

MAC Aura



OVERVIEW

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.



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





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 contro	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 effect	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 system	DMX, RDM
Control options	Independent or synchronized Beam and Aura control
Control resolution	8-bit, with 16-bit control of pan & tilt
RDM	Implemented
Control resolution	8-bit, with 16-bit control of pan, tilt, dimming and lens rotation DMX channels: 33/17
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)*



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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
	<i>*Figure obtained under manufacturer's test conditions</i>
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 total 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



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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 EMCV	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	
<i>Note that power cables and connectors are not included and must be ordered separately</i>	
M12 bolt suitable for use with Martin rigging clamps	
ACCESSORIES	
Power Cables	
Power input cable, H07RN-F, 2.5 mm ² , 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 mm ² , 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 mm ² , 14 AWG, Neutrik TRUE1 to TRUE1, 0.45 m (1.5 ft.)	P/N 91611784
Power Throughput Cable, H07RN-F, 2.5 mm ² , 14 AWG, Neutrik TRUE1 to TRUE1, 1.2 m (3.9 ft.)	P/N 91611785
Power Throughput Cable, H07RN-F, 2.5 mm ² , 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



SPECIFICATIONS

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