

PL-M-700PM

► Overview

The PL-M-700PM 700W LED Moving Head is a high-performance professional lighting fixture engineered for large-scale stage productions, theatres, concerts, and broadcast environments. Powered by a 700W high-output white LED module, it delivers exceptional brightness, deep beam penetration, and stable color consistency across a wide range of applications.

Featuring a versatile 3°–40° motorized zoom system, the fixture seamlessly transitions from tight beam effects to wide spot projections. The advanced CMY color mixing system with CTO correction, combined with dual color wheels and dual gobo wheels, enables a rich palette of colors and dynamic visual effects.

Designed for precision and flexibility, the unit integrates a professional 4-blade framing system, dual rotating prisms, and an adjustable iris for accurate beam shaping. With 16-bit dimming and pan/tilt control, high-speed strobe, and flicker-free performance, the PL-M-700 PM ensures smooth operation and is fully suitable for camera and broadcast use.

► Feature

- High-output 700W white LED engine for superior brightness
- Wide zoom range 3°–40° (Beam to Spot versatility)
- Advanced CMY + CTO color mixing system
- Dual color wheels with half-color and rainbow effects
- Dual gobo system with rotating and static gobos
- Professional 4-blade framing system (150° rotation)
- Dual prism system (3-facet & 8-facet) with stacking capability
- Motorized high-definition focus (2m to infinity)
- Adjustable iris (5%–100%) for precise beam control
- High-speed strobe (1–25 Hz) with random and pulse effects
- 16-bit smooth dimming and pan/tilt movement
- Flicker-free operation for broadcast and filming
- Intelligent cooling system with thermal protection



PL-M-700PM



Product Specification

Specification	Details
Type	700W LED Moving Head
Power Supply	AC 100–240V, 50/60Hz (Auto sensing)
Power Consumption	500W
Light Source	700W high-power white LED module
LED Lifetime	≥ 20,000 hours
MTBF	≥ 20,000 hours
Color Temperature	7300K
CRI	≥ 80
Zoom Range	3°–40°
Focus	Motorized HD focus (2m – ∞)
Dimmer	0–100% linear (16-bit)
Flicker-free	PWM ≥ 2kHz – 25kHz
Strobe	1–25 flashes/sec (random & pulse modes)
Color System	CMY color mixing
CTO	3000K–6500K linear adjustment
Color Wheel 1	4 colors + white
Color Wheel 2	4 colors + white, rainbow effect
Static Gobo Wheel	11 gobos + flame effect + open

Specification	Details
Rotating Gobo Wheel	6 gobos + water effect
Gobo Effects	Shake, indexing, bidirectional rotation
Prism System	Dual prism (3-facet & 8-facet), rotatable & stackable
Framing System	4 blades, rotatable 150°
Iris	5%–100% adjustable
Control Mode	DMX512 / Auto / Master-Slave
DMX Channels	35 CH
Control Protocol	DMX512 (1990 standard)
Pan	540° (16-bit)
Tilt	270° (16-bit)
Cooling System	Intelligent axial fan
Protection	Overheat protection, auto power-off
Housing	High temperature resistant material
Working Temperature	-20°C to +40°C
IP Rating	IP20
DMX Connection	3-pin XLR IN/OUT
Dimensions (L×W×H)	38.5 × 28 × 70 cm
Weight	25.5 kg

