



# 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: C-TICK N4241

#### 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 mm<sup>2</sup>, H05VV-F, with PowerCon input connector, 3 m (9.8 ft.): P/N 11541508

Power relay cable, 14 AWG, UL, SJT, 1.5 mm<sup>2</sup>, H05VV-F, with PowerCon input connector, 1.4 m (4.6 ft.): P/N 11541509

Power relay cable, 14 AWG, UL, SJT, 1.5 mm<sup>2</sup>, H05VV-F, with PowerCon input connector, 2.25 m (7.4 ft.): P/N 11541510

Power relay cable, 14 AWG, UL, SJT, 1.5 mm<sup>2</sup>, 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



#### A C C E S S O R I E S



RUSH software  
uploader 1  
P/N: 91611399

