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MAC Aura XB™

The MAC Aura XB takes the award-winning and most compact LED wash light in the market to the next level, incorporating many new features first introduced on 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.

- Super bright single lens wash with fully premixed color
- Compact design and low weight
- High efficiency, low power consumption, long service life

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: 6.5 kg (14.4 lbs.) without accessories

Dynamic Effects

Beam color mixing: RGBW
Aura (secondary lens array illumination) color mixing: RGB
Beam color temperature control: CTC, 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

Optics and Photometric Data

Light source: 15 W RGBW 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): 6.0 Klum
Total luminous output (narrow, one-tenth peak): 4.3 Klum
Video compatibility: Designed for use with HD/high-speed video cameras
**Manufacturer's figure obtained under manufacturer's test conditions*

Control and Programming

Control options: Independent or synchronized Beam and Aura control
Control systems: 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 RDM
Transceiver: RS-485
Firmware update: Via DMX with Martin USB Duo DMX Interface

Construction

Color: Black
Housing: High-impact thermoplastic, flame-retardant to UL 94 5VA
Protection rating: IP 20

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 structure or surface

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

AC power: 100-240 V nominal, 50/60 Hz
Maximum power consumption: 400 W
Power supply unit: Auto-ranging electronic switch mode
Power consumption, all effects static, zero light output: <25 W
Typical half-cycle RMS inrush current: 10.7 A

Thermal

Cooling: Forced air (temperature-regulated, low noise, user-definable levels)
Maximum ambient temperature (Ia max.): 40° C (104° F)
Minimum ambient temperature (Ia 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, 16 A, 14 AWG, SJT, 1.5 mm², H05VV-F, with PowerCON True1 NAC3FX-W female connector, 3 m (9.8 ft.): P/N 11541513
Power relay cable, 16 A, 14 AWG, SJT, 1.5 mm², H05VV-F, with PowerCON True1 male and female connectors, 3 m (9.8 ft.): P/N 11541512

Power connectors

Cable connector, PowerCON TRUE1 NAC3FX-W, 16 A, female: P/N 05323416
Cable connector, PowerCON TRUE1 NAC3MX-W, 16 A, male: P/N 05343418

Installation hardware

Set of 5 x quick-mount surface mounting brackets: P/N 91606017
G-clamp: P/N 91602003
Half-coupler clamp: P/N 91602005
Quick trigger clamp: P/N 91602007
Safety wire, safe working load 50 kg: P/N 91604003

Flightcase

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

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 90232105

Specifications subject to change without notice. For the latest product specifications, see www.martin.com

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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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