



# MAC 250 Entour

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.

## FEATURES

- 250 W long life discharge lamp
- 12 position color wheel plus open
- Total output up to 5000 lumens
- Interchangeable rotating prism
- Strobe effect up to 14 Hz, pulse effects, instant open and blackout
- Motorized focus
- 14° lens included
- Mechanical dimming
- Additional lens included
- Pan and tilt range of 540°/257°
- Tilt lock
- Variable fan control for quieter operation
- 10 static gobos plus open
- 7 indexable rotating gobos plus open

## TECHNICAL SPECIFICATIONS

### Physical

Length: 375 mm  
Width: 315 mm  
Height: 538 mm, head straight up  
Weight: 22.4 kg

### 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 to infinity  
Pan: 540°  
Tilt: 257°

### 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

### Lamp

Type: 250 W discharge  
Fitted as standard: Sylvania BA 250/2  
Color temperature: 8000 K  
CRI (Color rendering index): >85  
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, Philips MSD 250/2

#### Optics

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

#### Construction

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

#### Gobos

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

#### Installation

Mounting points: 2 pairs of 1/4-turn locks  
Orientation: Any

#### Connections

AC power input: 3-pin IEC  
DMX data in/out: 3-pin and 5-pin locking XLR

#### Electrical

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)

#### Typical Power and Current

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

*Measurements made at nominal voltage. Allow for a deviation of +/- 10%.*

#### Thermal

Cooling: Filtered forced air (temperature-regulated)  
Maximum ambient temperature (Ta max.): 40° C  
Maximum surface temperature, steady state, at 40° C ambient: 160° C (320° F)  
Total heat dissipation (calculated, +/- 10%): 1120 BTU/hr.

#### Approvals

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

#### Included Items

Philips MSD 250/2 lamp (installed): 97010100  
Narrow lens with adapter: 41200029  
3 m power cable, 3-pin IEC: 11501013  
Two T-shaped Omega brackets with 1/4 turn fasteners: 91602008  
User manual: 35000126

#### Accessories

Osram HSD 250/80 lamp: 97010116  
G-clamp: 91602003  
Half-coupler clamp: 91602005  
Quick trigger clamp: 91602007  
Double flightcase for MAC 250 Krypton/Entour/Wash: 91510014

#### Spare Parts

Main fuse (6.3 AT): 05020020  
Fuse F1 (6.3 AT): 05020020  
Fuse F2 (2 AT): 05020009

#### Ordering Information

MAC 250 Entour in cardboard box: 90225710  
MAC 250 Entour in double flightcase: 90225700

