

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.

- LED source
- 7 extremely efficient high-power LEDs
- No lamp replacements
- 8 interchangeable dichroic colours with split colour effects and continuous rotation
- Enhanced colour spectrum and light quality maintenance
- 6 rotating and indexable gobos
- 8000 lm output
- Brighter than 300 watt HID fixtures
- Full electronic dimming and strobing
- Crisp and clean projection with no colour artifacts
- 25° field angle (1/10 peak)
- Motorized focus
- Motorized iris
- Ultra-crisp shutter and fast strobe effects
- Built-in macro effects
- Quiet for noise sensitive applications
- Increased energy efficiency
- Greater reliability, less maintenance
- Compact, low weight design
- DMX, stand-alone, synchronized (master/slave)

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 colours, music trig, continuous rotation, random colour
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

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

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

Photometric Data Total output: 8000 lm
Color temperature: 6500 K
CRI (color rendering index): 70
Efficiency: 55%

Efficacy: 18.6 lumens per watt

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

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
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: P/N 91602001
Neutrik PowerCon NAC3FCA male input connector: P/N 05342804
Two 10 AT main fuses (installed): P/N 05021029
User manual

Accessories 3-pin male XLR to 5-pin female XLR adaptor: P/N 11820004
5-pin male XLR to 3-pin female XLR adaptor: P/N 11820005
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, safe working load 50 kg: P/N 91604003
Four-unit flightcase for 4 x MAC 350: P/N 91510160

Related Items Martin USB Duo® DMX Interface Box: P/N 90703010

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

Photometric Data

Standard (All LEDs on)	Efficacy: 19.3 lumens per watt
	Half-peak angle: 16°
	Total output: 7700 lm

Published on: 2 Jun 2011. © 2010-2011 Martin Professional A/S. Specifications subject to change without notice