

MAC 350 Entour™

LED PROFILE



Martin®

Unrivaled hard-edge LED moving head

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.

- **8000 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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