MACRON

MACRON FLAT

BOLLARD

Unilamp

MACRON is a family of shielded bollard with symmetrical light distribution. It is equipped with the latest generation of COB LED with good color consistency. HID light source and E27 holder for Led retrofit lamps are also available. The clear polycarbonate cover with internal glare suppression louvers improves lighting quality by limiting the upward light emission. It is universally installed in walkways, parks, commercial areas and open spaces. It provides general lighting for the residential areas where light pollution has to be controlled. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.

Technical Data

CE | IP65 | IK 09/10 | ▣
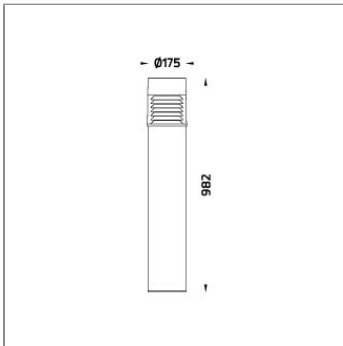
Ordering Code :	7107-0-2-495-XX
Lamp :	Led Retrofit A60
Socket	E27
CCT :	2700-6500 K
Lamp Wattage :	5-9 W
Ambient Temperature :	25°C
Controller :	On-Off
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	5.60 kg.

Ordering code guide

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

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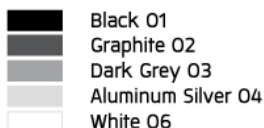B   Reflector
C   Electrical Component
D   Lamp
E   Color

IK BODY/OPTIC   Icon definition

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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 IK09 on body and IK10 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. 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 clear polycarbonate diffuser with UV stabilized additive.
Reflector	Glare shield slanted aluminum louvers.
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.
Lamp Holder	E27 lampholder in ceramic body. VDE/ ENEC approved.
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.
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

7107-0-2-495-XX
53 cd/Klm   30

H = 1.0m.
E_{max} = 31.0 lx.

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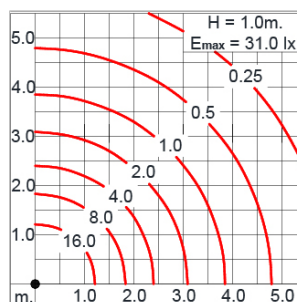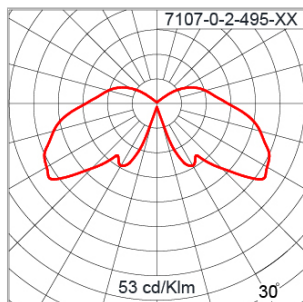
Bug Report
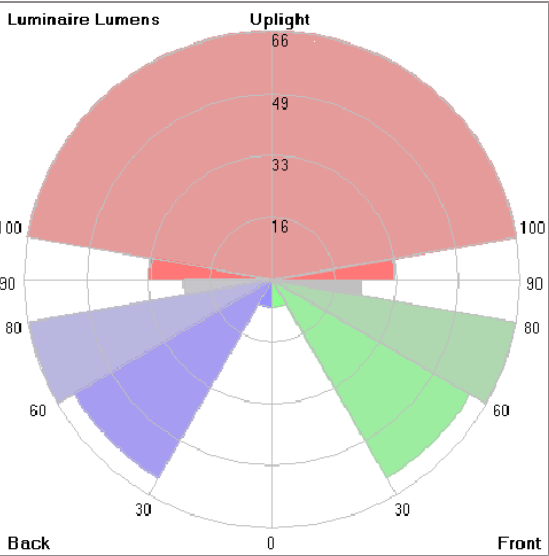
Lum. Classification System [LCS]				
LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	7.3	0.5	1.8
FM	[30-60]	60.7	4.0	14.7
FH	[60-80]	65.6	4.4	15.9
FVH	[80-90]	23.5	1.6	5.7
BL	[0-30]	7.3	0.5	1.8
BM	[30-60]	60.7	4.0	14.7
BH	[60-80]	65.6	4.4	15.9
BVH	[80-90]	23.5	1.6	5.7
UL	[90-100]	32.4	2.2	7.9
UH	[100-180]	66.0	4.4	16.0
Total		412.6	27.6	100.0
BUG Rating		B0-U3-G1		

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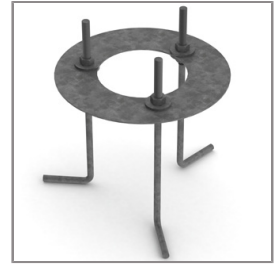## MACRON FLAT

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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-0001-00
Anchor bolt kit, bollard