



The MAC 2000 Wash is the industry's wash light of choice. It is exceptionally powerful with a clean, even, soft-edged beam, a motorized zoom and rich CMY color mixing supplemented with two color wheels.

- n 1200 W short arc discharge lamp
- n CMY color mixing system
- n 2 x 4 position color wheels plus open
- n Variable CTC
- n Strobe effect up to 10 Hz, pulse effects, instant open and blackout
- n Motorized zoom
- n Lens Options: PC, Fresnel and super-wide (all included) and micro-Fresnel
- n Mechanical dimming
- n 12.5-95° beam angle
- n Pan and tilt range of 540°/267°
- n Modular design for easy maintenance and servicing
- n Electronic ballast with hot lamp restrike and flicker free light
- n Variable fan control for quieter operation

Physical Length: 408 mm
 Width: 490 mm
 Height: 750 mm, head straight up
 Weight: 34 kg

Dynamic Effects Color mixing: CMY, independently variable 0 - 100%
 Color correction: 0 - 178 mireds, continuously variable
 Color wheel: 2 wheels, each with 4 interchangeable filters + open position
 Mechanical dimmer: 0 - 100%
 Shutter: Strobe effect up to 10 Hz, pulse effects, instant open and blackout
 Zoom: Motorized
 Hyper mode: Narrow beam with diffuser removed
 Pan: 540°
 Tilt: 267°

Control and Programming DMX channels: 19/21
 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: 1200 W short-arc discharge
 Fitted as standard: Philips MSR 1200 SA/DE Gold
 Color temperature: 6000 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): Osram HTI 1200 D7/60 SharXS

Optics Beam angle: PC lens 12.5° - 37°, Fresnel lens 13° - 40°, multi-array super-wide lens 80° - 95°, 1/10 peak angles, with 50 mm (2.0 in.) aperture

Construction Color(s): Black
Housing: UV-resistant fiber-reinforced composite
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 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: 15 AT (x 2, for use with 208-240 V power)
Main fuse: 20 AT (x 2, for use with 100-120 V power)

Typical Power and Current 100 V, 60 Hz: 1580 W, 19.8 A, PF 0.815
120 V, 60 Hz: 1520 W, 17.7 A
208 V, 60 Hz: 1450 W, 10.2 A
220 V, 50 Hz: 1445 W, 9.1 A, PF 0.699
230 V, 60 Hz: 1460 W, 9.4 A
250 V, 50 Hz: 1450 W, 8.8 A
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, Ta=40° C: 140° C
Total heat dissipation (calculated, +/- 10% at 110 V, 60 Hz / 230 V, 50 Hz): 5120 BTU/hr.

Approvals EU safety: EN 60598-2-17
EU EMC: EN 55 015, EN 55 103-1, EN 61 547
US safety: UL 1573
Canadian safety: CAN/CSA E60598-1, CAN/CSA E598-2-17

Included Items Philips MSR 1200 SA/DE Gold lamp (installed): 97010310
Front module with Fresnel lens (installed): 55203003
Front module with PC lens: 55203006
Front module with super wide-angle lens: 55203012
30 mm aperture ring: 23807480
40 mm aperture ring: 23807460
45 mm aperture ring: 23807470
Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001
User manual: 35000114

Accessories MAC 2000 Wash XB Upgrade Kit: 91310980
MAC 2000 Wash + XB Beam Kit: 91610103
MAC 2000 Wash Dimmer Wheel: 62324018
Micro-Fresnel lens (very narrow beam angle): 91610092
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 (SIP) for MAC 2000 Series: 91510170

Spare Parts Philips MSR 1200 SA/DE Gold lamp: 97010310

15 AT main fuse: 05020039

20 AT main fuse: 05020040

Ordering Information MAC 2000 Wash in single flightcase: 90203010

MAC 2000 Wash in cardboard box: 90203015

P/N 90203000 (MAC 2000 Wash in 2-unit flightcase) is replaced by P/N 90204000 (MAC 2000 Wash XB in 2-unit flightcase):

Published on: 8 Jul 2014. © 2013-2014 Martin Professional ApS. Specifications subject to change without notice