



The MAC III Performance is a high-output profile moving head with a new interleaved framing system with full crossover of each blade and industry-first continuous rotation for new and unlimited projection, framing and effects possibilities. It is available as a stand-alone fixture or as an easy-to-swap module that installs in minutes on any MAC III Profile™.

1500 W short arc discharge lamp with Lok-it™ base

CMY color mixing system

Framing system with unique continuous rotation, full blade crossover with uniform focus of each blade

7-position color wheel plus open

Variable CTO

Gobo animation wheel with full movement / direction control

Motorized iris

Mechanical and electronic strobe effect 2 - 10 Hz, pulse effects, instant open and blackout

Uniform dimming plus mechanical shutter for total blackout

1:5 zoom with focus tracking

Modular design for easy maintenance, servicing and product conversion

Electronic ballast, fast lamp re-strike and flicker free light

Pan and tilt (540°/267°) with absolute positioning control

RDM ready, service USB and Art-Net II prepared

Battery powered TFT display and jog wheel navigation

Patented very low-noise cooling. Quietest fixture in its class

Easy conversion between a profile and performance - no need to invest in two separate fixtures

5 indexable rotating gobos

Framing of focused gobo

Physical Length (Head): 712 mm
Width: 536 mm
Height: 936 mm
Weight: 56.5 kg

Lamp Type: 1500 W short-arc discharge
Fitted as standard: Osram HTI 1500W/60/P50 Lok-it
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	<p>Color mixing: CMY, independently variable 0 - 100%</p> <p>Color temperature control: CTO, variable 6000 - 3200 K</p> <p>Color wheel: 7 interchangeable dichroic filters + open, indexing, continuous rotation, random color</p> <p>Rotating gobo wheel: Rotating gobo wheel with 5 interchangeable rotating gobos + open, gobo indexing, continuous rotation and shake</p> <p>Framing: Continuously rotatable framing module with 4 individually controllable blades</p> <p>Gobo animation: Interchangeable animation wheel, indexing, continuous rotation with variable angle, speed and direction</p> <p>Zoom-focus linking system: 3-zone</p> <p>Pan: 540°</p> <p>Tilt: 268°</p> <p>Position correction system: Absolute position monitoring</p> <p>Beam effects: Interchangeable frost filter (or rotating interchangeable prism)</p> <p>Iris: 0 - 100%, pulse effects</p> <p>Dimming: Combined electronic and mechanical 0-100% continuous dimming, choice of four dimming curves</p> <p>Mechanical shutter: Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout</p> <p>Focus: 2 m to infinity</p> <p>Zoom: 11.5° - 55° (cut-off angle)</p>
Control and Programming	<p>DMX channels: 33/40</p> <p>Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX</p> <p>RDM: Implemented</p> <p>16-bit control: Dimmer, gobo indexing (gobo wheel 1), frame rotation, focus, zoom, pan and tilt</p> <p>DMX compliance: USITT DMX512-A</p> <p>RDM compliance: ANSI/ESTA E1.20</p> <p>Receiver: Opto-isolated RS-485</p> <p>Firmware update: USB memory device or USB/DMX hardware interface over DMX link</p>
Service Utilities	<p>Fixture identification: User-settable 12-digit ID number</p>
Construction	<p>Color(s): Black</p> <p>Housing: Magnesium alloy, UV-resistant fiber-reinforced composite</p> <p>Reflector: Glass, cold light</p> <p>Protection rating: IP20</p>
Gobos	<p>Size: E</p> <p>Approved material: Borosilicate 3.3 or better with dichroic or heavy matted aluminum coating (metal gobos not approved)</p> <p>Outside diameter: 37.5 mm +/- 0.2 mm</p> <p>Maximum image diameter: 30 mm +/- 0.4 mm</p> <p>Maximum thickness: 1.1 mm +/- 0.1 mm</p>
Gobo Animation Wheel	<p>Outside diameter: 133.9 mm +/- 0.1 mm</p> <p>Image outer diameter: 130 mm</p> <p>Image inner diameter: 32 mm</p> <p>Thickness: 1.1 mm +/- 0.1 mm</p> <p>Construction: Borofloat or better with dichroic or enhanced aluminum coating</p>
Installation	<p>Mounting points: Eight quarter-turn locking points</p> <p>Orientation: Any</p> <p>Minimum distance to illuminated surfaces: 2.5 m</p> <p>Minimum distance to combustible materials: 0.2 m</p>
Connections	<p>AC power input: Neutrik PowerCon connector with 3 m cable tail</p> <p>DMX and RDM data in/out: 5-pin locking XLR</p>

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
Maximum surface temperature, steady state, Ta=40° C: 170° C
Total heat dissipation (calculated, +/- 10% at 200 V, 60 Hz): 6160 BTU/hr.

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

Included Items Lamp (installed): 97010347
Tribal waves gobo animation wheel (installed): 62325143
Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001
User manual: 35000247

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