

# 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	Items	Details
Product Type	12x40W LED Moving Head	Display	Digital display
Power Supply	AC100–240V, 50/60Hz	Connectivity	3-pin & 5-pin DMX In/Out
Power Consumption	500W	IP Rating	IP20
Light Source	12 × 40W RGBW (4-in-1) LEDs	Dimensions	38 × 27 × 42 cm
LED Lifetime	50,000 hours	Weight	14 kg
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.

