



**MAC Aura™**



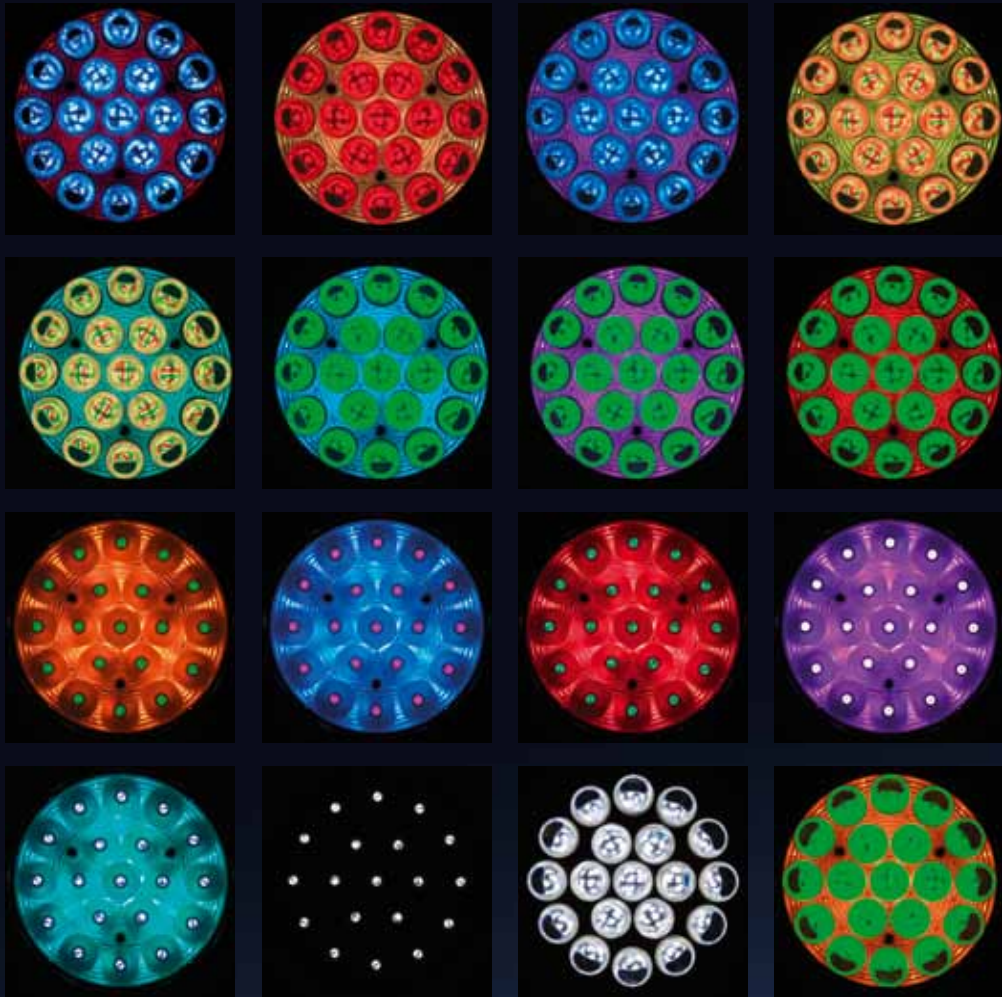
**Martin®**  
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# **An Aura of creativity!**

**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.**





## **With or without eye candy**

**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!**

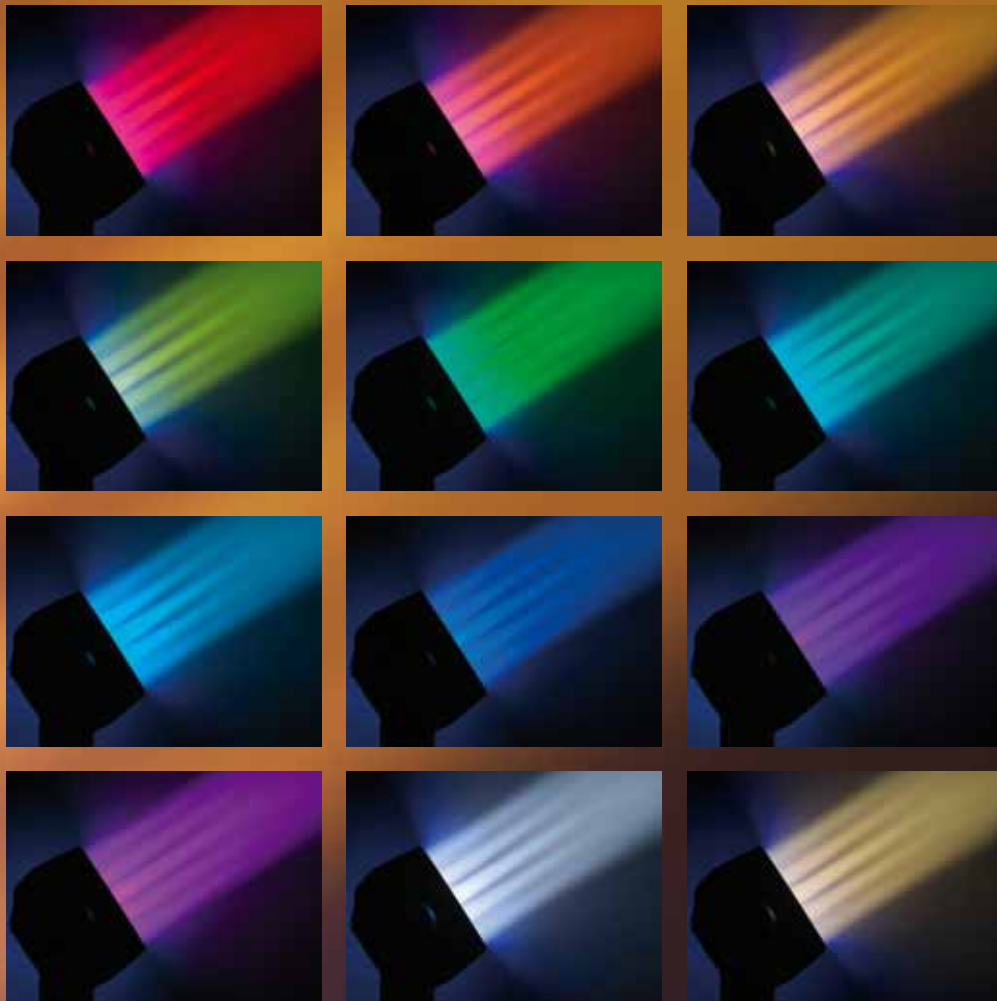




## **Zoom with boom!**

**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.**



## **Wicked wash!**

**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

Length: 302 mm (11.9 in.) across yoke  
Width: 302 mm (11.9 in.) across yoke  
Height: 360 mm (14.2 in.), head straight up  
Weight: 5.6 kg (12.3 lbs.) without accessories

## 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  
Pan: 540°  
Tilt: 232°  
Pan and tilt speed: Adjustable via onboard control panel and DMX

## 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  
Transceiver: 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, 50 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.): 40° C (104° 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 NAC3FCB 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

The Martin logo features the word "Martin" in a bold, black, sans-serif font. A yellow triangle is positioned above the letter 'i', pointing towards the top right. A registered trademark symbol (®) is located to the upper right of the word.

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