



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 creates the unique Martin Aura Effect™ and takes the synthetic look out of LED wash lights

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


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 (12.3 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
 Zoom: 11° - 58° (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 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 Light source: Osram Ostar high-power emitters

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 (3.9 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 <i>Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.</i>
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	 <p>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</p>
Included Items	M12 bolt suitable for use with Martin rigging clamps User manual: P/N 35000254
Accessories	3 m (9.8 ft.) 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 Half-coupler clamp: P/N 91602005 Quick trigger clamp: P/N 91602007 Safety cable, safe working load 50 kg (110.2 lbs.): P/N 91604003 6-unit flightcase for MAC Aura: P/N 91515020

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* <i>*Available by special order - please contact your Martin™ supplier for details</i>

Photometric Data

Standard (RGBW LEDs on)	Efficacy: 15 lumens per watt One-tenth peak angle: 11.4° Total output: 2900 lm
Narrow (Only white LED's on)	Efficacy: 21.6 lumens per watt One-tenth peak angle: 11.4° Total output: 1300 lm
Narrow (Only red LED's on)	Efficacy: 7.5 lumens per watt One-tenth peak angle: 11.4° Total output: 490 lm
Narrow (Only green LED's on)	Efficacy: 21.9 lumens per watt One-tenth peak angle: 11.4° Total output: 1100 lm
Narrow (Only blue LED's on)	Efficacy: 3 lumens per watt One-tenth peak angle: 11.4° Total output: 190 lm
Medium (RGBW LED's on)	Efficacy: 19.1 lumens per watt One-tenth peak angle: 35° Total output: 3600 lm
Wide (RGBW LED's on)	Efficacy: 20.1 lumens per watt One-tenth peak angle: 59° Total output: 3800 lm

Published on: 1 Sep 2014. © 2011-2014 Martin Professional ApS. Specifications subject to change without notice