AGAR

MINI AGAR OPAL – BOLLARD
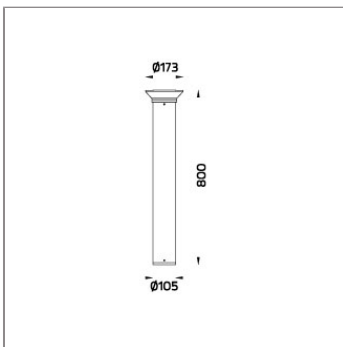
BOLLARDS

Unilamp

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.

Ø173
800
Ø105

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

IK BODY OPTIC   Icon definition

Technical Data

CE | IP65 | IK 08/08 | ⏚ | ⊕

Ordering Code :	7155-0-3-870-XX
Lamp :	LED
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	950 lm
Luminaire Lumen :	180 lm
Lamp Wattage :	10 W
Luminaire Wattage :	10 W
Efficacy :	18 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 :	3.20 kg.

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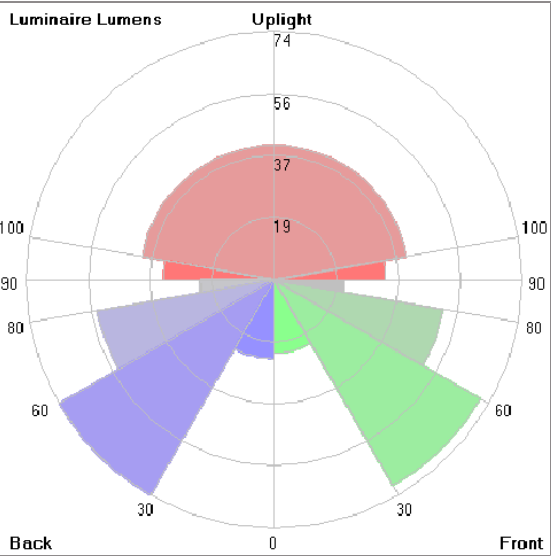**Unilamp**

Specification

IEC Standard	IEC 60598-1 General Requirement
	IEC 60598-2-1 Fixed Luminaires
Protection	IP65 Class I
IK Rating	Protection against mechanical impact IK08 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 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 H05RN-F/ H07RN-F cable with 6-13mm. 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.
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
	Wooden Brown 07

Light Distribution

7155-0-3-870-XX
72 cd/Klm   30

H = 1.0m.
E_{max} = 44 lx.

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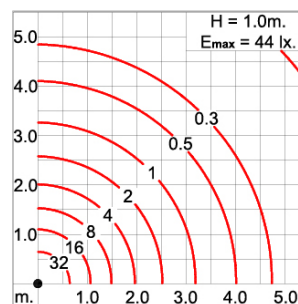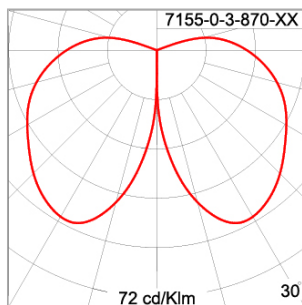
Bug Report

Lum. Classification System [LCS]

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	21.9	2.3	5.3
FM	[30-60]	70.9	7.5	17.2
FH	[60-80]	51.2	5.4	12.5
FVH	[80-90]	21.0	2.2	5.1
BL	[0-30]	23.6	2.5	5.7
BM	[30-60]	74.1	7.8	18.0
BH	[60-80]	53.6	5.6	13.0
BVH	[80-90]	22.1	2.3	5.4
UL	[90-100]	33.0	3.5	8.0
UH	[100-180]	40.0	4.2	9.7
Total		411.4	43.3	100.0
BUG Rating		B0-U2-G1		

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Accessories

Ordering Code:
AUN-ACB-0014-00
Anchor Bolt Kit for Bollard

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.