

WG1 SERIES LED WELLGLASS



LED EFFICIENCY UP TO 187 LM/W

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

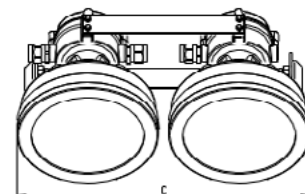
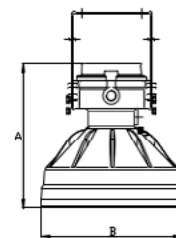


TECHNICAL FEATURES

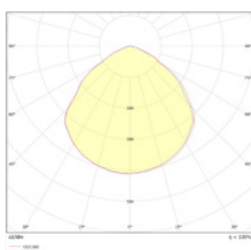
Marking	II 2 G Ex db eb IIC T6/T5/T4 Gb II 2 D Ex tb IIIC T85°C/ T100°C/135°C Db	Colour rendering Index	70 CRI
Approvals	INERIS 25 ATEX 0015X IECEX INE 25.0026X EAC KG417-039.IT.02.06788	Colour temperature	4,000 K and 6,500 K
Zones	1, 2, 21, 22	LED Lifetime (L70) Ta+25°C	> 50,000 h (@Tc85°C)
Material	Copper-free aluminium and tempered glass	Power factor	cos φ ≥ 0.98
IP	IP66	Surge protection	(L/N) 2 KV (L-N/PE) 8 KV
Ambient temperature range	-60°C to +60°C	Hardware and screws	AISI 316L stainless steel
Rated voltage	220 - 240 VAC	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
Frequency	50 - 60 Hz	Through wiring	Loop-in/Loop-out

PERFORMANCE DATA

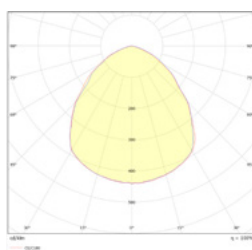
CODE	TYPE	POWER [W]	LUMEN [lm]	LUM. NET [lm]	LED EFF. [lm/W]	COLOUR TEMP. [K]	DIMENSIONS [MM]			WEIGHT [kg]
							A	B	C	
A0302645A0001	AVIOR	23	4,150	2,810	180	6,500	215	165	-	5.40
A0302645A0002						4,000				
A0303645A0001	MIRA	45	8,400	5,290	187	6,500	236	195	-	6.00
A0303645A0002						4,000				
A0304670A0001	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				



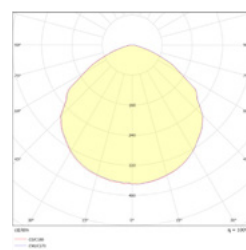
PHOTOMETRIC LIGHT CURVES



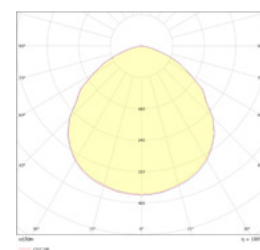
AVIOR



MIRA



NAOS



SIRIUS

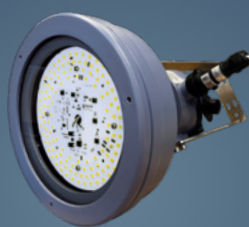
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