PL-MB-10

Overview

The PL-MB-10 Moving Head Bar is a powerful 10×40W RGBW linear fixture designed for high-end stage, touring, and broadcast applications. With exceptional color accuracy (CRI 96), tight 3.8° beam output, smooth dimming, flicker-free performance up to 25kHz PWM, and robust movement capability, it delivers precise aerial effects and dynamic visual textures for any professional lighting environment. Its long LED lifetime, stable color consistency, and advanced DMX control modes make it an ideal choice for concerts, TV studios, events, and fixed installations.

Feature

- 10×40W High-Power RGBW LEDs for intense output and saturated colors
- High CRI ≥ 96 for premium color fidelity in cameras and live performance
- CCT Consistency ±100K ensuring uniform color across multiple units
- Narrow 3.8° beam angle for sharp aerial effects
- Wide tilt range 0°–245° for dynamic movement
- Flicker-free operation (PWM ≥ 2kHz – 25kHz) optimized for TV and film
- Smooth 1–100% linear dimming
- Dual DMX modes (11 / 47 channels) with master/slave & auto programs
- Long LED lifetime ≥ 50,000 hours
- High reliability with MTBF ≥ 20,000 hours
- Compact, lightweight linear housing for easy rigging

Product Specification

Item	Specification
LED Type	10 pcs × 40W RGBW 4-in-1 LEDs
Color Rendering Index	CRI ≥ 96
CCT Consistency	±100K
PWM Frequency	2kHz – 25kHz (flicker-free)
Beam Angle	3.8°
LED Lifetime	≥ 50,000 hours
MTBF	≥ 20,000 hours
Dimmer	1–100% linear electronic dimming
Strobe	High-speed electronic strobe
Optics	High-precision beam lens system
Tilt Range	0° – 245°
Tilt Resolution	16-bit fine control

Item	Specification
Protocol	DMX512 / 1990 Standard
Control Modes	DMX / Auto / Master-Slave
DMX Channels	11 CH / 47 CH
Display	Digital LED display
Input Voltage	AC 100–240V, 50/60Hz
Power Consumption	400W
Power Connection	Standard PowerCon In/Out
Housing	High-strength aluminum
IP Rating	IP20
Cooling System	Intelligent air-cooling system
Dimensions (L×W×H)/Weight	1100 × 90 × 230 mm x 13.6 kg



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