



The MAC 101 WRM uses pure warm LEDs to mimic the warmth of tungsten halogen and its intensity is controllable.

The ultra-compact MAC 101 LED moving head wash is available in three white light versions that expand its use to applications where high quality, pure white light is needed. Ideal for highlighting skin tones, textiles, or set pieces, the MAC 101 variants incorporate cold and/or warm LEDs instead of RGB for a better white light quality and greater output.

High quality warm white LED light

Ideal for highlighting skin tones, textiles or set pieces

Variable color temperature

Tight and punchy beam effects, long throw, modern ACL replacement

Multiple field angle options for a perfect wash via optional diffusers

Incredibly fast and precise movement

Ultra-compact, low weight design (3.7 kg)

Less than 125 watt total power requirement

**Physical** Length: 241 mm across yoke  
Width: 241 mm across yoke  
Height: 304 mm  
Weight: 3.7 kg

**Dynamic Effects** Shutter effect: Electronic, with pulse and random effects  
Electronic dimming: 0 - 100%, four dimming curve options  
Pan: 540°  
Tilt: 240°  
Pan and tilt speed: Adjustable via onboard control panel and DMX

**Control and Programming** Control: DMX  
RDM: Implemented  
Control resolution: 8-bit, with 16-bit control of pan & tilt  
DMX channels: 7  
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 Box

**Optics** Light source: Cree XP-E high power emitters  
Color temperature: 2800 K  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
LED refresh rate: 1220 Hz

*\*Figure obtained under manufacturer's test conditions*

<b>Construction</b>	Color: Black or white Housing: High-impact flame-retardant thermoplastic Protection rating: IP20
<b>Installation</b>	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 from head, no minimum distance from base Minimum distance to illuminated surfaces: 200 mm
<b>Connections</b>	AC power input: Neutrik PowerCon AC power throughput: Neutrik PowerCon DMX data in/out: 5-pin locking XLR
<b>Electrical</b>	AC power: 100-240 V nominal, 50/60 Hz Maximum total power consumption: 123 W Power supply unit: Auto-ranging electronic switch mode Main fuse: 5 AT (slow blow) Typical power consumption, all effects static, zero light output: <25 W
<b>Typical Power and Current</b>	100 V, 50 Hz: 122 W, 1.3 A, PF 0.991 120 V, 60 Hz: 121 W, 1.1 A, PF 0.987 208 V, 60 Hz: 123 W, 0.7 A, PF 0.938 230 V, 50 Hz: 123 W, 0.6 A, PF 0.915 240 V, 50 Hz: 123 W, 0.6 A, PF 0.900  <i>PF = power factor</i> <i>Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.</i>
<b>Thermal</b>	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%): 420 BTU/hr.
<b>Approvals</b>	EU safety: EN 60598-2-17, 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 Canadian EMC: ICES-003 Class A Australia/NZ: C-TICK N4241
<b>Included Items</b>	M12 bolt suitable for use with Martin rigging clamps: User manual: 35000246
<b>Related Items</b>	Martin USB Duo™ DMX Interface Box: 90703010 Martin RDM 5.5 Splitter™: 90758150
<b>Ordering Information</b>	MAC 101 WRM™ in cardboard box: 90231650 MAC 101 WRM™ in 8-unit flightcase: 90231640

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