



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.

Highly efficient pure white LED source

Color wheel with 8 interchangeable dichroic colors - Split color effects and continuous rotation

Enhanced color spectrum and light quality maintenance

Motorized iris

Built-in macro effects

8000 lm output - Sufficient to replace 575 watt HID fixtures

Full electronic dimmer and strobe

Crisp and clean projection with no color artifacts

25° field angle (1/10 Peak)

Motorized focus

Greater reliability, less maintenance

Quiet for noise sensitive applications

DMX, stand-alone, synchronized (master/slave)

Compact, low weight design

6 rotating and indexable gobos

Increased energy efficiency

No lamp replacements necessary

Physical Length: 377 mm including handles
Width (Base): 220 mm
Height: 454 mm, head horizontal
Height: 471 mm, head straight up
Weight: 16.6 kg

Dynamic Effects Shutter effect: Electronic, with regular and random pulse, burst and strobe effects
Electronic dimming: 0 - 100%, choice of four dimming curves
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, with pulse and random effects
Focus: 2 m to infinity

Pan: 630°
Tilt: 300°
Adjustable pan/tilt and effects speed

Control and Programming Control options: DMX, stand-alone, synchronized (master/slave)
DMX channels: 14/17
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

Optics Light source: 7 x Luminus CBT-90 (50 W) LEDs
Minimum LED lifetime: 60 000 hours (to >70% luminous output)*
LED refresh rate: 610 Hz
**Figure obtained under manufacturer's test conditions*

Photometric Data Color temperature: 6500 K
CRI (color rendering index): 70
Efficiency: 55%

Construction Color: Black
Housing: UV-resistant fiber-reinforced composite and die-cast aluminum
Protection rating: IP20

Gobos Outside diameter: 27.9 mm +0/- 0.3 mm
Maximum image diameter: 23 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
Minimum distance to combustible materials: 200 mm
Minimum distance to illuminated surfaces: 0.5 m

Connections AC power input: Neutrik PowerCon
DMX data in/out: 5-pin locking XLR

Electrical AC power: 100-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch mode
Main fuses: 10 AT (slow blow) x 2
Standby power: Max. 49 W (idle mode, dimmed to zero)

Typical Power and Current 100 V, 50 Hz: 418 W, 4.2 A, PF 0.996
100 V, 60 Hz: 417 W, 4.2 A, PF 0.996
110 V, 60 Hz: 439 W, 4.0 A, PF 0.996
120 V, 60 Hz: 463 W, 3.9 A, PF 0.996
208 V, 60 Hz: 405 W, 2.0 A, PF 0.971
230 V, 50 Hz: 443 W, 2.0 A, PF 0.971
240 V, 50 Hz: 452 W, 2.0 A, PF 0.962

Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

Thermal Cooling: Forced air (temperature-regulated, low noise, user-definable levels)
Maximum ambient temperature (Ta max.): 40° C
Minimum ambient temperature (Ta min.): 5° C
Maximum surface temperature, steady state, Ta=40° C: 70° C
Maximum surface temperature after 5 minutes of operation, Ta=40° C: 70° C
Total heat dissipation (calculated, +/- 10%): 1580 BTU/hr.
Total heat dissipation at standby (calculated, +/- 10%): 170 BTU/hr.

Approvals EU safety: EN 60598-2-17, EN 62471
EU EMC: EN 55103-1, EN 55103-2, EN 55015, EN 61547
US safety: UL 1573
US EMC: FCC Part 15 Class A
Canadian safety: CAN/CSA E60598-1, CAN/CSA E598-2-17
Canadian EMC: ICES-003 Class A
Australia/NZ: C-TICK N4241

Included Items Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001
Two 10 AT main fuses (installed): 05021029
User manual:

Related Items Martin USB Duo™ DMX Interface Box: 90703010
Martin RDM 5.5 Splitter™: 90758150

Ordering Information MAC 350 Entour™, black, in cardboard box: 90231400

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