



# MAC Aura

The MAC Aura is an award-winning wash light that lighting designers have turned to the world over due to its versatility as a powerful beam and wash luminaire of the highest caliber. The result of out-of-the-box creative thinking, it is the first LED moving head wash light to combine multicolor beam LEDs with a backlight LED array that takes the synthetic look out of LED wash lights.

Single-lens wash with fully premixed color

Broad color palette, RGBW color mixing

Eye-candy Aura Effects™

## FEATURES

- Single-lens wash with fully premixed color
- Broad color palette, RGBW color mixing
- Eye-candy Aura Effects™
- Uniform shades
- Built-in FX engine
- 11 to 58° zoom
- 3850 Lumens output
- Rapid movement
- Compact, low weight design (5.6 kg)
- High efficiency, low power consumption, long lifetime

## TECHNICAL SPECIFICATIONS

### 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 (12.4 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: Range of synchronized and independent beam and aura FX, different FX can be combined  
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

### 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: 14/25  
Setting and addressing: Control panel with backlit graphic display  
DMX compliance: USITT DMX512-A  
RDM compliance: ANSI/ESTA E1.20  
Transceiver: RS-485  
Fixture software update: Via DMX with Martin™ USB Duo DMX Interface Box

#### Optics

Zoom range: 11° - 58°  
One-tenth peak angle  
Light source: 19x 10W RGBW LED Array System  
LED refresh rate: Beam 1220 Hz, Aura 4395 Hz  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
*\*Figure obtained under manufacturer's test conditions:*

#### Photometric Data

Total output: 3850 lumens (zoom at maximum)

#### Construction

Color: Black  
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 (4.0 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: EN 60598-2-17 (EN 60598-1), 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: CSA E598-2-17 (CSA E60598-1)  
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

3 m power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector: P/N 11541503  
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  
Power relay cable with PowerCon connectors, 1.4 m (4.6 ft.): P/N 11850099  
Power relay cable with PowerCon connectors, 2.25 m (7.4 ft.): P/N 11850100  
Set of 5 quick-mount surface mounting brackets: P/N 91606017  
G-clamp: P/N 91602003  
Quick trigger clamp: P/N 91602007  
Safety cable, safe working load 50 kg (110.3 lbs.): P/N 91604003  
6-unit flightcase for MAC Aura: P/N 91515020  
Half-coupler (tube) clamp: P/N 91602005

#### Optical Accessories

MAC Aura / Aura XB Soft Lens Kit: P/N 91611730

#### Related Items

Martin USB Duo™ DMX Interface Box: P/N 90703010  
Martin RDM 5.5 Splitter™: P/N 90758150

#### Ordering Information

MAC Aura™ in cardboard box: P/N 90232000  
MAC Aura™ in 6-unit flightcase: P/N 90232010  
MAC Aura™, white finish, in cardboard box\*

*\*Available by special order - please contact your Martin™ supplier for details:*



A C C E S S O R I E S



1.4m PowerCon power relay cable AWG 12 S  
P/N: 11850099



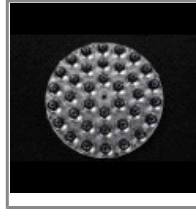
2.25m PowerCon power relay cable AWG 12  
P/N: 11850100



3m pwr.cable w.PwrCon NAC3FCA, AWG12 SJT  
P/N: 11541503



Flightcase for 6 x MAC Aura  
P/N: 91515020



Front lens for MAC 101  
P/N: 41350050



G-Clamp  
P/N: 91602003



Half-coupler clamp for Ø50  
P/N: 91602005



MAC Aura Pixel board Kit  
P/N: 50400735



PowerCon NAC3FCA Power Input Connector  
P/N: 05342804



Quick-trigger clamp Ø38.1-51mm  
P/N: 91602007



Safety wire, 50kg SWL  
P/N: 91604003