

WG1 SERIES

LED WELLGLASS

LED EFFICIENCY
UP TO
187 LM/W



 **TECHNOR**
ITALSMEA

A COMPANY OF MARECHAL ELECTRIC

EFFICIENT LIGHTING

The WG1 Series sets a new benchmark for safety, efficiency, and performance in wellglass lighting fixtures designed for Zone 1 and 21 hazardous areas.

Named after stars and entirely engineered and manufactured in Italy, the WG1 range includes four models with progressively higher lumen outputs: Avior, Mira, Naos, and Sirius.

Each fixture is designed to endure extreme temperatures, heavy mechanical stress, and corrosive environments, ensuring long-lasting and reliable operation.

Key differentiation features:

- High LED efficiency (up to 187 lm/W), delivering maximum brightness with minimal energy consumption and reduced CO₂ emissions
- Optimized for long-term energy savings, ensuring consistent performance and lower operating costs
- Integrated upper Ex e junction box for simplified installation, without the need for barrier-type cable glands
- Junction box with terminal strip, loop-in/loop-out facility, and dual entries
- Stainless steel adjustable mounting bracket for robust and flexible positioning
- Multiple mounting options: wall, ceiling, or pole
- Aerodynamic, wind-optimized design with reduced exposed surface
- Optional MARECHAL® certified connector type PNCX for enhanced connection



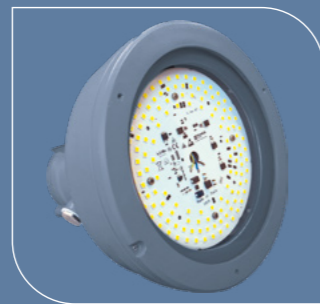
AVIOR



MIRA



NAOS



SIRIUS

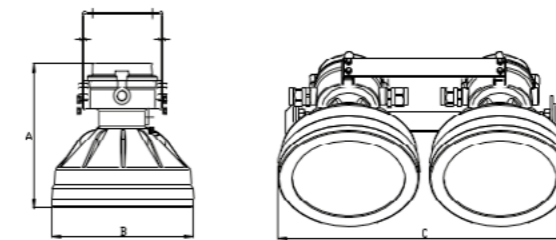
TECHNICAL FEATURES

Marking	II 2 G Ex db eb IIC T6/T5/T4 Gb II 2 D Ex tb IIIC T85°C/ T100°C/135°C Db
Approvals	INERIS 25 ATEX 0015X IECEX INE 25,0026X EAC KG417-039.IT.02,06788
Zones	1, 2, 21, 22
Material	Copper-free aluminium and tempered glass
IP	IP66
Ambient temperature range	-60°C to +60°C
Rated voltage	220 - 240 VAC
Frequency	50 - 60 Hz
Colour rendering Index	70 CRI
Colour temperature	4,000 K and 6,500 K
LED Lifetime (L70) Ta+25°C	> 50,000 h (@Tc85°C)
Power factor	cos φ ≥ 0.98
Surge protection	(L/N) 2 KV (L-N/PE) 8 KV
Hardware and screws	AISI 316L stainless steel
Entries	<ul style="list-style-type: none"> • 2 entries M25 (standard configuration) or MARECHAL® 5 amps PNCX connector upon request • Upon request N° 2 entries M20 or 3/4" NPT
Through wiring	Loop-in/Loop-out

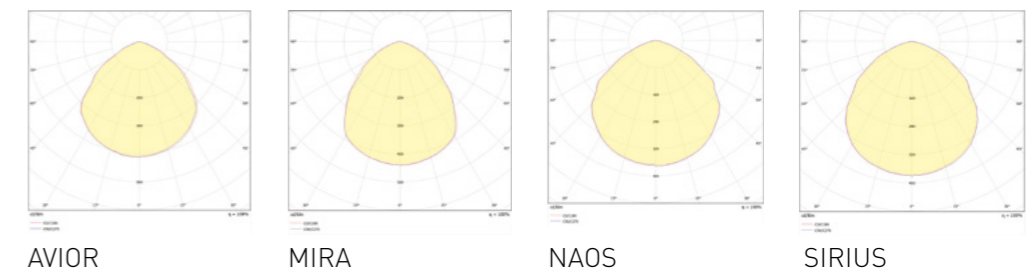


PERFORMANCE DATA

CODE	TYPE	POWER [W]	LUMEN [lm]	LUM.NET [lm]	LED EFF. [lm/W]	COLOUR TEMP. [K]	DIMENSIONS [MM]			WEIGHT [kg]
							A	B	C	
A0302645A0001	AVIOR	23	4,150	2,810	180	6,500	215	165	-	5.40
A0302645A0002						4,000				
A0303645A0001	MIRA	45	8,400	5,290	187	6,500	236	195	-	6.00
A0303645A0002						4,000				
A0304670A0001	NAOS	70	12,972	8,517	185	6,500	231	214	-	5.00
A0304670A0002						4,000				
A0305645A0001	SIRIUS	134	24,150	16,030	180	6,500	290	280	-	10.50
A0305645A0002						4,000				
A03056B8A0001	SIRIUS (2X)	268	48,800	32,000	182	6,500	290	280	581	27.00
A03056B8A0002						4,000				
A03026E2A0001	AVIOR (EM180°)	23	1,800	1,300	180	6,500	457	216	-	9.00
A03026E2A0002						4,000				
A03036E3A0001	MIRA (EM180°)	45	1,800	1,300	187	6,500	475	216	-	9.50
A03036E3A0002						4,000				
A03046E4A0001	NAOS (EM180°)	70	1,800	1,300	185	6,500	482	216	-	9.00
A03046E4A0002						4,000				
A03056E5A0001	SIRIUS (EM180°)	134	1,800	1,300	180	6,500	530	280	-	14.00
A03056E5A0002						4,000				



PHOTOMETRIC LIGHT CURVES



ABOUT US

TECHNOR ITALSMEA designs and manufactures customized explosion-proof solutions designed for use in classified areas with risk of explosion.

Established in 1969, for over 50 years, the company has been specializing in Ex d, Ex de, Ex e, and Ex p certified equipment, suitable for both onshore and offshore applications in the oil & gas, petrochemical, and chemical industries. TECHNOR®'s current portfolio includes LED lighting fixtures, signalling systems, distribution panels, junction boxes, local control stations, plugs, socket-outlets, connectors, and accessories.

Every TECHNOR® solution is engineered and manufactured in Italy and fully tailored to meet specific customer needs. All products comply with ATEX, IECEx, and TR-CU standards, ensuring unmatched safety, reliability, and durability in the most demanding environments.

TECHNOR ITALSMEA is a subsidiary of MARECHAL ELECTRIC, a global leader in low-voltage electrical connections for industrial environments and environments with potentially explosive atmospheres.



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FOR MORE DETAILS



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