

# RUSH MH 10 BEAM FX

COMPACT RGBW LED BEAM MOVING HEAD FIXTURE

SPEC SHEET

## Versatile high output luminaire featuring built-in LED Glow Ring

This compact 60W RGBW LED Beam moving head offers a variety of exciting visual effect possibilities at an affordable price. It features an independent, built-in LED Glow Ring with 24 individually-controllable RGB LEDs surrounding a central beam lens to deliver a striking, high-intensity look and tight beam effects. The RUSH MH10 FX easily blends into on-stage LED video elements and is a perfect fit for nightlife, houses of worship, cruise ships, and small-to-medium touring and rental applications.

## Super-tight 4.5° beam

Collimator lens delivers a super-tight 4.5° high intensity beam.

## LED Glow Ring for dramatic, ambient glow effects

Ring of 24 individually pixel-controllable LEDs spawns unprecedented visual effects.

## Continuous pan/tilt never restricts the imagination

Continuous pan/tilt for unrestricted movement and high-speed looks



## KEY BENEFITS

### BRIGHT BEAM EFFECTS

Its tight 4.5° beam angle offers intense narrow beam effects to work alongside traditional wash and profile fixtures. This adds exciting layers that cut through the design and beef up any show with striking new elements. Full RGBW color mixing perfectly blends in with the designer's color pallet without compromise.

### CREATIVE FREEDOM

The 24 LED Glow Ring offers a video content pixel mapping option never seen before at such an affordable price. Its individually pixel-controllable LEDs allow for smoothly coordinating video content with other creative video products such as screens and video battens, while at the same time using the fixture as a traditional beam. Beam and ambient glow ring can be used separately or combined for synergized

visuals. This gives the designer full control instead of having only predetermined effects, which facilitates much more detailed and visually stunning shows.

### UNRESTRICTED MOVEMENT

This is the fastest moving head we've ever built. Its super-fast, continuous pan & tilt movement allows for installation within an uncompromised set design where its 360° rotation will add dramatic action to any high intensity dance floor or stage performance.

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## FEATURES

- Bright 60 W Osram RGBW LED engine
- Collimator lens with tight 4.5° beam angle
- Ambient glow ring with 24 individually pixel-controllable RGB LEDs
- Electronic dimming and Strobe
- Temperature-controlled fan cooling
- Unlimited Pan & Tilt rotating
- 3 + 5 pin XLR DMX connection
- Neutrik TRUE 1 in and thru socket
- Compact size—L: 275 x W: 188 x H: 325 mm / L: 10.8 x W: 7.4 x H: 12.8 in
- Low weight—7.5 kg/16.5 lbs.



## ORDERING INFORMATION

- RUSH MH 10 Beam FX in cardboard box: P/N 90280120

## INCLUDED ITEMS

- Power Cable, H07RN-F Neutrik TRUE1-TRUE1 0.45 m (1.5 ft.): P/N 91611784
- Mounting bracket: 1 Omega bracket

## OPTIONAL ACCESSORIES

### Power Cables

- Power Cable, H07RN-F Neutrik TRUE1-TRUE1 0.45 m (1.5 ft.): P/N 91611784
- Power Cable, H07RN-F Neutrik TRUE1-TRUE1 1.2 m (3.9 ft.): P/N 91611785
- Power Cable, H07RN-F Neutrik TRUE1-TRUE1 2.5 m (8.2 ft.): P/N 91611796
- Power input cable, H07RN-F, 2.5 mm<sup>2</sup>, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91611797
- Power input cable, H07RN-F, 2.5 mm<sup>2</sup>, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786

### Connectors

- Cable Connector, Neutrik PowerCON TRUE1 NAC3MX-W (male): P/N 91611788
- Cable Connector, Neutrik PowerCON TRUE1 NAC3FX-W (female): P/N 91611789

### Installation Hardware

- G-clamp: 91602003
- Half-coupler clamp: 91602005
- DMX termination plug, 3-pin male XLR: 91613017
- 5-pin male XLR to 3-pin female XLR adaptor: 11820005
- Safety cable, safe working load 60 kg:
  - SAFETY CABLE, 60KG, BGV C1 (Black) 91604006
  - SAFETY CABLE, 60KG, BGV C1, (Silver) 91604007

### Related Items

- RUSH Software Uploader 1™: 91611399

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## TECHNICAL SPECIFICATIONS

### DYNAMIC EFFECTS

Color mixing .....	RGBW - Beam effect RGB - Ring effect
Unlimited pan & tilt rotation	
Electronic dimming .....	0 - 100%
Strobe and pulse effects .....	Variable speed and action, randomstrobe
Electronic 'shutter' effect.....	Instant open and blackout

### CONTROL AND PROGRAMMING

Control options .....	DMX, stand-alone, RDM
Stand-alone trigger options.....	Yes
DMX channels .....	26 CH, 95CH
DMX address setting .....	Control panel with LCD display, RDM
Stand-alone programming.....	Control panel with LCD display
Protocol.....	USITT DMX512/1990

### THERMAL

Cooling .....	Forced air (temperature-regulated, low noise)
Max ambient temperature (Ta max) .....	40° C (104° F)
Min ambient temperature (Ta min).....	0° C (32° F)

### OPTICS

Light source .....	Osram 60W RGBW LED engine, LED model LE RTDUW S2WP 24 x 0.25W RGB SMD LED as backlight with pixel control
Beam angle.....	4.5°
Minimum LED lifetime.....	20 000 hours (to →70% luminous output)*

\*Figure obtained under manufacturer's test conditions

### CONSTRUCTION

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

### INSTALLATION

Mounting points.....	One quarter-turn bracket for rigging clamp
Location .....	Indoor use only, must be fastened to surface or structure
Orientation.....	Any
Min. distance to illuminated surfaces ...	200 mm / 7.87 in
Min. distance to combustible surfaces ..	100 mm / 3.94 in
Min. clearance around fans & vents.....	100 mm / 3.94 in

### ELECTRICAL

AC power.....	100-240 V nominal, 50/60 Hz
Power supply unit .....	Auto-ranging electronic switch mode

### TYPICAL POWER AND CURRENT

120 V, 60 Hz.....	0.846 A, 100.3 W, PF 0.985 *
230 V, 50 Hz.....	0.493 A, 108.2 W, PF 0.998 *

\* Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

### APPROVALS

EU Safety.....	EN60598-1, EN 60598-2-17, EN62493, EN 62031, EN 61347-2-13, EN61347, EN62778
EU EMC .....	EN55015, EN55032, EN55103-2, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-4, EN61000-4-5, EN 61547
US Safety.....	UL 1573
US EMC .....	FCC Part 15 Class A
Canadian Safety.....	CSA C22.2 No. 166

Specifications subject to change without notice.

### PHYSICAL

Length .....	275 mm (10.8 in.)
Width .....	188 mm (7.4 in.)
Height.....	325 mm (12.8 in.)
Weight .....	7.5 kg (16.5 lbs.)