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: 540°
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

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 5VA
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: 5-pin locking XLR

Electrical
Maximum power consumption: 400 W
Power supply unit: Auto-ranging electronic switch mode
AC power: 100-240 V nominal, 50/60 Hz
Typical half-cycle RMS inrush current: 10.7 A
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
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%): 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 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
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 91611797
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 91611789
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

Martin RDM 5.5 Splitter™: P/N 90758150

Ordering Information
MAC Aura XB™ in cardboard box: P/N 90232100
MAC Aura XB™ in 6-unit flightcase: P/N 90232110