

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.

- 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

<b>Physical</b>	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.)
<b>Lamp</b>	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
<b>Dynamic Effects</b>	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°
<b>Control and Programming</b>	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
<b>Construction</b>	Color(s): Black Housing: UV-resistant fiber-reinforced composite Reflector: Glass, cold light Protection rating: IP20
<b>Installation</b>	Mounting points: 2 pairs of 1/4-turn locks Orientation: Any
<b>Connections</b>	AC power input: 3 m (9.8 ft.) integral cable without power plug DMX data in/out: 3-pin and 5-pin locking XLR
<b>Electrical</b>	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)

<b>Typical Power and Current</b>	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%.*

<b>Thermal</b>	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 (104° F): 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

<b>Included Items</b>	Osram HTI 700/D4/75 lamp (installed): P/N 97010212
	10 AT main fuse (installed): P/N 05020025
	15 AT main fuse: P/N 05020027
	Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001
	User manual: P/N 35000185

<b>Accessories</b>	Philips MSR Gold 700 SA/2 DE lamp: P/N 97010312
	GE CSR700/S/DE/60 lamp: P/N 97010240
	Frost filter: P/N 91611263
	T-shaped omega bracket with quarter-turn fasteners: P/N 91602008
	G-clamp: P/N 91602003
	Half-coupler clamp: P/N 91602005
	Quick trigger clamp: P/N 91602007
	Super Truss 20.5" mounting plate with half-couplers: P/N 91602014
Swing-wing truss mounting plate with half-couplers: P/N 91602010	
Double flightcase, MAC 550 Profile, MAC 700 Wash, MAC 700 Profile: P/N 91510020	

<b>Spare Parts</b>	Osram HTI 700/D4/75 lamp: P/N 97010212
	10 AT main fuse: P/N 05020025
	15 AT main fuse: P/N 05020027

<b>Ordering Information</b>	MAC 700 Wash in cardboard box: P/N 90207400
	MAC 700 Wash in double flightcase: P/N 90207401

**Photometric Data**

<b>Standard , Zoom at Minimum</b>	Efficiency: 34%
	Efficacy: 20 lumens per watt
	One-tenth peak angle: 12.5°
	Total output: 18600 lm

<b>Standard , Zoom at Median</b>	Efficiency: 35%
	Efficacy: 20 lumens per watt
	One-tenth peak angle: 50°
	Total output: 18700 lm

<b>Standard , Zoom at Maximum</b>	Efficiency: 21%
	Efficacy: 12 lumens per watt

One-tenth peak angle: 66°  
Total output: 11400 lm

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