



**MAC Aura™**



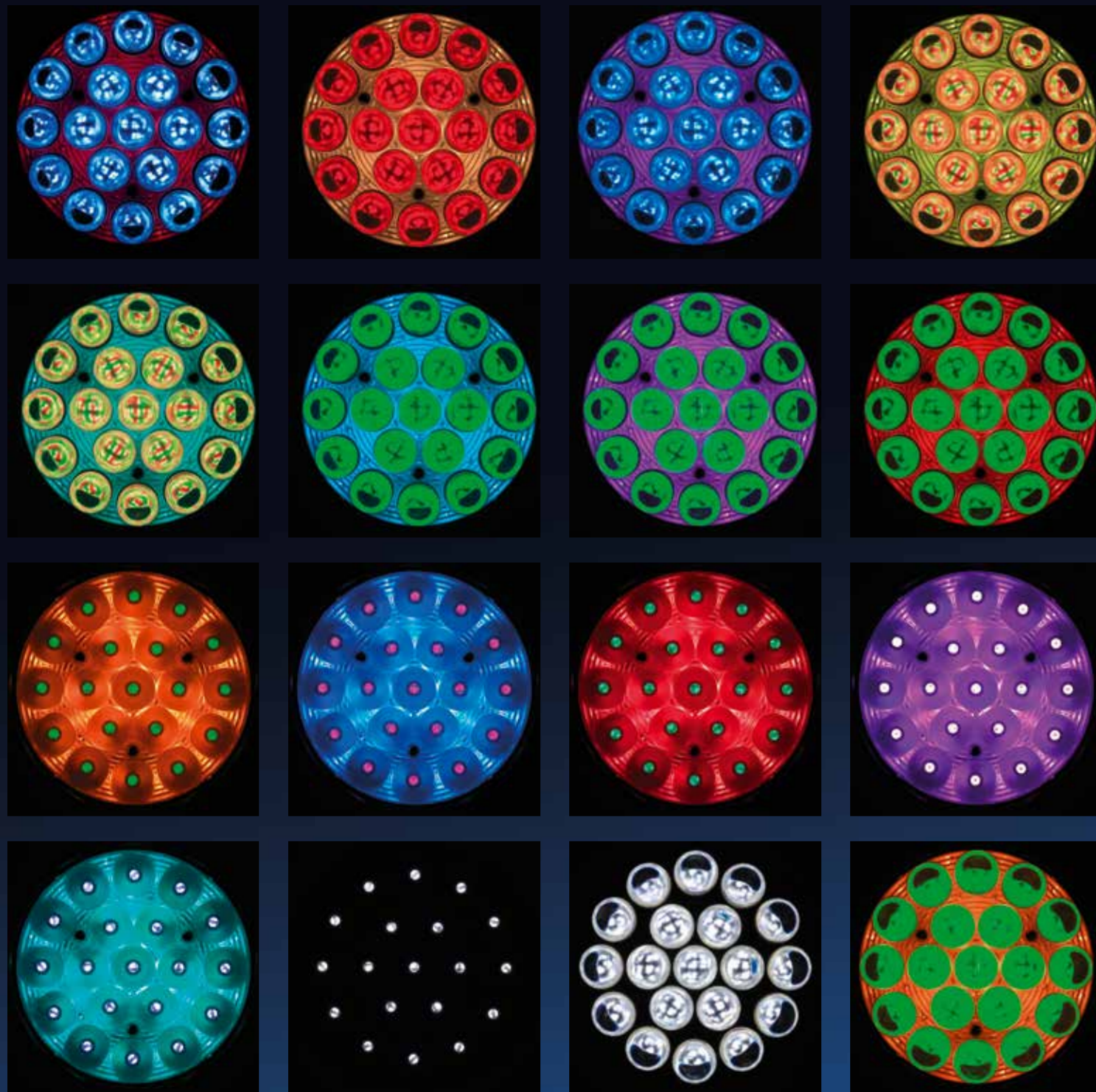
**Martin®**  
by HARMAN

## **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 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

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### About Martin Professional

As a world leader in the creation of dynamic lighting solutions for the entertainment, architectural, and commercial sectors, Martin lighting and video systems are renowned the world over. Martin also offers a range of advanced lighting controllers and media servers, as well as a complete line of smoke machines as a complement to intelligent lighting. Martin operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. Founded in 1987 and based in Aarhus, Denmark, Martin is the lighting division of global infotainment and audio company HARMAN International Industries.

For more information please visit



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