

LASER-20FB4

20-Watt Full-Color
RGB Laser Projector

VAL lighting

Technologie Die Verbindet



OVERVIEW

The VAL LASER-20FB4 is a high-power 20-watt full-color RGB laser projector engineered for spectacular large-scale shows, outdoor events, and permanent installations. Powered by a precision multi-wavelength semiconductor laser engine and integrated FB4 control platform, it supports ILDA, Art-Net, DMX, Ethernet, and standalone playback. The 45 Kpps galvanometer scanning system ensures smooth and detailed beam rendering, while its internal memory can store and replay over 500 preloaded animation effects. Built with professional-grade cooling and a rugged enclosure, the VAL LASER-20FB4 delivers exceptional brightness, control flexibility, and long-term reliability — making it ideal for world-class light shows and immersive visual environments.

KEY FEATURES

- True full-color 20 W RGB laser output
- Integrated FB4 control with Ethernet /
- Art-Net / DMX512 / ILDA / SD playback
- 45 Kpps high-speed scanning for ultra-smooth beam motion and graphics
- Internal memory with 500+ animation and beam effects
- Full analog modulation for precise color blending
- Multi-mode control: FB4, ILDA, DMX512, Sound, Auto, Master-Slave
- Forced fan cooling ensures consistent performance
- Designed for large-scale outdoor shows and professional installations

APPLICATIONS

- Large-scale concerts and festivals
- Outdoor projection and building mapping
- Touring and rental productions
- Theme parks and visual attractions
- High-power multimedia and architectural shows

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SPECIFICATIONS

| | |
|-------------------------|---|
| Model | LASER-20FB4 |
| Power Supply | AC 90 – 240 V, 50/60 Hz |
| Rated Power Consumption | < 500 W |
| Laser Source | Semiconductor RGB laser generator |
| Laser Output Power | 20 W (R/G/B full-color) |
| Wavelengths | R: 635–655 nm / G: 532 nm / B: 450 nm |
| Laser Color | Full color (RGB) |
| Modulation Type | Analog |
| Scanning System | 45 Kpps high-speed galvanometer |
| Control Modes | FB4 (Ethernet / ILDA / Art-Net / DMX512 / SD / Auto / Sound / Master-Slave) |
| Control Channels (DMX) | 19 channels |
| Cooling System | Forced fan cooling |
| Program Effects | 500+ built-in beam, animation, and graphic effects |
| Programming | Supports custom beam and animation programming |
| Working Environment | Indoor/Outdoor professional applications |
| Weight | 22 kg |

