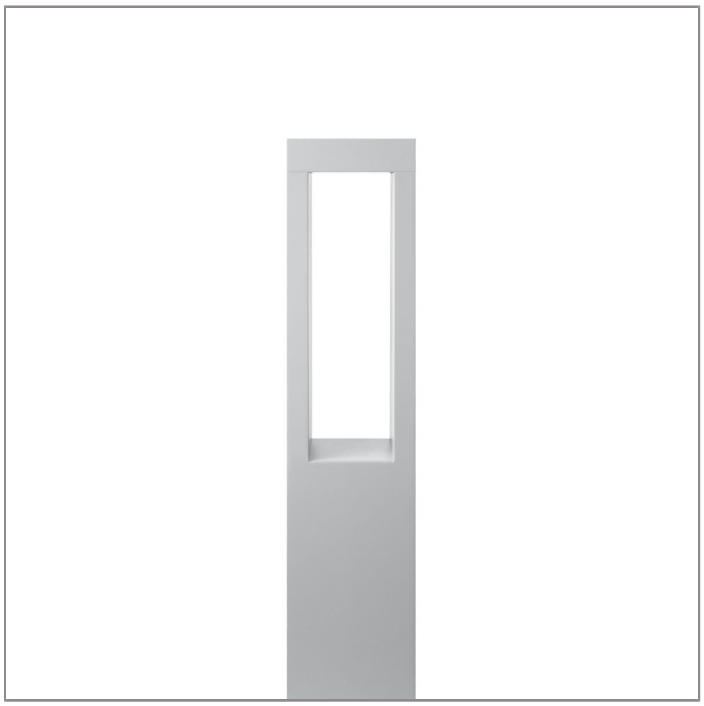
BICEPS

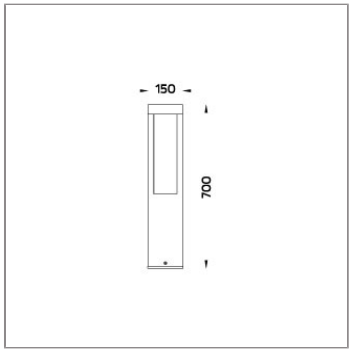
BICEPS

BOLLARD

LAST UPDATE: 05-08-2026



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 :	7180-0-3-905-XX
Lamp :	LED
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	3390 lm
Luminaire Lumen :	820 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

B D

XXXX-X-X-XXX-XX

A C 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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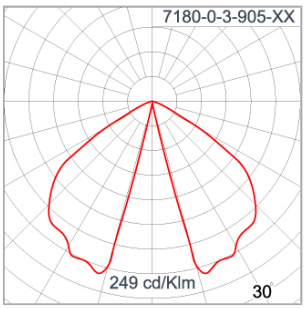
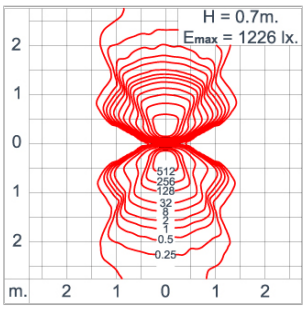
Specification

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 aluminum S6063 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. Luminiare 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	Black 01 Graphite 02 Dark Gray 03 Aluminum Silver 04 White 06 Corten 08

Light Distribution





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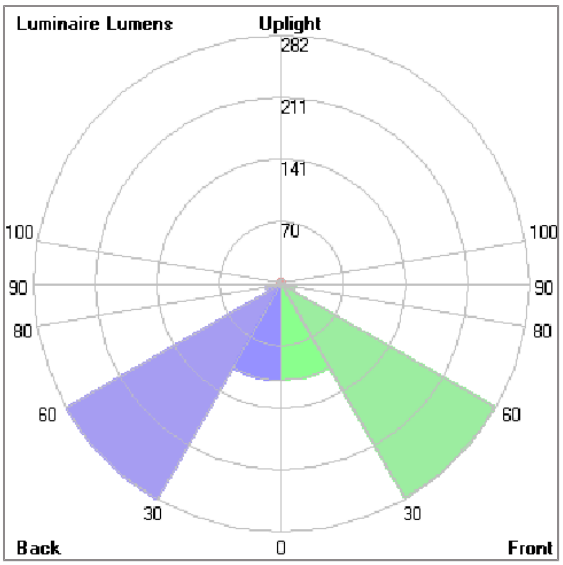
Bug Report



Lum. Classification System (LCS)

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	109.1	3.2	13.3
FM	[30-60]	279.9	8.3	34.2
FH	[60-80]	16.5	0.5	2.0
FVH	[80-90]	0.6	0.0	0.1
BL	[0-30]	109.9	3.2	13.4
BM	[30-60]	281.8	8.3	34.4
BH	[60-80]	16.9	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]	4.2	0.1	0.5
Total		819.5	24.1	100.0
BUG Rating		B1-U1-G0		

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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

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