



MAC 301 Wash

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.

FEATURES

TECHNICAL SPECIFICATIONS

Physical

Length: 200 mm
Width: 320 mm
Height: 388 mm
Weight: 8.9 kg excl. brackets

Dynamic Effects

Shutter effect: Electronic, with pulse and random effects
Electronic dimming: 0 - 100%, two dimming curve options for overall/individual RGB intensity
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
Color temperature control: Variable 8000 - 2800 K
Zoom: 13 - 36°
Pan: 430°
Tilt: 300°

Adjustable pan/tilt and effects speed:

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

Optics

Light source: Luxeon Rebel high power emitters
Red: 621-637 nm
Green: 525-542 nm
Blue: 445-461 nm
LED refresh rate: 100 Hz or 120 Hz depending on camera mode

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 from head, no minimum distance from base

Connections

AC power input: 1.6 m cable tail
DMX data in/out: 3-pin and 5-pin locking XLR

Electrical

AC power: 100-240 V nominal, 50/60 Hz
Maximum total power consumption: 350 W
Power supply unit: Auto-ranging electronic switch mode
Main fuse: 6.3 AT (slow blow)
Standby power: <60 W

Typical Power and Current

100 V, 60 Hz: 344 W, 3.5 A, PF 0.998

110 V, 60 Hz: 341 W, 3.1 A, PF 0.997
120 V, 60 Hz: 338 W, 2.9 A, PF 0.996
208 V, 60 Hz: 331 W, 1.7 A, PF 0.983
230 V, 50 Hz: 332 W, 1.5 A, PF 0.972
240 V, 50 Hz: 332 W, 1.5 A, PF 0.968

PF = power factor:

Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

Thermal

Cooling: Forced air (temperature-regulated, low noise, user-definable levels)
Maximum ambient temperature (Ta max.): 40° C
Minimum ambient temperature (Ta min.): 5° C
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 (US model): UL 1573, UL 8750
Canadian safety (US model): CSA C22.2 No. 166

Included Items

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

Accessories

MAC 301 Software Uploader: 90758099
MAC 301 Diffusion Filter: 91611324
Quick trigger clamp: 91602007
Half-coupler clamp: 91602005
G-clamp: 91602003
Safety cable, safe working load 50 kg: 91604003
Four-unit flightcase for 4 x MAC 301: 91510021

Spare Parts

6.3 AT main fuse: 05020020

Ordering Information

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

