MAC Aura XB

The MAC Aura XB takes an award-winning, innovative, compact LED wash light to the next level, incorporating many new features first introduced with the MAC Quantum Wash™. Not only does the MAC Aura XB offer additional brightness, it also features a new superior color mixing system and an optimized lens design for tighter beams and more even washes. Martin's unique and patented Eye-candy Aura Effect™ is also part of the package.

Super bright single lens wash with fully premixed color

Compact design and low weight

High efficiency, low power consumption, long service life

FEATURES

- Super-bright single-lens wash with fully premixed color
- Broad color palette, RGBW color mixing
- Eye-candy Aura Effect™
- Uniform shades
- Built-in FX engine
- 10 to 60° uniform zoom
- 6000 Lumens output
- Rapid movement
- Compact, low weight design (6.5 kg)
- High efficiency, low power consumption, long lifetime

TECHNICAL SPECIFICATIONS

Physical
Length (across yoke): 302 mm (11.9 in.)
Width (across yoke): 302 mm (11.9 in.)
Height (head straight up): 360 mm (14.2 in.)
Weight (without accessories): 6.5 kg (14.4 lbs.)

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 independent and synchronized Beam and Aura FX, two combinable
Electronic dimming: Independent beam and aura, four dimming curve options
Zoom: 10° - 60° (one-tenth peak angle)
Pan: 360°
Tilt: 232°
Pan and tilt speed: Adjustable via onboard control panel and DMX

Control and Programming
Control options: Independent or synchronized Beam and Aura control
Control system: DMX, RDM
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

©2015 Martin Professional  Olof Palmes Allé 18 • 8200 Aarhus N • Denmark • Phone: +45 87 40 00 00 • Fax: +45 87 40 00 10 • www.martin.com
Images contained in this brochure have been converted to CMYK and are not necessarily representative of actual colors. Specifications are subject to change without notice.
Images contained in this brochure have been converted to CMYK and are not necessarily representative of actual colors. Specifications are subject to change without notice

RDM compliance: ANSI/ESTA E1.20
Transceiver: RS-485
Firmware update: Via DMX with Martin™ USB Duo DMX Interface Box

**Optics and Photometric Data**

- **Light source:** 19x 15W RGBW LED Array System
- **LED refresh rate:** Beam 1200 Hz, Aura 4395 Hz
- **Minimum LED lifetime:** 50 000 hours (to >70% luminous output)*
- **Total luminous output (wide, one-tenth peak):** 6000 lumens
- **Total luminous output (narrow, one-tenth peak):** 4300 lumens

Video compatibility: Designed for use with HD/high-speed video cameras

*Figure obtained under manufacturer’s test conditions

**Construction**

- **Color:** Black
- **Housing:** High-impact thermoplastic, flame-retardant to UL 94 SVA
- **Protection rating:** IP20

**Installation**

- **Mounting points:** M12 hole for rigging clamp, attachment points for surface-mounting bracket
- **Orientation:** Any
- **Minimum distance to combustible materials:** 200 mm (8 in.) from fixture
- **Minimum distance to illuminated surfaces:** 1 m (3 ft. 4 in.) from fixture
- **Location:** Indoor use only, must be fastened to surface or structure

**Connections**

- **AC power:** Neutrik PowerCON TRUE1 NAC3PX dual socket
- **AC power input socket:** Accepts Neutrik PowerCON TRUE1 NAC3FX-W cable connector
- **AC power thru socket:** Accepts Neutrik PowerCON TRUE1 NAC3MX-W cable connector
- **DMX data in/out:** Martin DMX 5.3 Splitter™, Martin USB Duo™ DMX Interface Box

**Electrical**

- **Power consumption, all effects static, zero light output:** <25 W

**Typical Power and Current**

- **100 V, 60 Hz:** 359 W, 3.8 A, PF 0.99
- **120 V, 60 Hz:** 355 W, 3.2 A, PF 0.99
- **208 V, 60 Hz:** 350 W, 1.8 A, PF 0.97
- **230 V, 50 Hz:** 349 W, 1.7 A, PF 0.95
- **240 V, 50 Hz:** 349 W, 1.6 A, PF 0.95

**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%):** 1230 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 C22.2 no. 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
- Note that power cables and connectors are not included and must be ordered separately

**Accessories**

**Power cables**

- **Power input cable, H07RN-F:** 2.5 mm2, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91611779
- **Power input cable, H07RN-F:** 2.5 mm2, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786
- **Power Throughput Cable, H07RN-F:** 2.5 mm2, 14 AWG, Neutrik TRUE1 to TRUE1, 0.45 m (1.5 ft.): P/N 91611784
- **Power Throughput Cable, H07RN-F:** 2.5 mm2, 14 AWG, Neutrik TRUE1 to TRUE1, 1.2 m (3.9 ft.): P/N 91611785
- **Power Throughput Cable, H07RN-F:** 2.5 mm2, 14 AWG, Neutrik TRUE1 to TRUE1, 2.5 m (8.2 ft.): P/N 91611796

**Power connectors**

- **Cable connector, Neutrik PowerCON TRUE1 NAC3FX-W (female):** P/N 91611798
- **Cable Connector, Neutrik PowerCON TRUE1 NAC3MX-W (male):** P/N 91611788

**Installation hardware**

- **Quick surface mounting bracket for MAC Aura XB:** set of 5: P/N 91606018
- **G-clamp:** P/N 91602003
- **Half-coupler (tube) clamp:** P/N 91602005
- **Quick trigger clamp:** P/N 91602007

**Flightcase**

- **6-unit flightcase for MAC Aura™:** P/N 91515020

**Optical Accessories**

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

**Related Items**

- **Martin USB Duo™ DMX Interface Box:** P/N 90703010
- **Martin DMX 5.3 Splitter™:** P/N 90758140
Ordering Information
Martin RDM 5.5 Splitter™: P/N 90758150
MAC Aura XB™ in cardboard box: P/N 90232100
MAC Aura XB™ in 6-unit flightcase: P/N 90232110