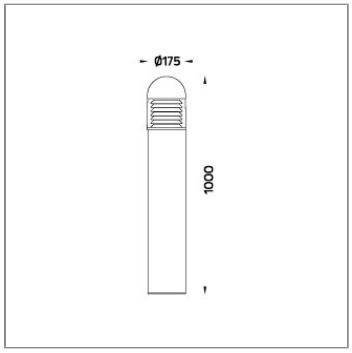
MACRON

MACRON ROUND – 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 :	7108-0-3-436-XX
Lamp :	TC-TEL
Socket	GX24q-4
CCT :	2700-6500 K
Lamp Lumen :	3200 lm
Luminaire Lumen :	3200 lm
Lamp Wattage :	42 W
Luminaire Wattage :	42 W
Ambient Temperature :	25°C
Controller :	On-Off
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	6.10 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

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

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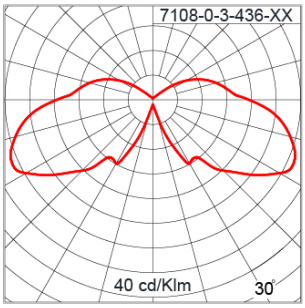
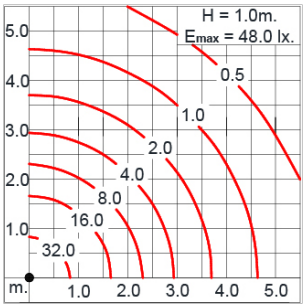
Specification

IEC Standard	IEC 60598-1 General Requirement
	IEC 60598-2-1 Fixed Luminaires
Protection	IP65 Class 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 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 H05RN-F/ H07RN-F cable with 6-13mm. diameter.
Lamp Holder	G24q/ GX24q lampholder in PBT body. IMQ/ ENEC approved.
Ballast	Electronic ballast for fluorescent lamp. 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.
	Class1 luminaire provided with the earth connection.
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





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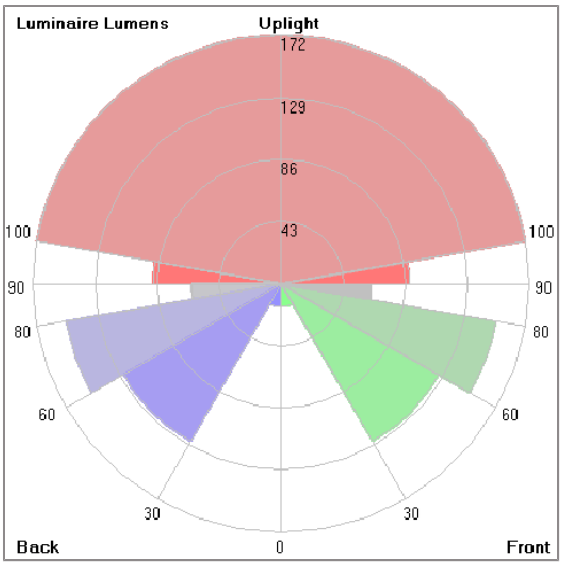
Bug Report



Lum. Classification System (LCS)

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	16.2	0.5	1.7
FM	[30-60]	126.5	4.0	13.0
FH	[60-80]	151.4	4.7	15.5
FVH	[80-90]	62.2	1.9	6.4
BL	[0-30]	16.2	0.5	1.7
BM	[30-60]	126.5	4.0	13.0
BH	[60-80]	151.4	4.7	15.5
BVH	[80-90]	62.2	1.9	6.4
UL	[90-100]	88.9	2.8	9.1
UH	[100-180]	172.3	5.4	17.7
Total		973.8	30.4	100.0
BUG Rating		B1-U3-G1		

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Unilamp

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

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