



The MAC III Profile offers a perfect balance between a superior feature list and ultimate performance. This high-output profile combines advanced 1500 watt lamp technology with superb optical efficiency, an innovative design and great feel to take moving head performance to a higher level.

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

CMY plus variable CTO with non-fade coating technology

7 position color wheel plus open

Interchangeable 4-facet rotating and indexable prism

Motorized iris

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

Gobo animation wheel with full movement / direction control

1:5 zoom with focus tracking

Completely uniform dimming plus mechanical shutter for total blackout

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

Modular design for easy maintenance, servicing and product conversion

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

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

RDM ready, service USB and Art-Net II prepared

Battery powered TFT display and jog wheel navigation

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

2 x 5 indexable rotating gobos plus open

Physical Length (Head): 712 mm
Width: 536 mm
Height: 936 mm
Weight: 53.5 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 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
Rotating gobo wheel: **Two rotating gobo wheels**, each with 5 interchangeable rotating gobos + open, gobo indexing, continuous rotation and shake
Gobo animation: **Interchangeable animation wheel**, indexing, continuous rotation with variable angle, speed and direction
Prism: **Interchangeable 4-facet rotating prism**
Tilt: **268°**
Pan: **540°**
Zoom-focus linking system: **3-zone**
Iris: **0 - 100%**, pulse effects
Dimming: **Combined electronic and mechanical 0-100%** continuous dimming, choice of four dimming curves
Mechanical shutter: **Strobe effect 2 - 10 Hz**, pulse effects, instant open and blackout
Focus: **2 m to infinity**
Zoom: **11.5° - 55° (cut-off angle)**
Position correction system: **Absolute position monitoring**

Control and Programming 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**
16-bit control: **Dimmer, gobo indexing (gobo wheels 1 and 2), focus, zoom, pan and tilt**
RDM: **Implemented**
Setting and addressing: **Control panel with backlit graphic display and jog wheel or via DMX**
DMX channels: **27/30**

Service Utilities Fixture identification: **User-settable 12-digit ID number**

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

Gobos Size: **E**
Approved material: **Borosilicate 3.3 or better with dichroic or heavy matted aluminum coating (metal gobos not approved)**
Outside diameter: **37.5 mm +0/- 0.2 mm**
Maximum image diameter: **30 mm +/- 0.4 mm**
Maximum thickness: **1.1 mm +/- 0.1 mm**

Gobo Animation Wheel Outside diameter: **133.9 mm +/- 0.1 mm**
Image outer diameter: **130 mm**
Construction: **Borofloat or better with dichroic or enhanced aluminum coating**
Thickness: **1.1 mm +/- 0.1 mm**
Image inner diameter: **32 mm**

Installation Minimum distance to illuminated surfaces: **2.5 m**
Minimum distance to combustible materials: **0.2 m**
Orientation: **Any**
Mounting points: **Eight quarter-turn locking points**

Connections AC power input: **Neutrik PowerCon connector with 3 m cable tail**
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
Maximum surface temperature, steady state, Ta=40° C: 170° C
Total heat dissipation (calculated, +/- 10% at 200 V, 60 Hz): 6160 BTU/hr.

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

Included Items User manual: 35000214
Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001
Tribal waves gobo animation wheel (installed): 62325143
Lamp (installed): 97010347

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