div>Wooden Brown O7</div> </div> |

Light Distribution



BICEPS

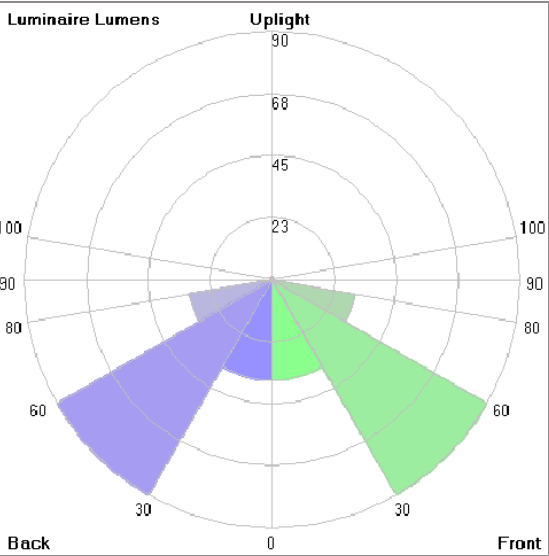
BICEPS BOLLARD

BOLLARDS



LAST UPDATE: 08-11-2023

Bug Report



| Lum. Classification System [LCS] | | | | |
|----------------------------------|-----------|----------|-------|-------|
| LCS | Zone | %Lumens | %Lamp | %Lum |
| FL | [0-30] | 36.5 | 4.1 | 11.6 |
| FM | [30-60] | 90.2 | 10.0 | 28.5 |
| FH | [60-80] | 30.4 | 3.4 | 9.6 |
| FVH | [80-90] | 0.5 | 0.1 | 0.2 |
| BL | [0-30] | 36.5 | 4.1 | 11.5 |
| BM | [30-60] | 90.2 | 10.0 | 28.5 |
| BH | [60-80] | 30.5 | 3.4 | 9.6 |
| BVH | [80-90] | 0.5 | 0.1 | 0.2 |
| UL | [90-100] | < 0.05 | 0.0 | 0.0 |
| UH | [100-180] | 0.9 | 0.1 | 0.3 |
| Total | | 316.2 | 35.3 | 100.0 |
| BUG Rating | | B0-U1-G0 | | |

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

BICEPS

BICEPS BOLLARD

BOLLARDS



LAST UPDATE: 08-11-2023

Accessories



Ordering Code:

AUN-ACB-0002-00

Anchor Bolt Kit for Bollard

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

Unilamp Co., Ltd.
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1
Fax : +66[0]2 943 2419
online@unilamp.co.th
www.unilamp.co.th