An Aura of creativity!

The result of out-of-the-box creative thinking and pioneering optical research and development, the MAC Aura is the first compact LED moving head wash light with zoom that offers never-before-seen eye-candy aura™ effects plus functions as a highly capable single-lens wash with fully pre-mixed color.

The Aura’s ground-breaking optical system combines multicolor beam LEDs with a secondary LED lens array illumination to produce an all new visual palette that takes the synthetic look out of LED wash lights and allows for truly unique lighting design possibilities.
The MAC Aura is full of personality. Use the fixture as a powerful single-lens wash or employ a separate set of individually controllable multicolor LEDs for radical to subtle eye-candy looks. Mix, match, and create never-before-seen effects that take the unnatural LED look out of LED lighting. For the ultimate in easy-to-produce visuals, use the Aura’s built-in FX engine to create extraordinary effects fast.

The result is both impressive and expressive!
When fantastic beam effects with great definition are in order, the MAC Aura delivers. Housing an unrivalled 11-58° zoom, the Aura is capable of angling wide or extremely tight for high intensity beam looks. A uniform field of light and excellent efficiency is maintained throughout the zoom range.

The MAC Aura delivers almost 4000 lumens of output in an ultra-compact 5.6 kg package for a performance to size ratio that you don’t find in comparable fixtures. And the Aura moves at a speed and precision that we once only associated with moving mirrors.
The MAC Aura is a versatile wash light of the highest caliber. It features superior color mixing with a broad range of shades from two independent color systems. Color shades mix completely uniform from vibrant saturates across beautiful pastels to authentic warm and cool shades of white.

A new aura of creativity has arrived!
## Preliminary Specifications MAC Aura

### Physical

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>302 mm (11.9 in.) across yoke</td>
</tr>
<tr>
<td>Width</td>
<td>302 mm (11.9 in.) across yoke</td>
</tr>
<tr>
<td>Height</td>
<td>360 mm (14.2 in.), head straight up</td>
</tr>
<tr>
<td>Weight</td>
<td>5.6 kg (12.3 lbs.) without accessories</td>
</tr>
</tbody>
</table>

### Dynamic Effects

- **Beam color mixing:** RGBW
- **Aura™** (secondary lens array illumination) color mixing: RGB
- **Beam color temperature control:** CTO, variable 10 000 - 2500 K
- **Beam and aura™** electronic "color wheel" effect: 33 LEE-referenced colors plus white, variable speed color-wheel: rotation effect and random color
- **Beam and aura™** independent shutter effects: Electronic, with regular and random pulse, burst and strobe effects
- **Pre-programmed effects:** Synchronized beam and aura™ macros
- **Electronic dimming:** Independent beam and aura™, four dimming curve options

### Optics

- **Light source:** Osram Ostar high-power emitters
- **Minimum LED lifetime:** 50 000 hours (to >70% luminous output)*
  *Manufacturer’s figure obtained under manufacturer’s test conditions

### Control and Programming

- **Control options:** Independent control of beam (primary output) and aura™ (secondary lens array illumination)
- **Macro programs selectable via DMX:** Synchronized beam and aura™ effects
- **Control:** DMX
- **RDM:** Implemented
- **Control resolution:** 8-bit, with 16-bit control of pan & tilt
- **DMX channels:** 19/25
- **Setting and addressing:** Control panel with backlit graphic display
- **Protocol:** USITT DMX512-A, ANSI/ESTA E1.20 RDM
- **Transceivers:** RS-485
- **Fixture software update:** Via DMX with Martin USB Duo DMX Interface

### Photometric Data

- **Total output:** 3850 lm (zoom at maximum)

### Construction

- **Color:** Black or white
- **Housing:** High-impact flame-retardant thermoplastic
- **Protection rating:** IP20

### Installation

- **Mounting points:** One M12 threaded hole for rigging clamp
- **Location:** Indoor use only, must be fastened to surface or structure
- **Orientation:** Any
- **Minimum distance to combustible materials:** 100 mm (3.9 in.)
- **Minimum distance to illuminated surfaces:** 200 mm (7.9 in.)

### Connections

- **AC power input:** Neutrik PowerCon
- **AC power throughput:** Neutrik PowerCon
- **DMX and RDM data in/out:** 5-pin locking XLR

### Electrical

- **AC power:** 100-240 V nominal, 50/60 Hz
- **Maximum total power consumption:** 260 W
- **Power supply unit:** Auto-ranging electronic switch mode
- **Main fuse:** 5 AT (slow blow)
- **Typical power consumption, all effects static, zero light output:** <15 W

### Typical Power and Current

- **100 V, 60 Hz:** 236 W, 2.4 A, PF 0.994
- **120 V, 60 Hz:** 234 W, 2.0 A, PF 0.992
- **208 V, 60 Hz:** 229 W, 1.2 A, PF 0.970
- **230 V, 58 Hz:** 228 W, 1.1 A, PF 0.959
- **240 V, 50 Hz:** 228 W, 1.0 A, PF 0.953
- **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.):** 45°C (113°F)
- **Minimum ambient temperature (Ta min.):** 5°C (41°F)
- **Total heat dissipation (calculated, +/-10%):** 880 BTU/hr.

### Approvals

- **EU safety (pending):** 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 E598-2-17
- **Canadian EMC:** ICES-003 Class A
- **Australia/NZ:** C-TICK N4241

### Included Items

- M12 bolt suitable for use with Martin rigging clamps
- **User manual:** P/N 35000254
- **Accessories:**
  - Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804
  - Neutrik PowerCon NAC3FGB power output connector, cable mount, light grey: P/N 05342805
  - G-clamp: P/N 91602003
  - Half-coupler clamp: P/N 91602005
  - Quick trigger clamp: P/N 91602007
  - Safety wire, safe working load 50 kg (110.2 lbs.): P/N 91604003
  - 6-unit flightcase for MAC Aura: P/N 91515020

### Related Items

- **Martin USB Duo DMX Interface Box:** P/N 90703010

### Ordering Information

- **MAC Aura in cardboard box:** P/N 90232000
- **MAC Aura in 6-unit flightcase:** P/N 90232010

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Founded in 1987 and headquartered in Aarhus, Denmark, Martin lighting solutions are industry standard on tours and events, theatres, nightclubs, and major television studios around the world, as well as indoor and outdoor architecture and commercial applications. We maintain a presence in the USA, UK, Germany, Denmark, France, Italy and Singapore with associated companies in Japan, the Middle East, Hong Kong and Argentina. Martin operates the industry’s most complete and capable distributor network with local partners in nearly 100 countries. Martin’s parent company, Schouw & Co, is an industrial conglomerate with 2010 revenue of approximately 1.8 billion USD.

For more information please visit www.martin.com

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