

# MACRON

## MACRON FLAT

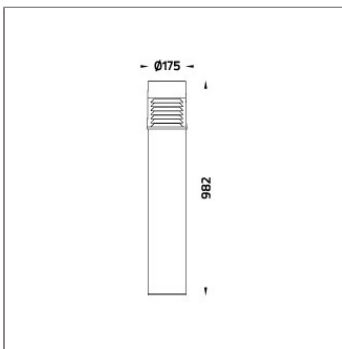
### BOLLARD



LAST UPDATE: 01-04-2026



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



Ordering Code :	7107-0-2-495-XX
Lamp :	Led Retrofit E27
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

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

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


















Icon definition

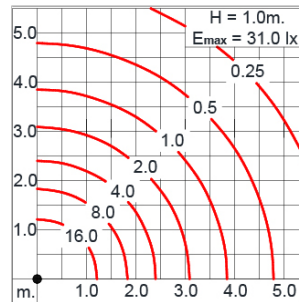
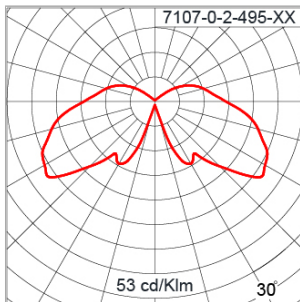
\*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

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### 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 56063 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.										
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	<table border="0"> <tr> <td></td> <td>Black O1</td> </tr> <tr> <td></td> <td>Graphite O2</td> </tr> <tr> <td></td> <td>Dark Grey O3</td> </tr> <tr> <td></td> <td>Aluminum Silver O4</td> </tr> <tr> <td></td> <td>White O6</td> </tr> </table>		Black O1		Graphite O2		Dark Grey O3		Aluminum Silver O4		White O6
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	Graphite O2										
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	Aluminum Silver O4										
	White O6										

### Light Distribution



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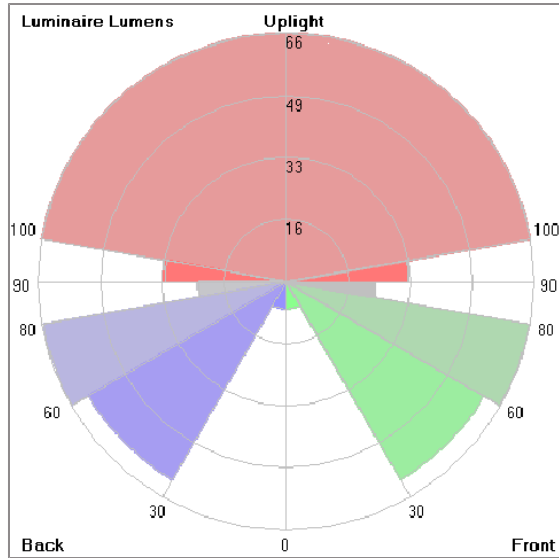
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#### Bug Report



#### 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				BO-U3-G1

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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

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