

PRODUCT DATA SHEET

FL 1500 XT268M

RobLight

99102202
02-02-2026
Rev. 1

PRODUCT LIST

Model	Item No.
3000K	01460058
4000K	01460068
Tunable White DMX	01460849
RGBW DMX	01460888
ACCESSORIES	
DMX Controller	01600302
Casambi Controller	80000031

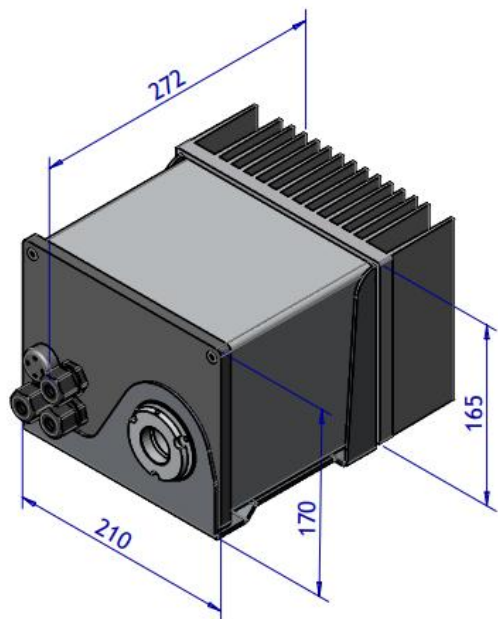


High-Power Waterproof Light Generator for Outdoor and Fiber Optic Applications

The FL 1500 XT268M Series is a premium, high-power light generator featuring an IP68-rated enclosure, engineered for outdoor and demanding environments. Designed to deliver enhanced high-lumen output, it offers exceptional performance, durability, and long-term reliability in challenging conditions. Optimized for compatibility with PMMA and glass fiber optic lighting systems, the series provides precise and dependable illumination for a wide range of professional applications.

The FL 1500 XT268M supports smooth, flicker-free dimming and offers extensive control flexibility through 0/1-10 V, PWM, DMX, DALI/DALI-2, D4i, Casambi, and potentiometer interfaces, ensuring seamless integration with modern lighting control systems. With a high Colour Rendering Index (CRI), it delivers excellent light quality, accurate color reproduction, and optimal visual comfort.

Available in Warm White, Neutral White, Cool White, Tunable White, and RGBW, with custom configurations available upon request, the series features a wall-mounted design, energy-efficient operation, and robust construction, making the FL 1500 XT268M Series a powerful, versatile, and reliable solution for demanding professional lighting installations.



KEY FEATURES

- Designed for outdoor applications
- IP68-rated waterproof enclosure for outdoor and demanding environments, available upon request for operation at water depths of up to 10 meters.
- Compatible with PMMA and glass fiber optic lighting
- High performance with enhanced lumen output
- Smooth dimming with multiple dimming options available
- Flicker-free operation with a High Colour Rendering Index (CRI)
- Wall-mounted installation
- Optional glass colour correction filters
- Available in Warm White, Neutral White, Cool White, Tunable White, and RGBW
- Remote driver with a range of up to 30 meters



TECHNICAL SPECIFICATION

Specification	White	Tunable White	RGBW
Port Connector Size	Ø30 mm standard port (Up to Ø28 mm fibre core diameter) ⁽¹⁾		
Fibre Type	PMMA / Glass		
Material	Black Hard Anodized Aluminium		
Mains Supply Voltage	100-277V / 50-60Hz	120-277V / 50-60Hz	
Total Power Consumption	105 W		
LED Power Consumption	100 W	Up to 100 W	
LED Lifetime	> 60,000 hours (L80)	≥ 50,000 hours (L70)	
LED Driver Lifetime	> 100,000hours (80% load Tc 70°C)	≥ 100,000 hours (@ Tc 65°C)	
Control System	0/1-10V (DMX, DALI/DALI-2, D4i, PWM, and Casambi upon request)	DMX (DALI and Casambi available upon request)	
Thermal Protection	Automatic resettable ⁽²⁾	NTC Thermistor ⁽³⁾	
Protection Rating	IP68 (External LED Driver rated IP67 / IP66) ⁽⁴⁾		
Cooling System	Natural Convection		
Ambient Temperature	-10°C to 50°C		
Applied LED	Nichia	Special Design	
CCT (Nominal)	3000K/4000K (Others on request)	2500K – 5700K	RGBW (White 4000K)
CRI (Ra) Typical Value	93	> 95	≥ 90
Weight	8.3 kg		

- 1) The port connector size has an inner diameter of up to Ø28 mm to accommodate the raw fiber and an overall outer diameter of Ø30 mm.
- 2) Shuts off during overheating and automatically restarts once cooled to a safe temperature.
- 3) An NTC thermistor on the LED COB reduces the output by 75% if temperatures exceed the threshold, resetting automatically once safe levels are reached.
- 4) The external LED driver is rated IP66 for the Tunable White and RGBW models, and IP67 for the White light modes.

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