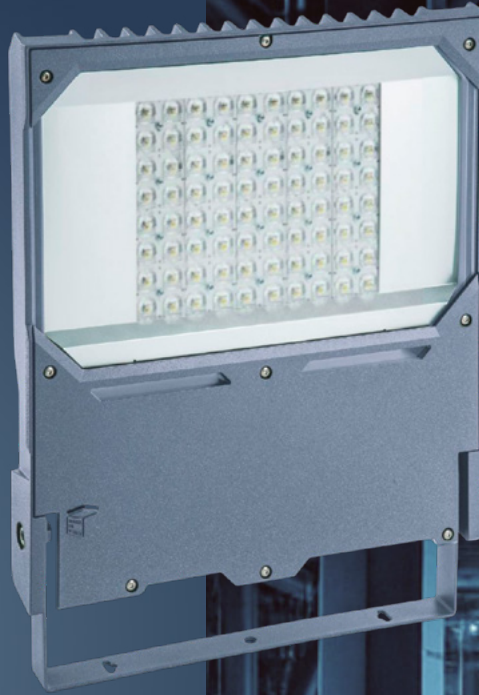


FL2 SERIES

LED FLOODLIGHT



LED EFFICIENCY UP TO 204 LM/W

The FL2 Series sets a new benchmark for safety, efficiency, and performance in floodlight lighting fixtures designed for Zone 2 and 22 hazardous areas.

Named after stars and entirely engineered and manufactured in Italy, the FL2 range includes four models with progressively higher lumen outputs: **Altair**, **Gemma**, **Maia** and **Vega**.

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 204 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
- Loop-in/loop-out facility with dual entry terminal strip
- Multiple mounting options: wall or pole
- Wind-optimized, compact, and lightweight design
- Optional T-type pole adaptor
- Different types of configurations:
 - Asymmetric, for wide side-oriented beams (AS)
 - Symmetric, for uniform circular light (SY)
 - Street, with an elongated distribution for roads and pathways (ST)

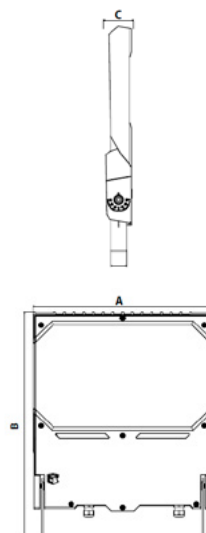


TECHNICAL FEATURES

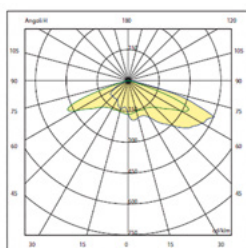
Marking	II 3 G Ex ec IIC T4/T3 Gc II 3 D Ex tc IIIC T85°C Dc	Colour temperature	4,000 K 6,500 K (upon request)
Approvals	FIDI 25 ATEX 0044X IECEX FIDI 25.0016X EAC KG417-039.IT.02.06788	LED Lifetime (L80) Ta+25°C	> 80,000 h according to IES LM-80-08
Zones	2, 22	Power factor	cos φ ≥ 0.98
Material	Copper-free aluminium and tempered glass	Surge protection	(L/N) 6 KV (L-N/PE) 10 KV
IP	IP66	Hardware and screws	Painted steel bracket and AISI 316L stainless steel screw
Ambient temperature range	-40°C to +55°C	Entries	2 entries Ø21 mm suitable for M20 fittings
Rated voltage	120-277 VAC or 110-277 VAC	Through wiring	Loop-in/Loop-out
Frequency	50 - 60 Hz	Accessories upon request	<ul style="list-style-type: none"> • Single seal plastic cable glands • Single seal brass nickel-plated cable glands • Double-sealed brass nickel-plated cable glands
Colour rendering Index	70 CRI		

PERFORMANCE DATA

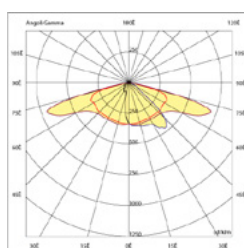
CODE	TYPE	POWER [W]	LUMEN [lm]	LUM. NET [lm]	LED EFF. [lm/W]	DIMENSIONS [MM]			WEIGHT [kg]
						A	B	C	
A51A5123X0001	ALTAIR (AS)	48	9,780	7,240	204	255	418	67	4.66
A52A6123X0001	GEMMA (AS)	90	17,170	12,710	191	255	418	67	5.06
A53A7123X0001	MAIA (AS)	128	26,080	19,300	204	461	582	67	11.06
A54A8123X0001	VEGA (AS)	192	39,120	28,950	204	461	582	67	11.41
A51B5123X0001	ALTAIR (ST)	48	9,780	7,240	204	255	418	67	4.66
A52B6123X0001	GEMMA (ST)	90	17,170	12,710	191	255	418	67	5.06
A53B7123X0001	MAIA (ST)	128	26,080	19,300	204	461	582	67	11.06
A54B8123X0001	VEGA (ST)	192	39,120	28,950	204	461	582	67	11.41
A51C5123X0001	ALTAIR (SY)	48	9,780	7,240	204	255	418	67	4.66
A52C6123X0001	GEMMA (SY)	90	17,170	12,710	191	255	418	67	5.06
A53C7123X0001	MAIA (SY)	128	26,080	19,300	204	461	582	67	11.06
A54C8123X0001	VEGA (SY)	192	39,120	28,950	204	461	582	67	11.41



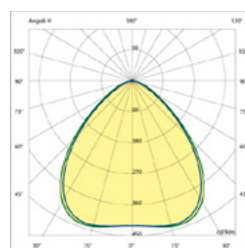
PHOTOMETRIC LIGHT CURVES



ASYMMETRIC (AS)
ALTAIR/GEMMA/
MAIA/VEGA



STREET (ST)
ALTAIR/GEMMA/
MAIA/VEGA



SYMMETRIC (SY)
ALTAIR/GEMMA/
MAIA/VEGA

FOR MORE
DETAILS



technor.com

+39 02 9500151
sales@italsmea.com

Connect with us on



TECHNOR
ITALSMEA

A COMPANY OF MARECHAL ELECTRIC