



The MAC Aura is the first compact LED moving head wash light with zoom that offers never-before-seen, eye-candy aura effects yet also functions as a highly capable single-lens wash with fully pre-mixed colour. A ground-breaking optical system combines multicolour LEDs with backlight aura colour mixing to produce an all new visual palette that takes the synthetic look out of LED for truly unique lighting designs.

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

Physical Length: 302 mm across yoke
 Width: 302 mm across yoke
 Height: 360 mm, head straight up
 Weight: 5.6 kg 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 colours plus white, variable-speed colour-wheel rotation effect and random colour
 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

Optics Light source: Osram Ostar high-power emitters
 Minimum LED lifetime: 50 000 hours (to >70% luminous output)*
 *Manufacturer's figure obtained under manufacturer's test conditions

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
 Protocol: USITT DMX512-A, ANSI/ESTA E1.20 RDM
 Transceiver: RS-485

Fixture software update: Via DMX with Martin USB Duo DMX Interface

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
Minimum distance to illuminated surfaces: 200 mm

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

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
Minimum ambient temperature (Ta min.): 5° C
Total heat dissipation (calculated, +/- 10%): 880 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
User manual: P/N 35000254

Accessories Set of 5 quick-mount surface mounting brackets: P/N 91606017
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
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
6-unit flightcase for MAC Aura: P/N 91515020

Related Items Martin USB Duo™ DMX Interface Box: P/N 90703010

Ordering Information MAC Aura™ in cardboard box: P/N 90232000
MAC Aura™ in 6-unit flightcase: P/N 90232010

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