

MAC 700 Wash specifications

PHYSICAL

Length	450 mm (17.7 in)
Width	365 mm (14.4 in)
Height (head straight up)	656 mm (25.8 in)
Weight	32 kg (70.6 lbs)

LAMP

Type	700 W short arc discharge
Approved model	OSRAM HTI 700/D4/75
Ballast	Electronic
Hot restrike	Yes
Socket	Double-ended SFc10-4 with key

DYNAMIC EFFECTS

Color mixing	Seamless CMY, 0 - 100%, independent 8- or 16-bit control
Color wheel	8 replaceable filters (6 colors, 3200-4100 K CTC and UV) plus open, 8- or 16-bit control
Color temperature control	7500 - 3200 K variable 0 - 100%, 8- or 16-bit control
Beam effects	Indexable and high-speed continuous rotating beam shaper
Dimmer/shutter	0 - 100% dimming, 8- or 16-bit control, strobe effect variable 2 - 10 Hz, 8-bit control
Zoom	5:1 (12.5° - 66°), 8- or 16-bit control
Pan	540°, 8- and 16-bit control
Tilt	246°, 8- and 16-bit control
Position correction system	Yes

OPTICS

Reflector	Glass cold light
One-tenth peak output	17000 lumens at 50°
One-tenth peak angle	12.5° - 66°
Total output	18700 lumens at 50° one-tenth peak angle
Cutoff angle	16.5° - 83°
Measurement conditions	230 V, 50 Hz, no effects applied
Measurement test lamp	Osram HTI 700/D4/75

CONTROL AND PROGRAMMING

DMX channels	16 (16-bit basic mode) or 23 (16-bit extended mode)
Setting and addressing	Control panel or MP-2 uploader
Movement control options	Tracking and/or vector
Receiver	Opto-isolated RS-485
Protocol	USITT DMX-512 (1990)
Firmware update	Serial upload (MUF)

CONSTRUCTION

Chassis	Steel & aluminum, shock resistant design
Housing	UV-resistant fiber-reinforced composite
Color	Black
Protection factor	IP 20

INSTALLATION

Mounting points	2 pairs of 1/4-turn locks
Minimum distance from illuminated surface	1.2 m (48 in.)
Minimum distance from combustible materials	0.5 m (20 in.)
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 VAC nominal, 50/60 Hz
Power supply	Auto-ranging electronic switch-mode
Main fuse (100 - 120 V power)	15 AT (slow blow), P/N 05020027
Main fuse (208 - 240 V power)	6.3 AT (slow blow), P/N 05020020

Typical power and current

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

PF = power factor

Note: Allow for a deviation of +/- 10% from typical figures listed above. Measurements made at nominal voltage. Local voltages can vary.

THERMAL

Maximum ambient temperature (T_a)	40° C (104° F)
Maximum surface temperature, steady state, $T_a = 40° C$	160° C (320° F)
Cooling	Filtered forced air (temperature regulated, low noise)
Total heat dissipation (calculated, 230 V, 50 Hz / 110 V, 60 Hz)	3190 BTU/hr / 3430 BTU/hr

APPROVALS



EU safety	EN 60598-1, EN 60598-2-17
EU EMC	EN 55015, EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3
US safety	ANSI/UL 1573
Canadian safety	CSA C22.2 No. 166

INCLUDED ITEMS

Lamp	OSRAM HTI 700/D4/75 (installed): P/N 97010212
Dichroic filters	6 color, 1 CTC, 1 UV transmitter (installed)
Fuse for use with 208 - 240 V power	6.3 AT fuse (installed): P/N 05020020
Fuse for use with 100 -120 V power	15 AT fuse: P/N 05020027
2 omega clamp attachment brackets with quarter-turn fasteners	2 x P/N 91602001

ACCESSORIES

Half-coupler clamp	P/N 91602005
G-clamp	P/N 91602003
Safety wire, universal, 50kg safe work load	P/N 91604003
DABS 1 PC/fixture interface device	P/N 91611144
MP-2 Uploader	P/N 90758420

ORDERING INFORMATION

MAC 700 Wash in cardboard packing case	P/N 90207400
MAC 700 Wash in flight case	P/N 90207401