BICEPS
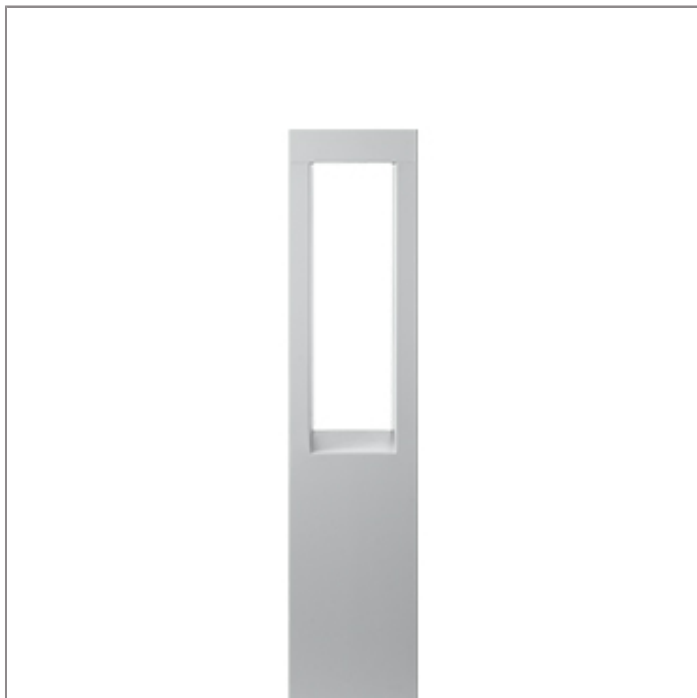
BICEPS 2S
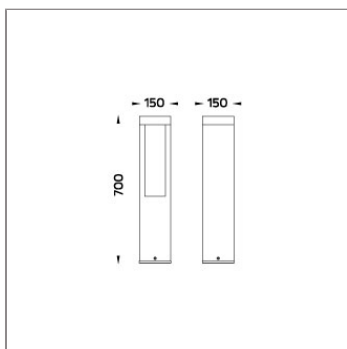
BOLLARD

Unilamp

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.

— 150 — — 150 —

700

Ordering code guide

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        B    D
XXXX-X-X-XXX-XX
    A    C       E
```

A   Product Code
B   Reflector
C   Electrical Component
D   Lamp
E   Color

IK BODY OPTIC   Icon definition

Technical Data

CE   IP66   IK¹⁰

Ordering Code :	7180-0-3-873-XX
Lamp :	LED
CCT :	3000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	1800 lm
Luminaire Lumen :	1170 lm
Lamp Wattage :	20 W
Luminaire Wattage :	20 W
Efficacy :	58 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 :	6.20 kg.

BICEPS

BICEPS 2S

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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 M12 cable gland. To be used with H05RN-F/ H07RN-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. H05RN-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	■ Black 01
	■ Graphite 02
	■ Dark Grey 03
	■ Aluminum Silver 04
	□ White 06

Light Distribution

7180-0-3-873-XX
286 cd/Klm
30

H = 0.7m.
Emax = 784 lx.

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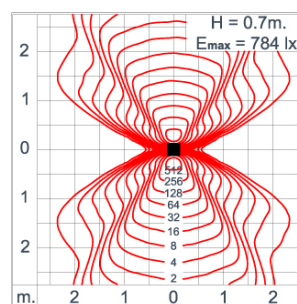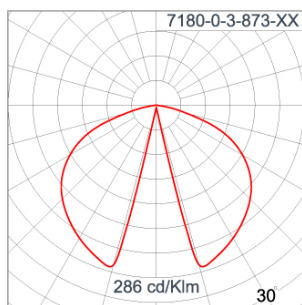
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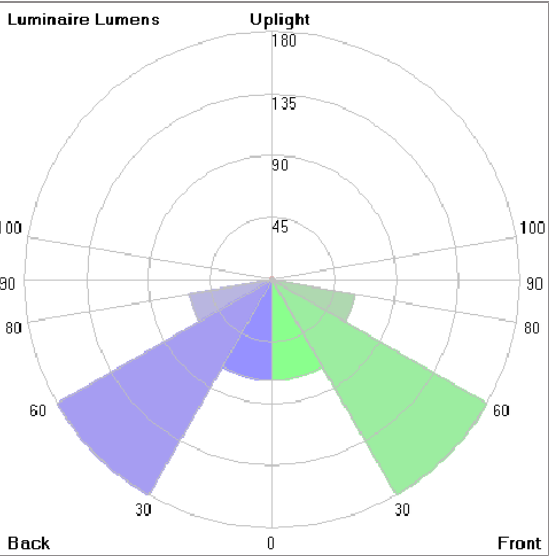
Lum. Classification System [LCS]

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	73.1	4.1	11.6
FM	[30-60]	180.3	10.0	28.5
FH	[60-80]	60.9	3.4	9.6
FVH	[80-90]	1.0	0.1	0.2
BL	[0-30]	73.0	4.1	11.5
BM	[30-60]	180.3	10.0	28.5
BH	[60-80]	60.9	3.4	9.6
BVH	[80-90]	1.0	0.1	0.2
UL	[90-100]	< 0.05	0.0	0.0
UH	[100-180]	1.8	0.1	0.3
Total		632.3	35.3	100.0
BUG Rating		B0-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