

PL-MN-12QUAD

Overview

The 12x40W LED Moving Head is a high-performance lighting fixture engineered for professional stage, event, and architectural applications. Equipped with 12 powerful 40W RGBW (4-in-1) LEDs, it delivers vibrant color mixing, smooth dimming, and dynamic beam effects. The wide motorized zoom range (5°–55°) allows seamless transitions from sharp beams to broad washes, making it highly versatile for different lighting designs.

With flicker-free operation (high-frequency PWM) and 16-bit dimming and movement control, this fixture ensures precise performance suitable for live events, broadcast environments, and demanding stage productions. Its robust construction, multiple DMX channel modes, and flexible control options make it a reliable choice for lighting professionals.

Product Specification

Items	Details
Product Type	12x40W LED Moving Head
Power Supply	AC100–240V, 50/60Hz
Power Consumption	500W
Light Source	12 × 40W RGBW (4-in-1) LEDs
LED Lifetime	50,000 hours
MTBF	≥20,000 hours
Zoom Range	5° – 55°
Dimmer	0–100% linear, 16-bit resolution
Flicker-free	PWM ≥2kHz–25kHz
Strobe	0–20 FPS
Control Mode	DMX512, Automatic, Master/Slave
DMX Channels	18 / 24 / 68
Pan/Tilt	16-bit resolution

Feature

- 12 × 40W RGBW (4-in-1) LEDs for rich color mixing and high brightness
 - Motorized zoom 5°–55° for beam-to-wash versatility
 - 0–100% linear dimming with 16-bit resolution for smooth fades
 - Flicker-free operation (PWM ≥2kHz–25kHz) ideal for camera use
 - Fast strobe effect (0–20 FPS) for dynamic stage visuals
 - High precision 16-bit Pan/Tilt movement for accurate positioning
 - Multiple DMX channel modes (18 / 24 / 68) for flexible control setups
 - Supports DMX512, Auto, and Master/Slave modes
 - Durable design with long LED lifetime (50,000 hours)
- Suitable for concerts, stages, theaters, clubs, and event productions.

