



# MAC 700 Wash

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
- Total output up to 18700 lumens
- CMY color mixing system
- 8 position color wheel plus open
- Variable CTC
- Indexing & rotating beamshaper
- Strobe effect 2 - 10 Hz, random strobe, pulse effects
- Motorized zoom
- Mechanical dimming
- Pan and tilt range of 540°/246°
- Electronic ballast with hot lamp restrike and flicker free light
- Variable fan control for quieter operation

## TECHNICAL SPECIFICATIONS

### Physical

Length: 450 mm  
Width: 365 mm  
Height: 656 mm, head straight up  
Weight: 32 kg

### 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

### 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

### 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 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)

#### Typical Power and Current

100 V, 60 Hz: 1019 W, 10.3 A, PF 0.996

110 V, 60 Hz: 977 W, 9.0 A, PF 0.995

120 V, 60 Hz: 988 W, 8.3 A, PF 0.995

208 V, 60 Hz: 949 W, 4.7 A, PF 0.976

230 V, 50 Hz: 944 W, 4.2 A, PF 0.973

240 V, 50 Hz: 940 W, 4.0 A, PF 0.970

250 V, 50 Hz: 940 W, 3.9 A, PF 0.966

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

#### Thermal

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

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

Maximum surface temperature, steady state, Ta=40° C: 160° C

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

#### Included Items

Osram HTI 700/D4/75 lamp (installed): 97010212

10 AT main fuse (installed): 05020025

15 AT main fuse: 05020027

Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001

User manual: 35000185

#### Accessories

Philips MSR Gold 700 SA/2 DE lamp: 97010312

GE CSR700/S/DE/60 lamp: 97010240

Frost filter: 91611263

T-shaped omega bracket with quarter-turn fasteners: 91602008

G-clamp: 91602003

Half-coupler clamp: 91602005

Quick trigger clamp: 91602007

Super Truss 20.5" mounting plate with half-couplers: 91602014

Swing-wing truss mounting plate with half-couplers: 91602010

Double flightcase, MAC 550 Profile, MAC 700 Wash, MAC 700 Profile: 91510020

#### Spare Parts

Osram HTI 700/D4/75 lamp: 97010212

10 AT main fuse: 05020025

15 AT main fuse: 05020027

#### Ordering Information

MAC 700 Wash in cardboard box: 90207400

MAC 700 Wash in double flightcase: 90207401

