

LASER-10FB4

10-Watt Full-Color
RGB Laser Projector

VAL lighting

Technologie Die Verbindet



OVERVIEW

The VAL LASER-10FB4 is a professional 10-watt full-color RGB laser projector built for large venues, touring productions, and high-impact visual shows. Equipped with a powerful semiconductor laser engine and integrated FB4 control platform, it offers seamless Ethernet, ILDA, Art-Net, DMX, and SD-card operation. A precision 35 Kpps high-speed scanning system and analog modulation ensure smooth gradients, sharp graphics, and vibrant colors. Designed with a robust metal chassis and active cooling, the VAL LASER-10FB4 delivers exceptional reliability and performance in demanding environments.

KEY FEATURES

- True full-color 10 W RGB output (2.5 W R / 3 W G / 5 W B)
- Integrated FB4 control for network-based operation (Ethernet / ILDA / DMX / Art-Net / SD)
- High-speed 35 Kpps scanning system with $\pm 20^\circ$ optical angle
- Analog modulation for precise and vivid color blending
- Multi-mode operation: FB4, ILDA, DMX512, Sound, Auto, Master-Slave
- Fan-assisted thermal cooling for consistent long-term use
- Ideal for touring, large stages, and multi-media installations

APPLICATIONS

- Concerts and stage productions
- Touring and rental systems
- Nightclubs and entertainment venues
- Multimedia and architectural shows
- Laser mapping and visual installations

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SPECIFICATIONS

Model	LASER-10FB4
Voltage	AC 90 – 240 V 50/60 Hz
Total Power Consumption	200 W
Laser Source	Semiconductor RGB laser generator
Laser Power Output	R 2500 mW @ 638 nm / G 3000 mW @ 520 nm / B 5000 mW @ 445 nm
Modulation Type	Analog
Scanning System	35 Kpps high-speed motor
Scanning Angle	±20°
Control Modes	FB4 (Ethernet/Art-Net/SD/DMX512/ILDA)
Control Channels (DMX)	19 CH
Linear Distortion	< 2 %
Cooling System	Fan-cooled
Working Environment	Indoor
Carton Size	33 × 31 × 44 cm
Net Weight	10 kg
Gross Weight	11 kg