Specifications MAC 350 Entour

Physical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>16.6 kg (36.6 lbs.)</td>
</tr>
<tr>
<td>Height</td>
<td>454 mm (17.9 in.), head horizontal</td>
</tr>
<tr>
<td>Width (Base)</td>
<td>220 mm (8.7 in.)</td>
</tr>
<tr>
<td>Length</td>
<td>377 mm (14.8 in.) including handles</td>
</tr>
</tbody>
</table>

Optics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustable pan/tilt and effects speed</td>
<td></td>
</tr>
<tr>
<td>Tilt</td>
<td>257°</td>
</tr>
<tr>
<td>Pan</td>
<td>540°</td>
</tr>
<tr>
<td>Focus</td>
<td>2 m (6.6 ft.) to infinity</td>
</tr>
</tbody>
</table>

Electronic dimming

- 0 - 100%, choice of four dimming pulse, burst and strobe effects
- Shutter effect: Electronic, with regular and random
- Dynamic Effects
  - Macro programs: 10 pan/tilt and 10 effects macros, all with staggered start/chase feature

Shaking: Continuous, full and split colors, music trig, continuous rotation,
- Rotating gobo wheel: 6 interchangeable gobos + random color
- Color wheel: 8 interchangeable dichroic filters + open, curves

Thermal

- Maximum ambient temperature (T<sub>a</sub> max.): 40° C
- Maximum surface temperature, steady state, T<sub>a</sub> = 40° C (104° F)
- BTU/hr. Total heat dissipation (calculated, +/- 10%): 1580
- Cooling: Forced air (temperature-regulated, low noise, zero)

Installation

- Mounting points: 2 pairs of 1/4-turn locks
- Orientation: Any
- Minimum distance to combustible materials: 200 mm (7.9 in.)
- Minimum distance to illuminated surfaces: 0.5 m (1.6 ft.)
- Protection rating: IP20
- Housing: UV-resistant fiber-reinforced composite
- Color: Black

Photometric Data

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

Electrical

- AC power input: Neutrik PowerCon
- IEC/UL-CL: P/N 11820010 female XLR, 20 m (65.6 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820009 female XLR, 10 m (32.8 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820008 female XLR, 5-pin male XLR to 3-pin female XLR adaptor
- IEC/UL-CL: P/N 11820007 female XLR, 3-pin male XLR to 5-pin female XLR adaptor

Connections

- DMX data in/out: 5-pin locking XLR
- AC power: 100-240 V nominal, 50/60 Hz
- Main fuses: 10 AT (slow blow) x 2

Mass

- Weight: 16.6 kg (36.6 lbs.)
- Height: 454 mm (17.9 in.), head horizontal
- Width (Base): 220 mm (8.7 in.)
- Length: 377 mm (14.8 in.) including handles

Power supply unit

- Auto-ranging electronic switch

Electronics

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

Accessories

- Omega bracket: P/N 91602001
- T-shaped omega bracket with quarter-turn fasteners: P/N 91602001
- Half-coupler clamp: P/N 91602005
- Quick trigger clamp: P/N 91602007
- G-clamp: P/N 91602003
- IEC/UL-CL: P/N 11820009 female XLR, 20 m (65.6 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820008 female XLR, 10 m (32.8 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820007 female XLR, 5-pin male XLR to 3-pin female XLR adaptor
- IEC/UL-CL: P/N 11820006 female XLR, 3-pin male XLR to 5-pin female XLR adaptor
- IEC/UL-CL: P/N 11820005 female XLR, 1 m (3.3 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820004 female XLR, 10 cm (4 in.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820003 female XLR, 2 m (6.6 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820002 female XLR, 10 cm (4 in.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820001 female XLR, 1 m (3.3 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- User manual

Ordering Information

- MAC 350 Entour, black, in cardboard box: P/N 90231400
- Four-unit flightcase for 4 x MAC 350: P/N 91510160
- Safety wire, universal, safe working load 50 kg (110.2 lbs.): P/N 91604003
- Omega bracket: P/N 91602001
- T-shaped omega bracket with quarter-turn fasteners: P/N 91602001
- Half-coupler clamp: P/N 91602005
- Quick trigger clamp: P/N 91602007
- G-clamp: P/N 91602003
- IEC/UL-CL: P/N 11820010 female XLR, 20 m (65.6 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820009 female XLR, 10 m (32.8 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
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- IEC/UL-CL: P/N 11820003 female XLR, 2 m (6.6 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820002 female XLR, 1 m (3.3 ft.) DMX cable, STP, 3-pin male - 3-pin female XLR
- IEC/UL-CL: P/N 11820001 female XLR, 10 cm (4 in.) DMX cable, STP, 3-pin male - 3-pin female XLR
- User manual
Sets new standards for a hard-edge LED fixture

**The MAC 350 Entour is the most powerful and energy-efficient LED-based profile moving head fixture on the market to date. It marks a radical advancement in light output and quality compared to other LED profiles on the market.**

The direct result of a technology grant for the development of new LED technologies, the MAC 350 Entour surpasses what has previously been possible in terms of brightness, efficiency and compactness in a hard-edge LED fixture. The ideal LED profile for all manner of touring and event applications, the MAC 350 Entour is also highly suited to permanent installations in a wide variety of venues.

**The first real alternative to HID-based profile fixtures**

As the brightest LED profile on the market to date, light design is revolutionized. The MAC 350 Entour delivers 8,000 lumens of output from seven extremely efficient 50 W white LEDs, an output greater than many larger 250/300 watt fixtures and four times more than comparable fixtures. As the brightest LED profile on the market to date, light design is revolutionized. The MAC 350 Entour delivers 8,000 lumens of output from seven extremely efficient 50 W white LEDs, an output greater than many larger 250/300 watt fixtures and four times more than comparable fixtures.

**Energy saving**

Yet the MAC 350 Entour is an energy saving fixture as well. Unlike HID fixtures, it saves on energy by using very little power when the LED sources are not in use and only draws 450 W with all LEDs at full and only 18 W when idle.

**Efficiency – eliminates hazards, lowers costs**

The MAC 350 Entour is built to last 12,000 hours, eliminating any ongoing replacement costs for a lower cost of ownership. With better light output and color maintenance over time, the MAC 350 Entour delivers a more consistent look across fixtures.

The MAC 350 Entour offers other benefits of LED technology as well. The greater reliability, less maintenance and low energy consumption for longer life over the lifetime of the fixture.

An efficient fan cooling system draws no dirt or dust into the optics, which along with a quick maintenance and easy access design keeps service intervals to a minimum for lower service costs.

**Superior optics**

A superior optical system and variable focus produce crisp images or unfocused background effects with no color artifacts. Optical quality is superior to other products in its class.

Beam angle is 25° for a larger projection area, making the fixture ideal for a variety of installation settings like bars, lounges, restaurants and shops. And unlike most fixtures that remain sharp when projected at steep angles, the beam can be quickly and accurately resized via a motorized trim for larger throws. Image quality is sharp and clean with a deep field of focus for a more consistent look across fixtures.

**Superior color rendering**

The MAC 350 Entour produces an extended color spectrum that produces more natural skin tones than many discharge fixtures. The color wheel offers 8 interchangeable color filters plus open.

A motorized focus gives sharp projections or out-of-focus effects. Rotational and indexable glass and metal gobos provide great beam and projection effects.

A superior optical system and variable focus produce crisp images or unfocused background effects with no color artifacts. Optical quality is superior to other products in its class.

** Quiet**

For noise sensitive environments, the fixture can run in virtually silent mode if full light intensity is not required.

**Efficient fan cooling**

An efficient fan cooling system draws no dirt or dust into the optics, which along with a quick maintenance and easy access design keeps service intervals to a minimum for lower service costs.

**Compact, light, modular**

The MAC 350 Entour is extremely compact and lightweight and only 18 lbs when idle. An extremely durable and modular construction makes service and maintenance of easier process, saving on costs and total cost of ownership.

**Central controls**

Industry standard DMX-512 controllable, the MAC 350 Entour also operates in stand-alone mode (with master/ slave) without the need for a lighting controller. For even greater maintenance ease - and savings in time and effort - the MAC 350 Entour will support RDM feedback protocol in a future firmware release.

**User-selectable dimmer curves**

The MAC 350 Entour automatically adjusts for different voltages via an auto-sensing SMPS system for full worldwide compatibility.

**Outstanding effects set by the MAC 350 Entour**

Outstanding effects set by the MAC 350 Entour. The color wheel offers 8 interchangeable color filters plus open.

Electronically controlled, a motorized focus gives sharp projections or out-of-focus effects. Rotational and indexable glass and metal gobos provide great beam and projection effects.