

MAC 350 Entour™

LED PROFILE



Martin[®]
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



HARMAN (www.HARMAN.com) designs, manufactures and markets a wide range of audio and infotainment solutions for the automotive, consumer and professional markets – supported by 15 leading brands, including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon® and Mark Levinson®. The Company is admired by audiophiles across multiple generations and supports leading professional entertainers and the venues where they perform. More than 25 million automobiles on the road today are equipped with HARMAN audio and infotainment systems. HARMAN's highly competent workforce is employed across the Americas, Europe and Asia.

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