

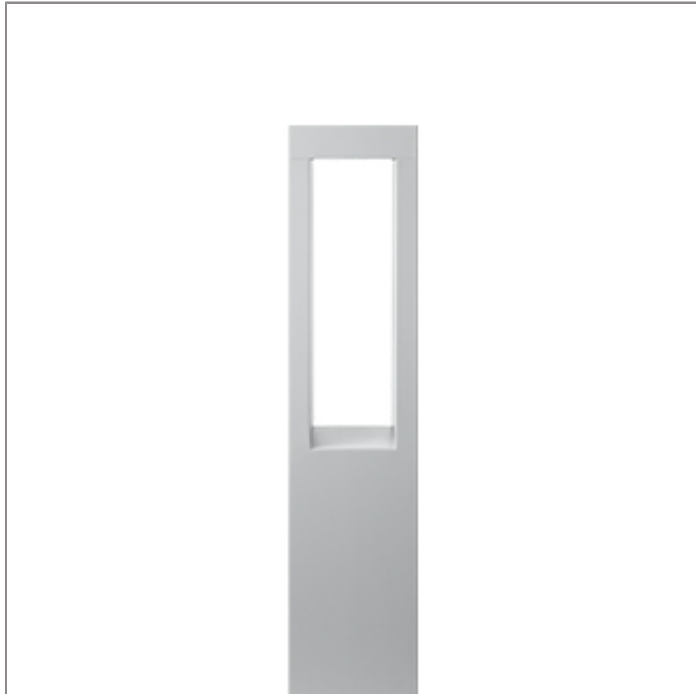
# BICEPS

## BICEPS BOLLARD

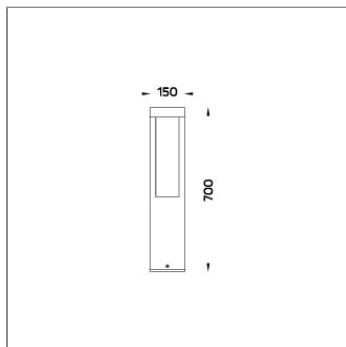
### BOLLARDS



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-3-870-XX
Lamp :	LED
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	950 lm
Luminaire Lumen :	850 lm
Lamp Wattage :	10 W
Luminaire Wattage :	10 W
Efficacy :	85 lm/W
Ambient Temperature :	50°C
Lumen Maintenance	L70B50 >40,000 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

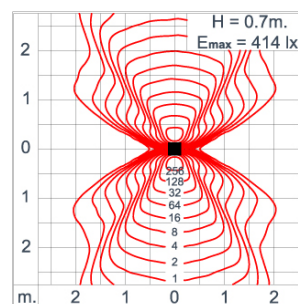
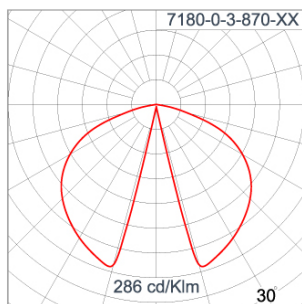
\*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

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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 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 01</div> <div>Graphite 02</div> <div>Dark Grey 03</div> <div>Aluminium Silver 04</div> <div>White 06</div> <div>Wooden Brown 07</div> </div>

### Light Distribution



# BICEPS

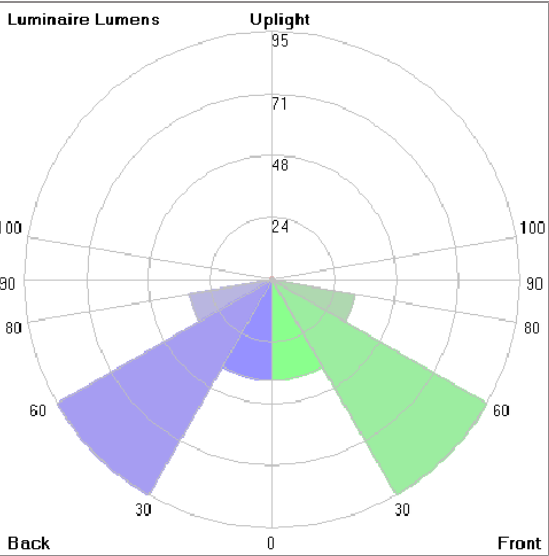
## BICEPS BOLLARD

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#### Bug Report



Lum. Classification System [LCS]				
LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	38.6	4.1	11.6
FM	[30-60]	95.2	10.0	28.5
FH	[60-80]	32.1	3.4	9.6
FVH	[80-90]	0.5	0.1	0.2
BL	[0-30]	38.5	4.1	11.5
BM	[30-60]	95.2	10.0	28.5
BH	[60-80]	32.2	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		333.7	35.3	100.0
BUG Rating		B0-U1-G0		

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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-0002-00  
Anchor Bolt Kit for Bollard



Ordering Code:  
AUN-CON-0006-00  
IP68 Water Tight  
Connecting Device Cable  
Diameter 7 – 12mm.