SPECIFICATIONS - MAC 2000 WASH

Physical

Length . . . . 408 mm (16.0 in)
Width . . . . 490 mm (19.3 in)
Height. . . . . 750 mm (29.5 in)
Weight . . . . 34 kg (74.8 lbs)

Installation

Minimum distance to combustible materials . . . . 1 m (39 in)
Minimum distance to illuminated surfaces . . . . .3 m (10 ft)
Minimum distance around fans and vents . . . . .0.1 m (4 in)
Orientation . . . . any

Source

Lamp . . . . 1200 W short arc discharge
Base. . . . . Double-ended SFc 10-4 with key
Approved models . . . . .Osram HMI 1200 W/S, Philips MSI 1200
Control . . . . automatic and remote, hot re-strike
Ballast . . . . electronic

Electrical

AC input . . . . 3 m trailing cable w/o cord cap
Operating ranges . . . . 100-130 V/200-250 V (switchable), 50/60 Hz
Main fuses (x 2 - when local AC supply is 200 - 250 V) . . . . 15 A
Main fuses (x 2 - when local AC supply is 100 - 120 V) . . . . T 20 A
Fuse F101 . . . . T 6.3 A
Fuse F102 . . . . T 10 A
Fuse F103 . . . . T 3.15 A
Fuse F104 . . . . T 3.15 A
Ballast . . . . electronic

Maximum power and current

100 V @ 50 Hz. . . . . 1530 W, 20.9 A
100 V @ 60 Hz. . . . . 1570 W, 20.9 A
120 V @ 50 Hz. . . . . 1520 W, 18 A
120 V @ 60 Hz. . . . . 1520 W, 17.7 A
208 V @ 50 Hz. . . . . 1450 W, 10.4 A
208 V @ 60 Hz. . . . . 1450 W, 10.2 A
230 V @ 50 Hz. . . . . 1450 W, 9.5 A
230 V @ 60 Hz. . . . . 1460 W, 9.4 A
250 V @ 50 Hz. . . . . 1450 W, 8.8 A
250 V @ 60 Hz. . . . . 1460 W, 8.6 A

Thermal

Maximum ambient temperature (T_a) . . . . 40° C (104° F)
Maximum surface temperature . . . . 140° C (284° F)
Total heat dissipation . . . . .ca. 5120 Btu/hr

Photometrics (Standard Fresnel lens)

Measurement conditions . . . . Standard Fresnel lens, 50 mm aperture ring
Light buster mode (no diffuser) . . . . 31300 lumens, beam angle 11° (measured at 7.6 meters)
Zoom narrow . . . . 21130 lumens, beam angle 15° (measured at 7.6 meters)
Zoom wide . . . . 32027 lumens, beam angle 40° (measured at 3.8 meters)
Measurement source . . . . Osram HMI 1200 W/S

Photometrics (PC lens)

Measurement conditions . . . . PC lens, 50 mm aperture ring
Light buster mode (no diffuser) . . . . 33125 lumens, beam angle 12° (measured at 7.6 meters)
Zoom narrow . . . . 23421 lumens, beam angle 12° (measured at 7.6 meters)
Zoom wide . . . . 32550 lumens, beam angle 34° (measured at 2.3 meters)
Measurement source . . . . Osram HMI 1200 W/S

Photometrics (Optional super-wide-angle lens)

Measurement conditions . . . . Super-wide-angle lens, 50 mm aperture ring
Light buster mode (no diffuser) . . . . beam angle 66° (measured at 2.4 meters)
Zoom narrow . . . . beam angle 70° (measured at 1.7 meters)
Zoom wide . . . . beam angle 80° (measured at 1.7 meters)
Measurement source . . . . Osram HMI 1200 W/S

Control and programming

Protocol . . . . USITT DMX-512
Control channels . . . . 19 or 21
Receiver. . . . . Opto-isolated RS-485
Data I/O . . . . .locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
Setting and addressing . . . . LED control panel, remote w/ MP-2 uploader
Pan/tilt resolution . . . . 8- or 16-bit
Movement control. . . . . .tracking and vector
Software installation . . . . serial upload (MUF)

Electromechanical effects

Cyan. . . . . .0 - 100%
Magenta . . . . .0 - 100%
Yellow. . . . . .0 - 100%
Color correction . . . . 0 - 178 mireds
Color wheels (1 or 2 . . . . 4 removable positions plus open
Dimmer/shutter. . . . . full range dimming, variable speed flash
Motorized zoom . . . . .see photometric data for zoom beam angles
Light buster mode . . . . .narrow beam with diffuser removed
Pan. . . . . 540°
Tilt . . . . 267°

Color filters

Shape. . . . . .hexangular
Thickness . . . . .1.2 mm
Type . . . . .dichroic

Design standards

EU EMC. . . . . EN 50 081-1, EN 50 082-1
EU safety . . . . EN 60598-1, EN 60598-2-17
Canadian safety . . . . CSA C22.2 No. 166
US safety . . . . ANSI/UL 157

Listings

CE . . . . EN 55015:2000, EN 55103-1:1996, EN 61547:1995, EN 60598-2-17 + Corr.,A2:1989

Construction

Housing . . . . .UV-resistant fiber-reinforced composite
Colors. . . . . .black
Protection factor. . . . . .IP 20

Installation

Mounting points . . . . 8 pairs of 1/4-turn locks, offset 45°
Orientation . . . . any

Ordering information

MAC 2000 Wash in 2-unit flight case . . . . P/N 90203000
MAC 2000 Wash E in single-unit flight case . . . . P/N 90203010
MAC 2000 Wash E (in a cardboard packing case) . . . . P/N 90203015

Included items

2 x Omega bracket, 1/4-turn
PC lens
Fresnel lens
Super-wide-angle lens
User manual
30 mm (1.2 in), 40 mm (1.6 in), 45 mm (1.8 in) and 50 mm (2 in) aperture rings

Accessories

DABS1 USB-XLR interface . . . . P/N 91611144
MP-2 Uploader . . . . P/N 90758420
G-clamp . . . . P/N 91602003
Half-coupler clamp . . . . P/N 91602005
The Wife DMX Tester . . . . P/N 91611038
MAC 2000 Wash Dimmer Wheel . . . . P/N 62324018
MAC 2000 Wash Barndoors . . . . P/N 91611059
MAC 2000 Double Flight Case. . . . . P/N 91510017
OSRAM HMI1200 W/S lamp . . . . P/N 97010309
Philips MSI 1200 . . . . *refer to your Martin Dealer*