

# PL-M-400PM

## ► Overview

The 400W LED Moving Head is a next-generation professional lighting solution engineered to deliver exceptional performance across stage, broadcast, and architectural applications. Powered by a high-output 400W white LED engine, the fixture produces intense brightness with outstanding beam uniformity and long-term operational stability.

At its core, the fixture integrates a fully featured CMY + CTO color mixing system, delivering seamless color transitions and precise white balance control. Combined with dual color wheels, a high-precision 4-blade framing system, and a versatile effects engine, it enables lighting designers to shape, cut, and refine beams with absolute accuracy.

The advanced optical system, paired with motorized high-definition focus, frost diffusion, and adjustable iris, allows smooth transitions from sharp aerial effects to soft wash coverage. With 16-bit pan/tilt precision, high-speed strobe, and flicker-free operation, the unit ensures flawless performance in both live productions and camera-critical environments.

Built with a robust thermal management system and intelligent protection features, the 400W LED Moving Head offers reliability, flexibility, and creative freedom—making it an ideal choice for demanding professional lighting applications.

## ► Feature

- 400W High-Output LED Engine delivering powerful, punchy beams with excellent uniformity
- Advanced CMY + CTO Color Mixing for smooth transitions and precise color temperature control
- Dual Color Wheel System with half-color and dynamic rainbow effects
- Precision Framing System (4 Blades) with 150° rotation for accurate beam shaping
- High-Definition Optical System ensuring sharp projection and edge clarity
- Motorized Focus System for ultra-precise beam control from near to far projection
- Integrated Frost Filter for seamless transition from beam to soft wash
- Variable Iris System (5%–100%) for dynamic beam aperture control
- High-Speed Strobe Engine with variable, random and pulse effects
- 16-bit Pan/Tilt Movement with smooth, fast and precise positioning
- Flicker-Free Operation optimized for broadcast and camera environments
- Intelligent Thermal Management System ensuring stability and long-term reliability.



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## Product Specification

Specification	Details	Specification	Details
Loại	Đèn Moving Head LED 400W	CTO	3000K–6500K
Nguồn điện	AC 100–240V, 50/60Hz	Bánh màu 1	4 màu + trắng
Công suất	430W	Bánh màu 2	4 màu + hiệu ứng cầu vồng
Nguồn sáng	LED trắng 400W	Gobo xoay	6 gobo + hiệu ứng nước
Tuổi thọ LED	≥ 20,000 giờ	Hiệu ứng gobo	Rung, định vị
MTBF	≥ 20,000 giờ	Framing	Hệ thống cắt hình 4 lá điều khiển độc lập
Độ đồng đều beam	≥ 90%	Focus	Điện tử
Nhiệt độ màu	7000K – 7500K	Frost	Có
CRI	≥ 80	Iris	5%–100%
Dimmer	0–100% (16-bit)	Kênh DMX	31
Không nhấp nháy	PWM ≥ 2kHz – 25kHz	Pan	540°
Strobe	1–25 Hz	Tilt	270°
Hệ màu	CMY	IP	IP20
		Kích thước	38.5 × 28 × 70 cm
		Trọng lượng	25.5 kg