

The MAC III Profile offers a perfect balance between a superior feature list and ultimate performance. This high-output profile spot combines a new 1500 watt lamp technology with superb optical efficiency, a new 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
- Zoom and focus with zoom-focus tracking
- Completely uniform dimming plus mechanical shutter for total blackout
- Two gobo wheels, each with 5 indexable rotating gobos
- 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
- Pan and tilt (540°/267°) with absolute positioning control
- Patented very low-noise cooling
- Modular design for easy maintenance, servicing and product conversion
- Electronic ballast, fast lamp re-strike and flicker free light
- RDM ready, Art-Net II prepared and service USB
- Battery powered TFT display and jog wheel navigation

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
Fitted as standard: Osram HTI 1500W/60/P50
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 0 - 100%
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
Iris: 0 - 100%, pulse effects
Mechanical dimmer: 0 - 100%, choice of four dimming curves
Mechanical shutter: Strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Focus: 2 m (6.6 ft.) to infinity
Zoom: 11.5° - 55°
Zoom-focus linking system: 3-zone
Pan: 540°
Tilt: 268°
Position correction system: Absolute position monitoring

Control and Programming DMX channels: 27/30
Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX
16-bit control: Dimmer, gobo indexing (gobo wheels 1 and 2), focus, zoom, pan and tilt
Protocol: USITT DMX512-A, RDM
Receiver: Opto-isolated RS-485
Firmware update: USB memory device or USB/DMX hardware interface over DMX link

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 (1.5 in.) +/- 0.2 mm (0.01 in.)
 Maximum image diameter: 30 mm (1.2 in.) +/- 0.4 mm (0.02 in.)
 Maximum thickness: 1.1 mm (0.04 in.) +/- 0.1 mm (0.004 in.)

Gobo Animation Wheel Outside diameter: 133.9 mm (5.3 in.) +/- 0.1 mm (0.004 in.)
 Image outer diameter: 130 mm (5.1 in.)
 Image inner diameter: 32 mm (1.3 in.)
 Thickness: 1.1 mm (0.04 in.) +/- 0.1 mm (0.004 in.)
 Construction: Borofloat or better with dichroic or enhanced aluminum coating

Installation Mounting points: 2 pairs of 1/4-turn locks
 Orientation: Any
 Minimum distance to illuminated surfaces: 2.5 m (8.2 ft.)
 Minimum distance to combustible materials: 0.2 m (0.7 ft.)

Connections AC power input: Neutrik powerCON connector with 3 m (9.8 ft.) 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)

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



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: CSA C22.2 No. 166

Included Items Osram HTI 1500W/60/P50 lamp (installed): P/N 97010326
 Tribal waves gobo animation wheel (installed): P/N 62325143
 Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001
 User manual: P/N 35000214
 3 m (9.8 ft.) power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector: P/N 11541503

Accessories 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
 Swing-wing mounting plate with half-couplers: P/N 91602010
 Super Truss 20.5" mounting plate with half-couplers: P/N 91602014

Ordering Information MAC III Profile in cardboard box: P/N 90206000
 MAC III Profile in single flightcase: P/N 90206001

Photometric Data

Standard , Zoom at Minimum	Efficiency: 22% Efficacy: 18 lumens per watt Half-peak angle: 7° Total output: 31500 lm
Standard , Zoom at Median	Efficiency: 23% Efficacy: 19 lumens per watt Half-peak angle: 22° Total output: 33300 lm
Standard , Zoom at Maximum	Efficiency: 23% Efficacy: 19 lumens per watt Half-peak angle: 35° Total output: 33900 lm

Published on: 20 May 2010. © 2008-2010 Martin Professional A/S. Specifications subject to change without notice