



# MAC 600

The industry standard MAC 600 is a powerful wash light with a CMY color mixing system, 440° of pan and 306° of tilt and a fast and smooth movement.

## FEATURES

- 575 W discharge lamp
- CMY color mixing system
- 4 position color wheel plus open
- Frost and indexable beamshaper
- Strobe effect up to 8 Hz, random strobe
- 18°, 25° (standard) and 65° lens options
- Mechanical dimming
- Pan and tilt range of 440°/306°
- Modular design for easy maintenance and servicing
- Quiet operation

## TECHNICAL SPECIFICATIONS

### Physical

Length: 356 mm  
Width: 481 mm  
Height: 652 mm, head straight up  
Weight: 31.5 kg  
Weight: 25.4 kg, electronic ballast models

### Dynamic Effects

Color mixing: CMY, independently variable 0 - 100%  
Color wheel: 4 filters (incl. CTC) + open, full and split positions, continuous rotation  
Mechanical dimmer: 0 - 100%  
Shutter: Strobe effect up to 8 Hz, random strobe  
Beamshaper 1: 0° - 90°  
Beamshaper 2: 0° - 180°  
Diffuser: Variable frost filter  
Pan: 440°  
Tilt: 306°

### Control and Programming

DMX channels: 10/12/14  
Setting and addressing: Control panel with LED display  
16-bit control: 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: 575 W discharge  
Fitted as standard: Philips MSR 575/2  
Color temperature: 7200 K  
CRI (Color rendering index): 80  
Average lifetime: 1000 hours  
Hot restrike: No  
Socket: GX 9,5  
Ballast: Magnetic (MAC 600), electronic (MAC 600 E)  
Approved alternative lamp(s): Philips MSD 575, Osram HSR 575/72

### Optics

Beam angle: Narrow lens 18°, standard lens 25° (65° with floodlight diffuser), super-wide lens 103°, 1/10 peak angles

### Construction

Color(s): Black  
Housing: Steel and aluminum with molded plastic covers

Finish: Electrostatic powder-coated  
Reflector: Glass, cold light  
Protection rating: IP20

#### Installation

Mounting points: 4 pairs of 1/4-turn locks, 45° orientation possible  
Orientation: Any

#### Connections

AC power input: 3 m integral cable without power plug  
DMX data in/out: 3-pin locking XLR

#### Electrical

AC power: 200/230/245 V, 50 Hz; 208/227 V, 60 Hz (MAC 600)  
AC power: 100/110/120/210/220/230/240 V, 50/60 Hz (MAC 600 E)  
Power supply unit: User-reconfigurable voltage and frequency settings  
Main fuse (100-120 V power): 10 AT (slow blow)  
Main fuse (200-240 V power): 6.3 AT (slow blow)

#### Typical Power and Current

230 V, 50 Hz: 750 W, 3.9 A (MAC 600)  
230 V, 50 Hz: 690 W, 3.2 A (MAC 600 E)

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

#### Thermal

Cooling: Filtered forced air (temperature-regulated)  
Maximum ambient temperature (Ta max.): 40° C  
Maximum surface temperature, steady state, at 40° C ambient: 140° C (284° F)  
Total heat dissipation (calculated, +/- 10%): 2560 BTU/hr.

#### Approvals

EU safety: EN 60598-1, EN 60598-2-17  
EU EMC: EN 50 081-1, EN 50 082-1  
US safety: ANSI/UL 1573  
Canadian safety: CSA C22.2 No. 166

#### Included Items

Philips MSR 575/2 lamp (installed): 97010201  
Snoot kit: 17100010  
Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001  
User manual: 35000018

#### Accessories

Philips MSD 575 Lamp: 97010202  
Osram HSD 575/60 Lamp: 97010207  
18° "long front" with Fresnel lens: 91610005  
65° floodlight diffuser on standard front: 91610008  
103° super wide front lens kit: 91610073  
90 mm x 90 mm color/diffuser filter holder kit: 91611001  
Flightcase for 2 x MAC 500/600: 91510002  
G-clamp: 91602003  
Half-coupler clamp: 91602005  
Outdoor Protection Dome: 90525010  
Osram HSR 575/72 Lamp: 97010200

#### Spare Parts

Philips MSR 575/2 lamp: 97010201  
6.3 AT main fuse: 05020020  
10 AT main fuse: 05020025

#### Ordering Information

MAC 600 E in double flightcase: 90210201  
MAC 600 E in cardboard box: 90210200  
MAC 600, black, 230 V, 50 Hz, in double flightcase: 90210001  
MAC 600, black, 230 V, 50 Hz in cardboard box: 90210000

