

The MAC 301 Wash" is an LED moving head washlight with a powerfully fast zoom and impressive zoom range. It is capable of producing a wide range of exceptional colors from rich saturated shades to pastels through the entire zoom range.

- Fast and efficient zoom: 13 - 36°
- Brightest LED moving head in its class
- Excellent color mixing for vibrant saturates and subtle pastels
- Punchy beam with great beam definition
- Smooth electronic dimming: 0 - 100%
- Electronic strobe with pulse and random effects
- Compact and low weight
- Quiet
- DMX-512 control
- All the benefits of LED

Physical Length: 200 mm (7.9 in.)
Width: 320 mm (12.6 in.)
Height: 388 mm (15.3 in.)
Weight: 8.9 kg (19.6 lbs.) excl. brackets

Dynamic Effects Color mixing: RGB
Red: 0 - 100%
Green: 0 - 100%
Blue: 0 - 100%
Electronic 'color wheel' effect: 7 colors plus white, color wheel rotation effect, snap, blackout or dimmer fade at color changes
Variable CTC
Electronic dimming: 0 - 100%, two dimming curve options for overall/individual RGB intensity
Zoom: 13 - 36°
Strobe effect: Electronic, with pulse and random effects
Pan: 430°
Tilt: 300°
Adjustable pan/tilt and effects speed

Optics Light source: Luxeon Rebel high power emitters

Control and Programming Control options: DMX, stand-alone, master/slave
Control resolution: 8- and 16-bit
DMX channels: 12/15/16/19
Setting and addressing: Control panel with backlit graphic display
Protocol: USITT DMX512/1990
Stand-alone memory: 20 scenes
Stand-alone and master/slave programming: Control panel with backlit graphic display
Transceiver: RS-485
Fixture software update: MAC 301 Software Uploader device

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

Installation Mounting points: 2 pairs of 1/4-turn locks
Orientation: Any
Minimum distance to combustible materials: 100 mm (3.9 in.) from head, no minimum distance from base

Connections AC power input: 1.6 m (5.2 ft.) cable tail
DMX data in/out: 3-pin and 5-pin locking XLR

Electrical AC power: 100-130 V (US model), 200-240 V (EU model), 50/60 Hz
Maximum total power consumption: 350 W
Power supply unit: Electronic switch mode
Main fuse: 6.3 AT (US model), 4 AT (EU model)

Thermal Cooling: Forced air (temperature-regulated, low noise, user-definable levels)
 Maximum ambient temperature (Ta max.): 40° C (104° F)
 Minimum ambient temperature (Ta min.): 5° C (41° F)
 Total heat dissipation (calculated, +/- 10%): 1200 BTU/hr.

Approvals



EU safety: EN 60598-1, EN 60598-2-17
 EU EMC: EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-4
 US safety: UL 1573
 Canadian safety: CSA C22.2 No. 166

Included Items

Two Omega clamp attachment brackets with 1/4-turn fasteners for MAC 301: P/N 91602015
 User manual: P/N 35000228

Accessories

G-clamp: P/N 91602003
 Half-coupler clamp: P/N 91602005
 Quick trigger clamp: P/N 91602007
 Safety wire, universal, safe working load 50 kg (110.2 lbs.): P/N 91604003
 Four-unit flightcase for 4 x MAC 301: P/N 91510021

Ordering Information

MAC 301 Wash TM, EU model, in cardboard box: P/N 90218000
 MAC 301 Wash TM, EU model, in 4-unit flightcase: P/N 90218001
 MAC 301 Wash TM, US model, in cardboard box: P/N 90218100
 MAC 301 Wash TM, US model, in 4-unit flightcase: P/N 90218101

Photometric Data

Standard (Only 36 x red LEDs on) , Zoom at Minimum	Efficacy: 6 lumens per watt One-tenth peak angle: 12.5° Total output: 590 lm
Standard (Only 36 x green LEDs on) , Zoom at Minimum	Efficacy: 15.6 lumens per watt One-tenth peak angle: 13° Total output: 2500 lm
Standard (All LEDs on) , Zoom at Minimum	Efficacy: 10.4 lumens per watt One-tenth peak angle: 13° Total output: 3300 lm
Standard (Only 36 x blue LEDs on) , Zoom at Minimum	Efficacy: 3.2 lumens per watt One-tenth peak angle: 13° Total output: 530 lm
Standard (Only 36 x red LEDs on) , Zoom at Maximum	Efficacy: 7.5 lumens per watt One-tenth peak angle: 36° Total output: 740 lm
Standard (Only 36 x blue LEDs on) , Zoom at Maximum	Efficacy: 3.7 lumens per watt One-tenth peak angle: 34° Total output: 610 lm
Standard (All LEDs on) , Zoom at Maximum	Efficacy: 12.2 lumens per watt One-tenth peak angle: 35° Total output: 3900 lm
Standard (Only 36 x green LEDs on) , Zoom at Maximum	Efficacy: 18.2 lumens per watt One-tenth peak angle: 36° Total output: 2900 lm

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