

CYCLOPS

CYCLOPS – SHORT SINGLE SIDED BOLLARD



LAST UPDATE: 14-05-2024



CYCLOPS family is an innovative walkway lighting solution with shielded light sources. Delivering light exactly where it is needed without disruptive glare. Operated with multiple LED with built in heat sink. The light is precisely controlled by carefully designed lenses and is directed onto the illuminated surface. The vandal resistant clear polycarbonate cover protects the bollard from harmful impact, dust and water. CYCLOPS is available in two sizes and two heights with 180 and 360-degree light distribution. CYCLOPS can be installed in residential areas, walkways, parks, commercial areas and open spaces. It provides illumination for modern architectural environment as well as being an eye-catching object. Pre-wired cables and a twist-locking mechanism ensure an easy installation. CYCLOPS can be customized to required heights and an anchorage unit for concrete foundation is available as an accessory.



Technical Data



Ordering Code :	7173-I-3-898-XX
Lamp :	LED
Beam :	Side throw
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	1030 lm
Luminaire Lumen :	490 lm
Lamp Wattage :	8.1 W
Luminaire Wattage :	10 W
Efficacy :	49 lm/W
Ambient Temperature :	50°C
Lumen Maintenance	L70B10 >66,000 h
Controller :	On-Off
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	3.20 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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BOLLARD



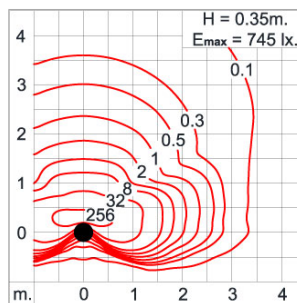
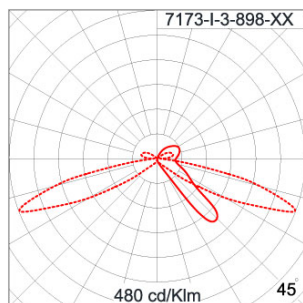
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Specification

IEC Standard	IEC 60598-1 General Requirement IEC 60598-2-1 Fixed Luminaires
Protection	IP66 Class II
IK Rating	Protection against mechanical impact IK09 on body and optical part.
Luminaires Body Housing	High-pressure die cast aluminum alloy body and components. Extruded aluminum S6063 alloy body with low copper content.
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	Self-extinguishing high impact resistant clear polycarbonate diffuser with UV stabilized additive.
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 weather proof grommet. To be used with HO5RN-F/ HO7RN-F cable with 6-13mm. 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.
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.
Pre-Wire Cable	Pre-wired with 2x1.0 sqmm. HO7RN-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 O1
	Graphite O2
	Dark Grey O3
	Aluminum Silver O4
	White O6
	Wooden Brown O7

Light Distribution



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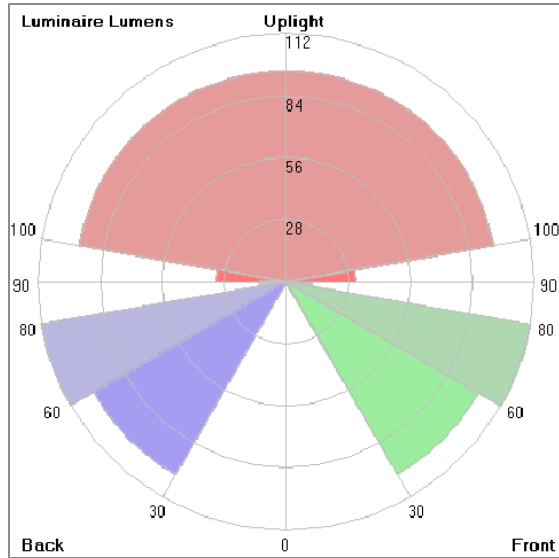
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Bug Report



Lum. Classification System [LCS]

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	0.2	0.0	0.0
FM	[30-60]	100.2	9.7	17.4
FH	[60-80]	112.2	10.9	19.5
FVH	[80-90]	11.8	1.1	2.0
BL	[0-30]	0.2	0.0	0.0
BM	[30-60]	100.2	9.7	17.4
BH	[60-80]	112.2	10.9	19.5
BVH	[80-90]	11.8	1.1	2.0
UL	[90-100]	31.5	3.1	5.5
UH	[100-180]	94.9	9.2	16.5
Total		575.2	55.7	100.0
BUG Rating		B1-U3-G1		

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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-0001-00
Anchor Bolt Kit for Bollard