

PL-M-400BSW

► Overview

The PL-M-400BSW 400W LED Hybrid Moving Head is a high-performance lighting fixture engineered for professional stage, broadcast, and event applications. Powered by a 400W high-output white LED engine, it delivers exceptional brightness, stable color output, and long operational lifespan.

Featuring a versatile hybrid optical system, the fixture supports beam, spot, and wash effects with smooth zoom and precise motorized focus. The advanced CMY + CTO color mixing system, combined with dual gobo wheels and dual prism effects, enables a wide range of dynamic and creative lighting designs.

With flicker-free operation, high-speed strobe, and 16-bit smooth pan/tilt movement, the PL-M-400BSW ensures reliable performance for both live shows and camera applications. Full support for DMX512 and RDM protocols allows flexible control and easy integration into professional lighting systems.

► Feature

- 400W high-power white LED engine, high brightness output
- Hybrid function: Beam / Spot / Wash in one fixture
- CMY + CTO color mixing for smooth and precise color control
- Motorized zoom (4°–50°) and long-range electronic focus (4–50m)
- Dual gobo system: rotating + static gobos
- Dual prism system (6-facet & 8-facet) with bidirectional rotation
- Frost filter for soft wash effect
- High-speed strobe with variable effects and macro
- 16-bit smooth dimming and pan/tilt movement
- Flicker-free operation (ideal for broadcast and filming)
- DMX512 + RDM control with multiple channel modes
- Intelligent cooling system with overheat protection.



PL-M-400BSW

▶ Product Specification

Specification	Details
Model	PL-M-400BSW
Type	400W LED Hybrid Moving Head (Beam/Spot/Wash)
Power Supply	AC 90–240V, 50/60Hz
Power Consumption	430W
Light Source	400W high-output white LED engine
LED Lifetime	≥ 50,000 hours
MTBF	≥ 20,000 hours
Luminous Output	120,000 lux @ 5m
Color Temperature	7000K – 8000K
CRI	≥ 85
Beam Angle	0°–7°
Spot Zoom	4°–35°
Wash Zoom	10°–50°
Focus	Motorized (4m – 50m)
Frost	Independent frost filter
Dimmer	0–100% linear
Flicker-free	PWM ≥ 2kHz – 25kHz
Strobe	0–30 flashes/sec

Specification	Details
Color System	CMY + CTO mixing
Color Wheel	8 colors + white
Static Gobo	12 gobos + open
Rotating Gobo	7 glass gobos
Prism	Dual prism (6-facet & 8-facet)
Control Mode	DMX512 / Auto / Master-Slave
DMX Channels	22 / 26 CH
Protocol	DMX512 + RDM
Display	LCD touch screen
Pan	540° (16-bit)
Tilt	270° (16-bit)
Cooling	Intelligent axial fan
Protection	Overheat protection, auto power-off
Housing	High temperature resistant plastic
Working Temperature	-20°C to +40°C
IP Rating	IP20
Dimensions	38 × 27 × 65 cm
Weight	22.5 kg