RUSH MH 7 Hybrid

The Martin RUSH MH 7 Hybrid is an all-in-one beam, spot and wash moving head with class-leading optics and a zoom system that allows designers maximum flexibility from the high-energy dance floor to performing arts spaces, all within an affordable price bracket.

The RUSH MH 7 Hybrid's features include sharp, crisp optics with a powerful zoom that ranges from a smooth 45° wash to a punchy 2.2° beam.

The Philips Platinum 11R 250W 7800 K lamp contributes to the RUSH MH 7 Hybrid's impressive output. The fixture features 8 rotating/indexing and 12 static gobos, 10 selectable colors, and exciting beam effects from its 8-facet circular and 4-facet linear prisms.

All-in-one Hybrid: Beam, Spot and Wash

Class-leading optical system

Full feature set including 8- and 4-facet prisms

GALLERY

FEATURES

- 250 W Philips Platinum 11R Lamp
- 2.2 – 24° zoom in Beam Mode
- 2.5 – 24° zoom in Spot Mode
- 15 – 45° zoom in Wash Mode
- 8 rotating/indexing gobos
- 12 static gobos
- 10 colors plus CTO, CTB, UV
- 4-facet linear prism
- 8-facet circular prism
- Motorized focus
- 3- and 5-pin XLR DMX connection
- PowerCon IN and THRU

TECHNICAL SPECIFICATIONS

Physical
Length: 301 mm (11.9 in.)
Width: 408 mm (16.1 in.)
Height: 644 mm (25.4 in.)
Weight: 24 kg (52.9 lbs.)

Dynamic Effects
Color wheel: 13 colors incl. CTO, CTB, UV and open
Rotating gobo wheel: 8 gobos plus open, 16-bit indexing, rotation and shake
Static gobo wheel: 12 gobos plus open, wheel rotation and shake
Prism 1: 4-facet linear, 16-bit indexing, variable rotation direction and speed
Prism 2: 8-facet radial, 16-bit indexing, variable rotation direction and speed
Focus: Motorized, 16-bit coarse and fine control
Zoom: Motorized, 16-bit coarse and fine control
Dimming: 0-100%, coarse and fine control

Shutter: Strobe effect, pulse effects, instant open and blackout
Pan: 540°
Tilt: 250°

Control and Programming
Control system: DMX
DMX channels: 21
Setting and addressing: Control panel with backlit LCD display
DMX compliance: USITT DMX512/1990

Lamp
Approved lamp: Philips MSD Platinum 11R 250 W
Color temperature: 7800 K
Average lifetime: 2000 hours*
*Under manufacturer's test conditions

Optics
Cutoff angle, Beam Mode: 2.2° - 24°
Cutoff angle, Spot Mode: 2.5° - 24°
One-tenth peak angle, Wash Mode: 15° - 45°

Construction
Color: Black
Housing: High-impact flame-retardant thermoplastic
Protection rating: IP20

Gobos

Interchangeable rotating gobos
Permitted material: Stainless steel or borosilicate glass with 450° C high temp. coating
Diameter: 14 mm +0/-0.2 mm (0.55 in. +0/-0.008 in.)
Max. image diameter, glass: 8 mm (0.31 in.)
Max. image diameter, metal: 9.5 mm (0.37 in.)
Thickness, glass: 1.1 mm +0/-0.05 mm (0.045 in. +0/-0.002 in.)
Thickness, metal: 0.2 mm (0.008 in) nominal

Installation
Mounting points: Two quarter-turn brackets for rigging clamps
Location: Indoor use only, must be fastened to surface or structure
Orientation: Any
Minimum distance to illuminated surfaces: 10 m (33 ft.)
Minimum distance to combustible materials: 20 cm (8 in.)
Minimum clearance around fans and vents: 50 cm (20 in.)

Connections
AC power in/thru: Neutrik PowerCon
DMX data in/out: 3-pin and 5-pin locking XLR

Electrical
AC power (EU models): 100-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch mode
Primary fuse: 5T, 250 V, 8.0 A

Typical Power and Current
120 V, 60 Hz: 377 W, 3.1 A, PF 0.985
230 V, 50 Hz: 372 W, 1.7 A, PF 0.978
Measurements made at nominal voltage. Figures are typical, not maximum, allow for a deviation of +/- 10%.

Thermal
Cooling: Forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Minimum ambient temperature (Ta min.): 0° C (32° F)
Total heat dissipation (calculated, +/- 10%, at full intensity, full white): 1430 BTU/hr.

Approvals
EU safety: EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC: EN 55015; EN 55032; EN 55103-1, -2; EN 61000-3-2,-3; EN 61000-4-2, -4, -5; EN 61547
US safety: UL 1573
US EMC: CFR Title 47 Part 15 Class A
Canadian safety: CSA C22.2 No. 166
Canadian EMC: ICES-003 Class A
Australia/NZ (pending): RCM

Included Items
Philips MSD Platinum 11R 250 W lamp (installed)
Power cable, 1.5 m (4.9 ft.), without mains plug
Omega bracket for rigging clamp attachment

Accessories
Philips MSD Platinum 11R 250 W lamp: P/N 50481205
Flightcase for 2 x RUSH MH 7 Hybrid: P/N 91515039

Cables, 16 A, for connection to power in chains
Power input cable, 14 AWG, UL, SJT, 1.5 mm2, H05VV-F, with PowerCon input connector, 3 m (9 ft. 11 in.): P/N 11541508
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VV-F, with PowerCon input connector, 1.4 m (4 ft. 8 in.): P/N 11541509
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VV-F, with PowerCon input connector, 2.25 m (7 ft. 5 in.): P/N 11541510
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VV-F, with PowerCon input connector, 3.25 m (10 ft. 8 in.): P/N 11541511

Connectors
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey: P/N 05342805

DMX link
DMX termination plug, 3-pin male XLR: P/N 91613017

Installation hardware
G-clamp: P/N 91602003
Half-coupler clamp: P/N 91602005

Related Items
RUSH™ Software Uploader 2: P/N 91611770

Ordering Information
RUSH™ MH 7 Hybrid in cardboard box: P/N 90280100