

The MAC 250 Entour is a brilliant, feature rich profile with two gobo wheels, a color wheel, dimmer, shutter, prism and focus. Superior optics and an extremely user friendly construction make it ideal for the rigors of today's rental market.

- 250 W long life discharge lamp
- 12 position color wheel plus open
- 10 static gobos plus open
- 7 indexable rotating gobos plus open
- Motorized focus
- 14° lens included
- Mechanical dimming
- Interchangeable 3-facet rotating prism
- Strobe effect up to 14 Hz, pulse effects, instant open and blackout
- Pan and tilt range of 540°/257°
- Variable fan control for quieter operation
- Tilt lock
- Modular design for easy maintenance and servicing

**Physical** Length: 375 mm (14.8 in.)  
Width: 315 mm (12.4 in.)  
Height: 538 mm (21.2 in.), head straight up  
Weight: 22.4 kg (49.4 lbs.)

**Lamp** Type: 250 W discharge  
Fitted as standard: Philips MSD 250/2  
Color temperature: 8500 K  
CRI (Color rendering index): 65  
Average lifetime: 3000 hours  
Hot restrike: No  
Socket: GY 9.5  
Ballast: Magnetic  
Approved alternative lamp(s): Osram HSD 250/80, GE CSD 250/2


**Dynamic Effects** Color wheel: 12 colors (incl. CTC) + open, full and split positions, continuous rotation  
Gobo wheel: 10 interchangeable gobos + open, indexing, shake and continuous rotation  
Rotating gobos: 7 interchangeable gobos + open, indexing, continuous gobo rotation, shake, continuous scrolling  
Prism: Interchangeable 3-facet rotating prism  
Mechanical dimmer: 0 - 100%  
Shutter: Strobe effect up to 14 Hz, pulse effects, instant open and blackout  
Focus: 2 m (6.6 ft.) to infinity  
Pan: 540°  
Tilt: 257°

**Optics** Beam angle: Narrow lens 14.5°, standard lens 18°, cut-off angles

**Control and Programming** DMX channels: 15/18  
Setting and addressing: Control panel with LED display  
16-bit control: Color wheel, rotating gobos, dimmer, focus, pan and tilt  
Movement control options: Tracking and vector  
Protocol: USITT DMX512/1990  
Receiver: Opto-isolated RS-485  
Firmware update: Serial upload via DMX link

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

**Gobos** Outside diameter: 22.5 mm (0.9 in.) + 0/- 0.3 mm (0.01 in.)  
Maximum image diameter: 17 mm (0.7 in.)  
Maximum thickness: 1.8 mm (0.1 in.)  
Recommended glass: High-temperature Borofloat or better with dichroic or enhanced aluminum coating  
Recommended metal: Aluminum (steel for temporary use only)

<b>Installation</b>	Mounting points: 2 pairs of 1/4-turn locks Orientation: Any
<b>Connections</b>	AC power input: 3-pin IEC DMX data in/out: 3-pin and 5-pin locking XLR
<b>Electrical</b>	AC power: 100-240 V nominal, 50/60 Hz Power supply unit: User-reconfigurable voltage and frequency settings Main fuse: 6.3 AT (slow blow)
<b>Typical Power and Current</b>	100 V, 50 Hz: 319 W, 3.8 A, PF 0.83 100 V, 60 Hz: 317 W, 3.4 A, PF 0.93 120 V, 50 Hz: 320 W, 2.9 A, PF 0.91 120 V, 60 Hz: 314 W, 2.7 A, PF 0.96 208 V, 50 Hz: 320 W, 1.9 A, PF 0.81 208 V, 60 Hz: 319 W, 1.7 A, PF 0.92 230 V, 50 Hz: 323 W, 1.6 A, PF 0.89 230 V, 60 Hz: 326 W, 1.5 A, PF 0.95 250 V, 50 Hz: 326 W, 1.5 A, PF 0.89 <i>Measurements made at nominal voltage. Allow for a deviation of +/- 10%.</i>
<b>Thermal</b>	Cooling: Filtered forced air (temperature-regulated) Maximum ambient temperature (Ta max.): 40° C (104° F) Maximum surface temperature, steady state, Ta=40° C (104° F): 160° C (320° F) Total heat dissipation (calculated, +/- 10%): 1120 BTU/hr.
<b>Approvals</b>	 <p>EU safety: 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</p>
<b>Included Items</b>	Philips MSD 250/2 lamp (installed): P/N 97010100 Narrow lens with adapter: P/N 41200029 3 m (9.8 ft.) power cable, 3-pin IEC: P/N 11501013 Two T-shaped Omega brackets with 1/4 turn fasteners: P/N 91602008 User manual: P/N 35000126
<b>Accessories</b>	Osram HSD 250/80 lamp: P/N 97010116 G-clamp: P/N 91602003 Half-coupler clamp: P/N 91602005 Quick trigger clamp: P/N 91602007 Double flightcase for MAC 250 Krypton/Entour/Wash: P/N 91510014
<b>Spare Parts</b>	Philips MSD 250/2 lamp: P/N 97010100 Main fuse (6.3 AT): P/N 05020020 Fuse F1 (6.3 AT): P/N 05020020 Fuse F2 (2 AT): P/N 05020009
<b>Ordering Information</b>	MAC 250 Entour in cardboard box: P/N 90225710 MAC 250 Entour in double flightcase: P/N 90225700

## Photometric Data

<b>Standard</b>	Efficiency: 28% Half-peak angle: 9.7° Total output: 5000 lm
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**Narrow** Efficiency: 22%  
Half-peak angle: 7.9°  
Total output: 4000 lm

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