RUSH MH 1 Profile Plus

This super bright LED profile moving head is even brighter than its predecessor RUSH MH 1 Profile with 50% more output. Efficient optics with an increased beam angle from 13 degrees to 16 degrees punches out a variety of effects and colors from two gobo wheels and two color wheels. For added versatility and effect, it also houses an electronic dimmer and strobe, iris and 3-facet prism and an improved cooling system for quieter operation.

50 % increase in lumen output

16 degree beam angle

Regulated fan control for quiet operation

FEATURES

- LED profile moving head

- Super bright - efficient optics

- Rotating gobo wheel

- Fixed gobo wheel

- 2 x color wheels

- Electronic dimming and strobe

- Iris and 3-facet prism

- 3 & 5 pin XLR

TECHNICAL SPECIFICATIONS

Physical
Length: 418 mm (16.5 in.)
Width: 328 mm (13.0 in.)
Height: 588 mm (23.2 in.)
Weight: 18 kg (39.7 lbs.)

Dynamic Effects
Color wheel 1: 7 colors plus open, rotation with variable direction and speed
Color wheel 2: 7 colors (incl. 1 x UV, 2 x CTC) plus open, rotation with variable direction and speed
Rotating gobo wheel: 7 gobos plus open, wheel rotation, gobo indexing, rotation and shake
Static gobo wheel: 8 gobos plus open, wheel rotation and shake
Electronic 'shutter' effect: Strobe effect, pulse effects, instant open and blackout
Prism: Indexing and rotation with variable direction and speed
Iris: Motorized
Focus: Motorized
Electronic dimming: 0 - 100%, four dimming curve options
Pan: 540°
Tilt: 270°
Pan and tilt speed: Adjustable via onboard control panel and DMX

Control and Programming
Control options: DMX, standalone
DMX channels: 17
Standalone trigger options: Music trig, auto trig
Standalone sequences: 4 pre-programmed shows
Standalone memory: 20 scenes
Music trig sensitivity: Adjustable
Setting and addressing: Control panel with backlit graphic display
DMX compliance: USITT DMX512/1990

Optics
Light source: 180 W LED engine
Minimum LED lifetime: 20 000 hours (to >70% luminous output)*
*Figure obtained under manufacturer´s test conditions :

Photometric Data
Efficacy: 25.5 lumens per watt
Cut-off angle: 16°
Total output: 7100 lm

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

Gobos
Gobo diameter: 26.8 mm +/- 0.2 mm (1.1 in. +/- 0.008 in.)
Max. image diameter: 22.0 mm (0.87 in.)
Gobo thickness: 0.3 - 3.5 mm (0.01 - 0.14 in.)
Gobo material: Steel, aluminum or borosilicate glass

Installation
Mounting points: Two quarter-turn brackets for rigging clamps
Location: Dry location only, must be fastened to surface or structure
Orientation: Any

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

Electrical
AC power: 100-240 V nominal, 50/60 Hz
Typical total power consumption: 300 W
Power consumption figures are typical, not maximum. Allow for +/-10% variation. :

Thermal
Cooling: Forced air, temperature controlled
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): 1010 BTU/hr.

Approvals
EU safety: EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC: EN 55015, EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety: UL 1573
US EMC: 47 CFR Part 15 Class A
Australia/NZ: RCM

Included Items
Power cable, 1.5 m (4.9 ft.), without mains plug
Two Omega clamp attachment brackets with 1/4-turn fasteners

Accessories

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 (9.8 ft.): P/N 11541508
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VV-F, with PowerCon input connector, 1.4 m (4.6 ft.): P/N 11541509
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VV-F, with PowerCon input connector, 2.25 m (7.4 ft.): P/N 11541510
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VV-F, with PowerCon input connector, 3.25 m (10.7 ft.): P/N 11541511

Power 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

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

Related Items
RUSH™ Software Uploader 1: P/N 91611399

Ordering Information
RUSH MH 1 Profile Plus™ in cardboard box: P/N 90280050