

**MAC 350 Entour™**

# LED PROFILE



**Martin**<sup>®</sup>  
by HARMAN

# Unrivaled hard-edge LED movinghead

The MAC 350 Entour is a cutting-edge LED profile fixture with no peers. It surpasses what has previously been possible in terms of brightness, efficiency and compactness in a hard-edge LED fixture.

Featuring proprietary LED technology, it is the market's first real alternative to traditional HID-based profile fixtures.

- 3000 lm output via 7 high power LEDs
- Brighter than 300 watt HID fixtures and no lamp replacements
- Compact and light
- Enhanced color rendition and spectrum
- Full electronic dimming
- Excellent projection quality
- Totally flicker-free and quiet
- Energy and cost savings

## Specifications Preliminary Data

### Physical

Length: 387 mm (15.2 in.) including handles  
Width (Base): 220 mm (8.7 in.)  
Height: 454 mm (17.9 in.), head horizontal  
Height: 471 mm (18.5 in.), head straight up  
Weight: 16 kg (35.3 lbs.)

### Dynamic Effects

Color wheel: 8 interchangeable dichroic filters + open, full and split colors, music trig, continuous rotation, random color  
Rotating gobo wheel: 6 interchangeable gobos + open, indexing, continuous gobo rotation & scrolling, shake  
Iris: Motorized  
Electronic dimming: 0 - 100%, choice of four dimming curves  
Strobe effect: Electronic, with pulse and random effects  
Focus: 2 m (6.6 ft.) to infinity  
Pan: 540°  
Tilt: 257°  
Adjustable pan/tilt and effects speed

### Optics

Light source: 7 x 50 W LEDs  
Minimum LED lifetime: 60 000 hours (70% maintenance)

### Control and Programming

Control options: DMX, stand-alone, synchronized (master/slave)  
DMX channels: 12/15  
Setting and addressing: Control panel with LED display  
Macro programs: 10 pan/tilt and 10 effects macros, all with staggered start/chase feature

Macro selection: DMX or onboard control panel  
Movement control options: Tracking and vector  
Protocol: USITT DMX512/1990  
Stand-alone memory: 100 scenes  
Stand-alone and master/slave programming: Control panel with LED display  
Transceiver: RS-485  
Fixture software update: Serial upload via DMX link  
16-bit control: Rotating gobo indexing, pan & tilt

### Photometric Data

Total output: 8000 lm  
CRI (color rendering index): 70  
Efficiency: 55%  
Efficacy: 18.6 lumens per watt  
Color temperature: 6500 K

### Construction

Color: Black  
Housing: UV-resistant fiber-reinforced composite and die-cast aluminum  
Protection rating: IP20  
Installation Mounting points: 2 pairs of 1/4-turn locks  
Orientation: Any  
Connections AC power input: Neutrik PowerCon  
DMX data in/out: 5-pin locking XLR

### Electrical

AC power: 100-130/200-240 V nominal, 50/60 Hz  
Maximum total power consumption: 430 W  
Power supply unit: Auto-ranging electronic switch mode  
Main fuses: 10 AT (slow blow) x 2  
Standby power: 18 W (idle mode, dimmed to zero)

### Thermal

Cooling: Forced air (temperature-regulated, low noise,

user-definable levels)

Max. ambient temperature (Ta max.): 40° C (104° F)  
Maximum surface temperature, steady state, Ta=40° C (104° F): 120° C (248° F)  
Total heat dissipation (calculated, +/- 10%): 1470 BTU/hr.

### Approvals

EU safety: EN 60598-1, EN 60598-2-17  
EU EMC: EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-4  
US safety (US model), pending: UL 1573  
Canadian safety (US model), pending: CSA C22.2 No. 166  
Australia/NZ: C-TICK N4241

### Included Items

Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001  
User manual

### Accessories

G-clamp: P/N 91602003  
Half-coupler clamp: P/N 91602005  
Quick trigger clamp: P/N 91602007  
T-shaped omega bracket with quarter-turn fasteners: P/N 91602008  
Omega bracket: P/N 91602001  
Safety wire, universal, safe working load 50 kg (110.2 lbs.): P/N 91604003  
Two-unit flightcase for 2 x MAC 350

### Ordering Information

MAC 350 Entour, black, in cardboard box:  
P/N 90231400

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### About Martin Professional

As a world leader in the creation of dynamic lighting solutions for the entertainment, architectural, and commercial sectors, Martin lighting and video systems are renowned the world over. Martin also offers a range of advanced lighting controllers and media servers, as well as a complete line of smoke machines as a complement to intelligent lighting. Martin operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. Founded in 1987 and based in Aarhus, Denmark, Martin is the lighting division of global infotainment and audio company HARMAN International Industries.

For more information please visit



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