The MAC III Wash is a full-feature, full-range wash luminaire with a unique internal barndoor system (shutters) that enables designers to shape and control light projection onto stages, performers, scenery, scrims or any set element with great precision. Its internal framing system makes it a highly capable, automated substitute for a conventional 2.5 kW daylight Fresnel fixture.

The MAC III Wash features an outstanding quality of light with unlimited color choices and impressive power. Unlike other fixtures, the MAC III Wash maintains near full efficiency throughout the entire zoom range with no visible beam jump when zooming from tight to wide.

- Powerful wash light with internal barndoors
- 1:4 fully linear zoom and no lens changes
- CMY color mixing plus color wheel
- Variable CTO
- Iris
- Dimmer / Shutter
- 9-inch Fresnel lens
- Optional clear PC lens
- Very quiet

Physical
Length (Head): 712 mm (28.0 in.)
Width: 536 mm (21.1 in.)
Height: 936 mm (36.9 in.)
Weight: 53.5 kg (117.9 lbs.)

Lamp
Type: 1500 W short-arc discharge
Color temperature: 6000 K
CRI (Color rendering index): >85
Average lifetime: 750 hours
Hot restrike: Semi-hot (restrike in under 90 seconds)
Socket: PGJ50
Ballast: Electronic

Dynamic Effects
Color mixing: CMY, independently variable 0 - 100%
Color temperature control: CTO, variable 6000 - 3200 K
Color wheel: 7 interchangeable dichroic filters + open, indexing, continuous rotation, random color
Beam shaping: Internal barn doors, continuously variable opening, +55°/-55° indexed rotation
Iris: Variable, pulse effects
Mechanical dimmer: 0 - 100%, choice of four dimming curves
Mechanical shutter: Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Zoom: Motorized
Pan: 540°
Tilt: 268°
Position correction system: Absolute position monitoring

Control and Programming
DMX channels: 21
Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX
RDM: Implemented
16-bit control: Dimmer, gobo indexing (gobo wheels 1 and 2), focus, zoom, pan and tilt
DMX compliance: USITT DMX512-A
RDM compliance: ANSI/ESTA E1.20
Receiver: Opto-isolated RS-485
Firmware update: USB memory device or USB/DMX hardware interface over DMX link

Service Utilities
Fixture identification: User-settable 4-digit ID number

Photometric Data
Max. luminous flux: > 50 000 lumens
Max. luminous intensity: 5 900 000 candela (narrow zoom)
Photometric data is preliminary

Construction
Color(s): Black
Housing: Magnesium alloy, UV-resistant fiber-reinforced composite
Reflector: Glass, cold light
Protection rating: IP20

Installation
Mounting points: Eight quarter-turn locking points
Orientation: Any
Minimum distance to illuminated surfaces: 5.8 m (19.0 ft.)
Minimum distance to combustible materials: 0.2 m (0.7 ft.)

Connections
AC power input: Neutrik PowerCon
DMX and RDM data in/out: 5-pin locking XLR
Ethernet (Artnet II compatible, ACN-ready): Neutrik RJ-45 socket (accepts Neutrik EtherCon connectors in housing)
USB memory devices: USB host socket
Future USB options: USB device socket

Electrical
AC power: 200-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch-mode
Main fuses: 16 AT (x 2)

Typical Power and Current
200 V, 50 Hz: 1801 W, 9.0 A, PF 0.996
200 V, 60 Hz: 1805 W, 9.1 A, PF 0.995
208 V, 60 Hz: 1802 W, 8.8 A, PF 0.994
220 V, 50 Hz: 1788 W, 8.2 A, PF 0.994
230 V, 50 Hz: 1783 W, 7.8 A, PF 0.993
240 V, 50 Hz: 1779 W, 7.5 A, PF 0.989
240 V, 60 Hz: 1786 W, 7.5 A, PF 0.987
Measurements made at nominal voltage. Allow for a deviation of +/- 10%.
PF = power factor

Thermal
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): 170° C (338° F)
Total heat dissipation (calculated, +/- 10% at 200 V, 60 Hz): 6160 BTU/hr.

Approvals

C E

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

Included Items
Lamp (installed)
Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001

Accessories
Power cable, AWG12, SJT, with Neutrik PowerCon NAC3FCA input connector, 3 m (9.8 ft.): P/N 11541503
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804

Philips MSR Gold 1500 Fastfit lamp: **P/N 97010340**
Omega clamp attachment bracket with 1/4-turn fasteners: **P/N 91602001**
T-shaped omega clamp attachment bracket with 1/4-turn fasteners: **P/N 91602008**
Half-coupler clamp: **P/N 91602005**
G-clamp (suspension with yoke vertically downwards only): **P/N 91602003**
Quick-trigger clamp (suspension with yoke vertically downwards only): **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**
Safety wire, safe working load 70 kg (154.3 lbs.): **P/N 91604004**
Flightcase for 1 x MAC III: **P/N 91510080**

Related Items   Martin USB Duo ™ DMX Interface Box: **P/N 90703010**
Martin RDM 5.5 Splitter ™ : **P/N 90758150**

Spare Parts   Base air filter, short: **P/N 20800220**
Base air filter, long: **P/N 20800230**
Head air filter: **P/N 20800240**
Main fuse (16 AT): **P/N 05020047**

Ordering Information   MAC III ™ Wash in cardboard box: **P/N 90206520**
MAC III ™ Wash in single flightcase: **P/N 90206530**

Shipping Information   **In cardboard carton**
Shipping dimensions (LxWxH): **530 mm (20.9 in.) x 640 mm (25.2 in.) x 1060 mm (41.7 in.)**
Shipping weight: **64 kg (141.1 lbs.)**
Quantity on pallet: **Four products in single layer**
Pallet dimensions (LxWxH): **1200 mm (47.2 in.) x 1000 mm (39.4 in.) x 1320 mm (52.0 in.)**
Pallet volume: **1.9 m^3**
Pallet weight (incl. pallet): **275 kg (606.3 lbs.)**
In flightcase
Shipping dimensions (LxWxH): **970 mm (38.2 in.) x 600 mm (23.6 in.) x 930 mm (36.6 in.)**
Shipping weight: **104 kg (229.3 lbs.)**
Quantity on pallet: **Four products in two layers**
Pallet dimensions (LxWxH): **1200 mm (47.2 in.) x 1000 mm (39.4 in.) x 1800 mm (70.9 in.)**
Pallet volume: **2.2 m^3**
Pallet weight (incl. pallet): **430 kg (948.0 lbs.)**