MAC Aura

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 takes the synthetic look out of LED wash lights.

Single-lens wash with fully premixed color

Broad color palette, RGBW color mixing

Eye-candy Aura Effects™

FEATURES

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

TECHNICAL SPECIFICATIONS

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 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
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: 35000254

Accessories
3 m power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector: 11541503
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: 05342804
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey: 05342805
Power relay cable with PowerCon connectors, 1.4 m: 11850099
Power relay cable with PowerCon connectors, 2.25 m: 11850100
Set of 5 quick-mount surface mounting brackets: 91606017
G-clamp: 91602003
Quick trigger clamp: 91602007
Safety cable, safe working load 50 kg: 91604003
6-unit flightcase for MAC Aura: 91515020
Half-coupler (tube) clamp: 91602005

Related Items
Martin USB Duo™ DMX Interface Box: 90703010
Martin RDM 5.5 Splitter™: 90758150

Ordering Information
MAC Aura™ in cardboard box: 90232000
MAC Aura™ in 6-unit flightcase: 90232010
MAC Aura™, white finish, in cardboard box*:
*Available by special order - please contact your Martin™ supplier for details:

ACCESSORIES

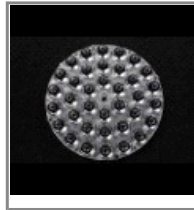
1.4m PowerCon power relay cable AWG 12 S
P/N: 11850099

2.25m PowerCon power relay cable AWG 12
P/N: 11850100

3m pwr.cable w.PwrCon NAC3FCA, AWG12 SJT
P/N: 11541503

Flightcase for 6 x MAC Aura
P/N: 91515020

Front lens for MAC 101
P/N: 41350050

G-Clamp
P/N: 91602003

Half-coupler clamp for Ø50
P/N: 91602005

PowerCon NAC3FCA Power Input Connector
P/N: 05342804

Quick-trigger clamp Ø38.1-51mm
P/N: 91602007

Safety wire, 50kg SWL
P/N: 91604003