AGAR

AGAR OPAL - DIRECT LIGHT BOLLARD

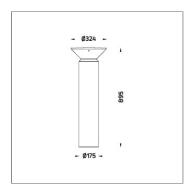
BOLLARDS

LAST UPDATE: 19-02-2024





AGAR a range of wall light and bollard with COB LED which are generally installed in the walk ways, parks and open spaces. The vandal resistant polycarbonate diffuser is available in prismatic or opal option. AGAR spreads the light evenly on walls and surfaces and at the same time provides glare free comfortable light distribution for the architectural environment as well as being an eye—catching object. Three color temperatures with a high CRI makes AGAR suitable for professional lighting application. The bollard height can be customized according to specific requirement. Version with HID lamps and E27 holder for Led retrofit lamps are also available on request. An anchorage unit is available as an accessory.



Technical Data



Ordering Code : 7124-0-4-506-XX

Lamp: LED CCT: 2700 K CRI: CRI >80 SDCM = 3SDCM: Lamp Lumen: 3160 lm Luminaire Lumen : 1000 lm Lamp Wattage: 23 W Luminaire Wattage: 28 W Efficacy: 35 lm/W Ambient Temperature : 50°C

Lumen Maintenance L70B10 >90,000 h

Controller: DIM 1–10V

Input Voltage: 220-240Vac 50/60Hz

Net Weight: 7.12 kg.



Icon definition

online@unilamp.co.th

www.unilamp.co.th



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Specification

IEC Standard IEC 60598-1 General Requirement

IEC 60598-2-1 Fixed Luminaires

Protection IP65 Class II

IK Rating Protection against mechanical impact IKO8 on body and optical part.

Luminaires Body Housing High-pressure Die Cast Aluminium alloy body and components.

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Extruded Aluminium S6063 alloy body with low copper content.

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 Self-extinguishing high impact resistant opal polycarbonate diffuser with UV stabilized additive.

Gasket Post-cured treated silicone gasket. Temperature and weather resistant. 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 in COB technology. Assembled on MCPCB and mounted on to heat conductive material.

Driver High quality Dimmable Driver (1–10V) in constant current. Conform to applicable safety standards and electromagnetic compatibility.

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 5-core cable for power [3x1 sqmm.] and dimming signal [2x0.35 sqmm.].

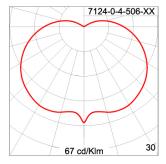
Equipped with anti-humidity kit.

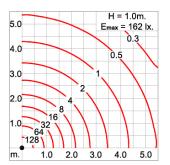
Caution Installation work has to be carried on according to the enclosed installation manual.

Color



Light Distribution





AGAR

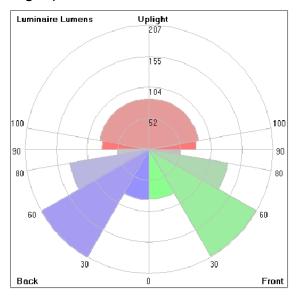
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Bug Report



Lum. Classification System (LCS)				
LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	82.9	2.6	7.5
FM	[30-60]	205.1	6.5	18.4
FH	[60-80]	133.1	4.2	12.0
FVH	[80-90]	52.0	1.6	4.7
BL	[0-30]	83.8	2.7	7.5
ВМ	[30-60]	207.2	6.6	18.6
BH	[60-80]	134.2	4.2	12.1
BVH	[80-90]	52.5	1.7	4.7
UL	[90-100]	77.8	2.5	7.0
UH	[100-180]	83.5	2.6	7.5
Total		1112.1	35.2	100.0
BUG Rating		B1-U3-G1		

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Accessories



Ordering Code:
AUN-CON-0011-00
IP68 Water Tight
Connecting Device 5 Pole,
Cable Diameter 7.1 - 13mm.
[1-10V or Dali]



Ordering Code:
AUN-CON-O012-OO
IP68 Water Tight
Connecting Device with
Distribution block, 5 pole, 1
input, 2 outputs, Cable
Diameter 7.1 – 13mm.
[1–10V or Dali]



Ordering Code:
AUN-CON-0014-00
IP68 Water Tight
Connecting Device 5 Pole,
Cable Diameter 8 12.5mm. [1-10V or DALI]



Ordering Code: AUN-ACB-0001-00 Anchor Bolt Kit for Bollard