

MACRON

MACRON FLAT – BOLLARD

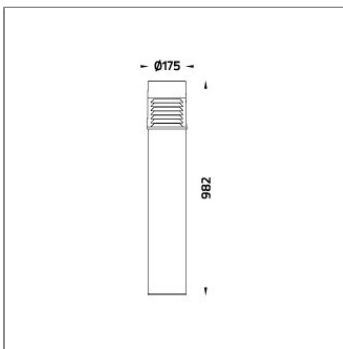
BOLLARD



LAST UPDATE: 15-05-2024



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 :	7107-0-3-785-XX
Lamp :	HIE-CE
Socket :	E27
CCT :	3000-4200 K
Lamp Lumen :	5900 lm
Luminaire Lumen :	5900 lm
Lamp Wattage :	70 W
Luminaire Wattage :	70 W
Ambient Temperature :	25°C
Controller :	On-Off
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	6.60 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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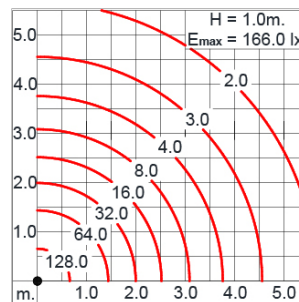
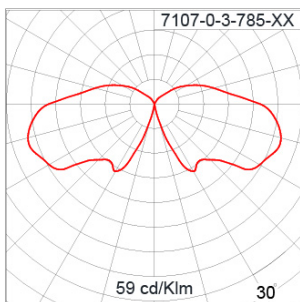


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Specification

IEC Standard	IEC 60598-1 General Requirement IEC 60598-2-1 Fixed Luminaires												
Protection	IP65 Class I												
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.												
Ballast	Electronic ballast for HID lamp. ENEC approved.												
Internal Wire	Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C. HID control gear wired with double insulated silicone cable and compatible to be operated under ignition voltage up to 5KV.												
Terminal Block	Terminal block in GFR PA6.6 for cable with cross section up to 2.5 sqmm. VDE approved. Class1 luminaire provided with the earth connection.												
Caution	Installation work has to be carried on according to the enclosed installation manual.												
Color	<table><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><tr><td></td><td>Wooden Brown O7</td></tr></table>		Black O1		Graphite O2		Dark Grey O3		Aluminum Silver O4		White O6		Wooden Brown O7
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	White O6												
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Light Distribution



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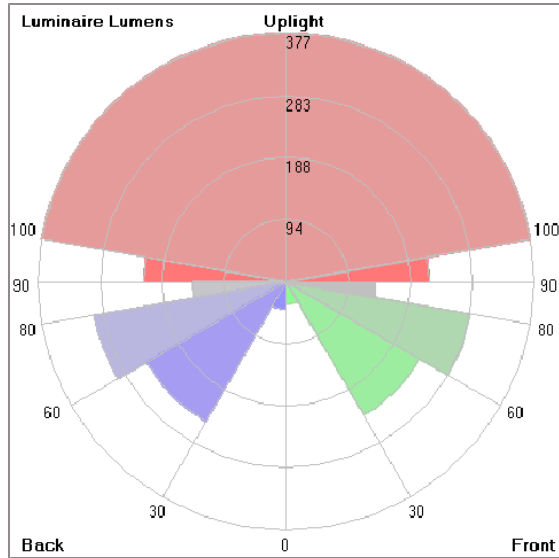
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Bug Report



Lum. Classification System [LCS]

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	34.3	0.6	1.7
FM	[30-60]	233.3	4.0	11.7
FH	[60-80]	283.8	4.8	14.2
FVH	[80-90]	134.8	2.3	6.7
BL	[0-30]	41.9	0.7	2.1
BM	[30-60]	244.5	4.1	12.2
BH	[60-80]	295.2	5.0	14.7
BVH	[80-90]	141.2	2.4	7.1
UL	[90-100]	216.1	3.7	10.8
UH	[100-180]	376.9	6.4	18.8
Total		2002.0	34.0	100.0
BUG Rating		B1-U3-G2		

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Accessories



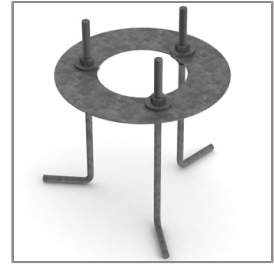
Ordering Code:
AUN-CON-0009-00
IP68 Water Tight
Connecting Device, 3 Pole,
Cable Diameter 5.0 –
9.5mm.



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