

MAC 700 Wash™ Specifications

The MAC 700 Wash is an exceptionally powerful wash light with a clean, even, soft-edged beam, a motorized zoom, indexible beamshaper and rich CMY color mixing.

Features

- 700 W short arc discharge lamp
- CMY color mixing system
- 8 position color wheel plus open
- Variable CTC
- Motorized zoom
- Mechanical dimming
- 12.5-66° beam angle
- Indexing & rotating beamshaper
- Strobe effect 2 - 10 Hz, random strobe, pulse effects
- Pan and tilt range of 540°/246°
- Variable fan control for quieter operation
- Modular design for easy maintenance and servicing
- Electronic ballast with hot lamp restrike and flicker free light

Physical

- Length: 450 mm (17.7 in.)
- Width: 365 mm (14.4 in.)
- Height: 656 mm (25.8 in.), head straight up
- Weight: 32 kg (70.5 lbs.)

Lamp

- Type: 700 W short-arc discharge
- Fitted as standard: Osram HTI 700/D4/75
- Color temperature: 7500 K
- CRI (Color rendering index): >85
- Average lifetime: 750 hours
- Hot restrike: Yes
- Socket: Double-ended SFC 10-4 with key
- Ballast: Electronic
- Approved alternative lamp(s): Philips MSR Gold 700 SA/2 DE

Dynamic Effects

- Color mixing: CMY, independently variable 0 - 100%
- Color wheel: 8 interchangeable filters (5 colors, UV, half minus green, CTC) + open
- Color temperature control: 0 - 100%
- Mechanical dimmer: 0 - 100%
- Shutter: Strobe effect 2 - 10 Hz, random strobe, pulse effects
- Beamshaper: 0° - 360° indexable, continuous rotation

Zoom: 12.5° - 66°, 1/10 peak angles

Pan: 540°

Tilt: 246°

Control and Programming

DMX channels: 16/23

Setting and addressing: Control panel with LED display

16-bit control: CMY, CTC, color wheel, mechanical dimmer, zoom, pan & tilt

Movement control options: Tracking and vector

Protocol: USITT DMX512/1990

Receiver: Opto-isolated RS-485

Firmware update: Serial upload via DMX link

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 m (9.8 ft.) integral cable without power plug

DMX data in/out: 3-pin and 5-pin locking XLR

Electrical

AC power: 100-120/208-240 V nominal, 50/60 Hz

Power supply unit: Auto-ranging electronic switch-mode

Main fuse (100-120 V power): 15 AT (slow blow)

Main fuse (208-240 V power): 10 AT (slow blow)

Thermal

Cooling: Filtered forced air (temperature-regulated, low noise)

Maximum ambient temperature (Ta max.): 40° C (104° F)

Maximum surface temperature, steady state, Ta=40° C: 160° C (320° F)

Total heat dissipation (calculated, +/- 10% at 110 V, 60 Hz / 230 V, 50 Hz): 3340 / 3190 BTU/hr.

Approvals



EU safety: EN 60598-1, EN 60598-2-17

EU EMC: EN 55 015, EN 55 103, EN 61 000-3

US safety: ANSI/UL 1573

Canadian safety: CSA C22.2 No. 166

