



MAC 250 Wash

The MAC 250 Wash is a powerful yet compact and remarkably efficient wash light with extraordinarily fast and quiet movement, a variable frost filter for zoom effect and a CMY color mixing system with a complimenting color wheel.

FEATURES

- 250 W long life discharge lamp
- Total output up to 7700 lumens
- CMY color mixing system
- 6 position color wheel plus open
- Variable frost filter
- Strobe effect up to 14 Hz, pulse effects, instant open and blackout
- Fresnel (standard) super-wide lens (included)
- Mechanical dimming
- Pan and tilt range of 540°/257°
- Tilt lock
- Variable fan control for very quiet operation

TECHNICAL SPECIFICATIONS

Physical

Length: 375 mm
Width: 315 mm
Height: 538 mm, head straight up
Weight: 22.9 kg

Dynamic Effects

Color mixing: CMY, independently variable 0 - 100%
Color wheel: 6 interchangeable filters (incl. UV transmitter and CTC) + open, indexing, continuous rotation
Mechanical dimmer: 0 - 100%
Shutter: Strobe effect up to 14 Hz, pulse effects, instant open and blackout
Diffuser: Variable frost filter
Pan: 540°
Tilt: 257°

Control and Programming

DMX channels: 13/19
Setting and addressing: Control panel with LED display
16-bit control: CMY, color wheel, dimmer, frost, pan and tilt
Movement control options: Tracking and vector
Protocol: USITT DMX512/1990
Receiver: Opto-isolated RS-485
Firmware update: Serial upload via DMX link

Lamp

Type: 250 W discharge
Fitted as standard: Sylvania BA 250/2
Color temperature: 8000 K
CRI (Color rendering index): >85
Average lifetime: 3000 hours
Hot restrike: No
Socket: GY 9.5
Ballast: Magnetic
Approved alternative lamp(s): Osram HSD 250/80, GE CSD 250/2, Philips MSD 250/2

Optics

Beam angle: Standard lens 19° (35° with frost effect), wide lens 53° (66° with frost effect), 1/10 peak angles

Construction

Color(s): Black

Housing: UV-resistant fiber-reinforced composite
Reflector: Glass, cold light
Protection rating: IP20

Installation

Mounting points: 2 pairs of 1/4-turn locks
Orientation: Any

Connections

AC power input: 3-pin IEC
DMX data in/out: 3-pin and 5-pin locking XLR

Electrical

AC power: 100-240 V nominal, 50/60 Hz
Power supply unit: User-reconfigurable voltage and frequency settings
Main fuse: 6.3 AT (slow blow)

Typical Power and Current

100 V, 50 Hz: 319 W, 3.8 A, PF 0.83
100 V, 60 Hz: 317 W, 3.4 A, PF 0.93
120 V, 50 Hz: 320 W, 2.9 A, PF 0.91
120 V, 60 Hz: 314 W, 2.7 A, PF 0.96
208 V, 50 Hz: 320 W, 1.9 A, PF 0.81
208 V, 60 Hz: 319 W, 1.7 A, PF 0.92
230 V, 50 Hz: 323 W, 1.6 A, PF 0.89
230 V, 60 Hz: 326 W, 1.5 A, PF 0.95
250 V, 50 Hz: 326 W, 1.5 A, PF 0.89

Thermal

Cooling: Filtered forced air (temperature-regulated)
Maximum ambient temperature (Ta max.): 40° C
Maximum surface temperature, steady state, at 40° C ambient: 160° C (320° F)
Total heat dissipation (calculated, +/- 10%): 1120 BTU/hr.

Approvals

EU EMC: EN 55 015, EN 55 103-1, EN 61 547
EU safety: EN 60598-1, EN 60598-2-17
US safety: ANSI/UL 1573
Canadian safety: CSA C22.2 No. 166

Included Items

Sylvania BA 250/2 lamp:
Wide-angle diffuser lens: 41600053
3 m power cable, 3-pin IEC: 11501013
Two T-shaped Omega clamp attachment brackets with quarter-turn fasteners:
91602008
User manual: 35000164

Accessories

Osram HSD 250/80 lamp: 97010116
MAC 250 Beam Kit: 91610101
DMX termination plug, 3-pin male XLR: 91613017
G-clamp: 91602003
Half-coupler clamp: 91602005
Quick trigger clamp: 91602007
Double flightcase for MAC 250 Krypton/Entour/Wash: 91510014

Spare Parts

6.3 AT main fuse: 05020020
Fuse F1 (6.3 AT): 05020020
Fuse F2 (2 AT): 05020009

Ordering Information

MAC 250 Wash, white, in cardboard box: 90225830
MAC 250 Wash in cardboard box: 90225840
MAC 250 Wash in double flightcase: 90225841

