

Explosion Proof

LED Floodlights Fixture



Atria has been developed as a new LED lighting fixture with the aim of redefining the concepts of compactness, versatility and ease of installation thanks to high intensity and efficiency LED plates. The Atria consists of a lighting fixtures size and represents the LED alternative for all those areas where it was normal to use lighting fixtures with discharge lamps. The body, made of aluminum alloy, is equipped with fins that act as a heat sink allowing a fast and effective dispersion of heat generated by the normal operation of the LED.

The geometric conformation of the cooling fins was also designed with the objective of minimizing the deposit of combustible dust, allowing the self-cleaning of the lighting fixture by air or water present in the environment. Furthermore, thanks to the absence of UV emission, there is no ionization of the air particles around the lighting fixture, an intrinsic characteristic of LED technology which limits the attraction of dust and insects. The design of the lamp body, in addition to being functional to the duration of the system, gives the equipment very high light efficiency. The electrical connection is easier thanks to a 'Ex e' terminal housing which allows the entry with a 'Ex e' cable gland (no barrier). In addition, an opposed plugged hole permits the through wiring connection.

ATRIA

LED lighting fixture

Zone 1, 2, 21, 22

- Replaces traditional discharge lamps
- Saves in energy, maintenance and installation costs
- Instant, bright illumination
- Suitable for GAS category IIC

Connection

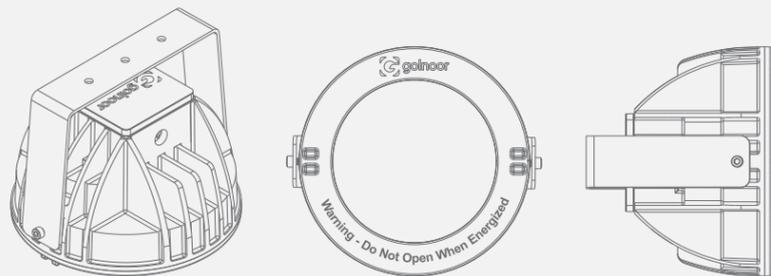
Direct connection to terminal board L, N, Pe.
Section 4mm² or 6mm²,

STANDARDS

CENELEC EN 60079-0: 2018, EN 60079-1: 2014, EN 60079-7: 2015, EN 60079-31: 2014
and EUROPEAN DIRECTIVE 2014/34/UE

- . IEC 60079-0: 2017
- . IEC 60079-1: 2014
- . IEC 60079-28: 2015
- . IEC 60079-31: 2013
- . IEC 60079-7: 2015

FIXTURE SIZES



Food , High bay, Street Lighting fixture

LED lighting fixture

Certification data	Single	Twin
Type	sing 50 - 75 - 100 watt	twin 150 - 200 watt
Application	Food, High bay, Street Lighting fixture	Food, High bay, Street Lighting fixture
Marking	⊕ II 2G Ex db eb iIC T6 Gb ⊕ II 2G Ex db tb iIC T6 Db	⊕ II 2GD Ex de IIC T6 Gb ⊕ tb IIC T85°C Db Ip66
EU-Type Examination Certificate	ECM 23 ATEX 6134 X	ECM 23 ATEX 6134 X
Permissible ambient temperature	-20 °C to 55 °C	-20 °C to 55 °C
Degree of protection	IP66/67	IP66/67
Cable entries	2xM25 or 2xM20	2xM25 or 2xM20
Dimensions	∅ 220x193mm	∅ 440x220x193 mm
Enclosure Color	RAL 7072	RAL 7037
Enclosure material	Copper free aluminum	Copper free aluminum
Protective cover	Borosilicate glass	Borosilicate glass
Type of mounting	Ceiling, Pendant, Pole, Wall	Ceiling, Pendant, Pole, Wall
Power factor	>0.9	>0.9
Voltage	230 V AC	230 V AC
Frequency	50/60 Hz	50/60 Hz
Circuit	Electronic ballast	Electronic ballast

Photometric features

LED Multichip	High power LED
Viewing angle	30-60-90°
Colour temperature	3000-4000-5000
CRI	>70
L70 B50	> 70000 h

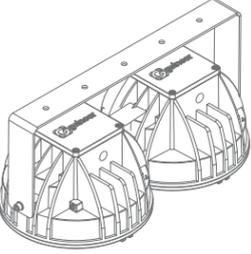
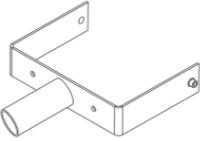
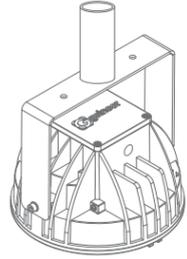
Mechanical features

Body	Low copper content aluminium alloy fitted with cooling fins for better heat dissipation
Glass face	Shock and temperature resistant tempered glass sealed with aluminium ring
Gaskets	Acid, hydrocarbon and high temperature resistant silicone
Supporting bracket	Stainless steel AISI304/ 316L
Bolts and screws	Stainless steel
Entries	2 x ISO M20 entries OR 3x ISO M20
Coating	coating Ral 7037(grey)

Selection	Single	Twin
Type	sing 50 - 75 - 100 watt	twin 150 - 200 watt
temperature	class/max surface temp	surface temp
temperature class	T6/85°C T6/85°C	T6/85°C T6/85°C
Lumen	7000lm-11000lm-15000lm	22000lm-30000lm
Efficiency	136 lm/W	136 lm/W
Weight	8 kg	16 kg
Size	250x250x170 mm	250x250x170 mm
Order code	ATRO0100-00	ATRO0200-00

ACCESSORIES AVAILABLE / SPECIAL REQUESTS

Additional cable gland for unarmoured cable

MOUNTING ACCESSORIES		Supporting bracket	wall or structure mounting OR ceiling mounting	Material: stainless steel AISI 316L/304
		Twin type bracket		
	 	Street Lighting bracket	Poles Mounted	

Note1: wiring between fixtures in twin type will be done by Golnoor Co.

Photometric diagram(polar curve)

On golnoor web site you can download .LDT lighting data files for the design and simulation of lighting levels , rendering and ray tracing.