

PL-M-19E-QUAD

Overview

The PL-M-19E-QUAD 19×40W RGBW LED Moving Head is a high-performance professional lighting fixture designed for stage, theater, broadcast, and large-scale event applications. Featuring 19 high-power 40W RGBW LEDs combined with an additional LED strip for pixel effects, the fixture delivers exceptional brightness, color mixing, and dynamic visual performance.

With a wide motorized zoom range of 4°–60°, advanced pixel mapping capability, and smooth 16-bit dimming, the PL-M-19E-QUAD ensures precise beam control and creative flexibility. Enhanced with flicker-free PWM technology and high color rendering performance (CRI ≥96), it is fully suitable for camera and broadcast environments.

Its robust construction, intelligent control system, and versatile DMX channel modes make it an ideal solution for professional lighting designers seeking reliability, performance, and visual impact.

Feature

- 19 × 40W high-power RGBW LEDs for intense output and rich color mixing
- Integrated LED strip (74 × 5050 RGB) for advanced pixel effects
- Wide motorized zoom range 4°–60° for beam to wash versatility
- High CRI ≥96 for accurate color reproduction (broadcast-ready)
- Flicker-free operation (PWM ≥2kHz – 25kHz) for camera applications
- 16-bit smooth dimming (0–100%) with precise control
- Advanced pixel mapping capability for creative lighting design
- Dual color modes: RGBW and CMY simulation
- Fast electronic strobe (1–25 fps)
- Pan/Tilt 16-bit resolution for smooth movement
- Multiple DMX channel modes (22 / 26 / 36 / 78CH)
- Graphic LCD display for easy operation
- PowerCon in/out and DMX 3-pin connectivity
- Durable construction for professional touring and installation



PL-M-19E-QUAD

▶ Product Specification

Items	Details
Fixture Type	LED Moving Head Wash
Light Source	19 × 40W RGBW 4-in-1 LEDs + 74 × 5050 RGB LEDs
LED Lifetime	≥ 50,000 hours
MTBF	≥ 20,000 hours
Color System	RGBW color mixing + CMY simulation
Color Temperature	2500K – 9000K
CRI	≥ 96
Zoom Angle	4° – 60° motorized zoom
Dimmer	0–100% smooth linear dimming
Strobe	1–25 fps electronic strobe
Flicker-Free	PWM ≥ 2kHz – 25kHz (suitable for broadcast)
Effects	Pixel mapping, LED ring effect

Items	Details
Pan/Tilt	540° / 270°, 16-bit resolution
Control Protocol	DMX512 (1990 standard)
DMX Channels	22 / 26 / 36 / 78 CH
Display	Graphic LCD backlit display
Connectivity	DMX 3-pin XLR In/Out, PowerCon In/Out
Power Supply	AC 90–260V, 50/60Hz (auto sensing)
Power Consumption	≤ 850W
IP Rating	IP20
Housing	Professional stage-grade housing
Dimensions	490 × 470 × 390 mm
Weight	18.7 kg