

PRODUCT DATA SHEET

FL 950 B-2 DMX RGBW

RobLight

99102196
24-09-2025
Rev. 2

PRODUCT INFO

Model	Item No.
RGBW	01450888
Accessory	
DMX Controller	01600302
Casambi Controller	80000031

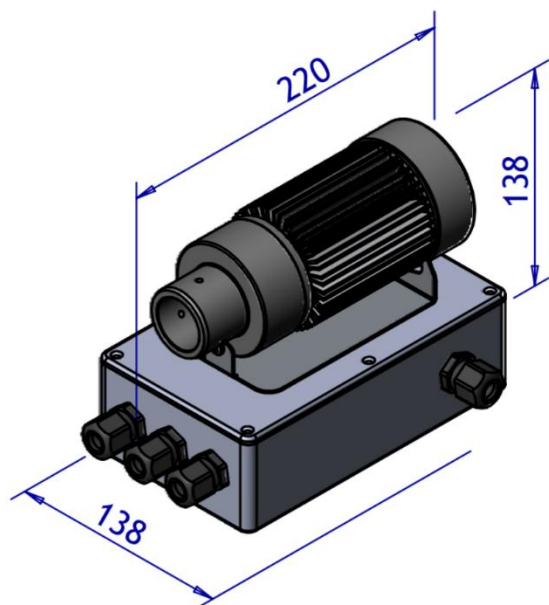


High-Performance RGBW Light Generator – Redefining Illumination with Precision and Elegance for Indoor and Fiber Optic Applications

Experience the pinnacle of indoor illumination with the FL 950 B-2 DMX RGBW—a high-performance light generator designed to redefine interior lighting. Engineered for PMMA and glass fiber optic systems, it delivers flicker-free, high-CRI light that ensures exceptional color fidelity and enduring reliability.

Transform ordinary spaces into extraordinary experiences. From showcases and niches to sauna lighting and mesmerizing starry sky effects, the FL 950 B-2 DMX RGBW brings every design vision to life. With over 16 million colors, every ambiance can be perfectly curated, offering unparalleled flexibility in mood and atmosphere creation.

Delivering smooth, uniform illumination, the FL 950 B-2 DMX RGBW enhances aesthetic appeal with precision and elegance, elevating every detail of your space. The unit is fully DMX-compatible, with Casambi and DALI available on request, providing versatile, modern options for the most sophisticated lighting installations.



KEY FEATURES

- Designed for indoor environments and dry locations
- Compatible with PMMA and glass fiber optic lighting
- Supports 16 million colours for dynamic lighting effects
- Consistent, uniform illumination with precise colour mixing
- High performance with an enhanced high-lumen output
- Smooth dimming capability with DMX control
- Flicker-free operation with a High Colour Rendering Index (CRI)
- External LED Driver
- Available in Tunable White



TECHNICAL SPECIFICATION

Specification	RGBW
Port Connector Size	Ø30 mm standard port (Up to Ø28 mm fibre core diameter) ⁽¹⁾
Fibre Type	PMMA / Glass
Material	Black Anodized Aluminium
Mains Supply Voltage	120-250V / 50-60Hz
Total Power Consumption	52 W
LED Power Consumption	Up to 50 W
LED Lifetime (L70)	≥ 50,000 hours
LED Driver Lifetime	≥ 100,000 hours (@ Tc 65°C)
Dimmer System	DMX (DALI and Casambi available upon request)
Thermal Protection	NTC Thermistor ⁽²⁾
Protection Rating	IP20
Cooling System	Active Fan Cooling
Cooling system lifetime	70,000 hours at 40°C
Fan Noise Level	≤ 15 dB
Ambient Temperature	-10°C to 40°C
Applied LED	Special Design
CCT (Nominal)	RGBW (White 4000K)
CRI (Ra) Typical Value	> 90 (White)
Weight	1.2 kg

1) The connector size has an inner diameter up to 28 mm to accommodate the raw fiber and an overall outer diameter of 30 mm.

2) An NTC thermistor on the LED COB reduces the output by 75% if temperatures exceed the threshold, resetting automatically once safe levels are reached.

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