



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. The MAC 101 CT incorporates both cold and warm LEDs instead of RGB for a better white light quality and greater output. Color temperature calibrated to ensure visual consistency across fixtures, the MAC 101 CT allows for easy changes in color temperature from crisp cold looks to warm shades, and features simple intensity control.

High quality 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** Color temperature control: Variable 2800 - 6200 K  
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 options: CTC, individual cold and warm white intensity  
RDM: Implemented  
Control resolution: 8-bit, with 16-bit control of pan & tilt  
DMX channels: 10  
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  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
LED refresh rate: 1220 Hz  
*\*Figure obtained under manufacturer's test conditions*

**Construction** Color: Black or white

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 from head, no minimum distance from base  
Minimum distance to illuminated surfaces: 200 mm

**Connections** AC power input: Neutrik PowerCon  
AC power throughput: Neutrik PowerCon  
DMX data in/out: 5-pin locking XLR

**Electrical** 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

**Typical Power and Current** 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  
*PF = power factor*  
*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%): 420 BTU/hr.

**Approvals** 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

**Included Items** M12 bolt suitable for use with Martin rigging clamps:  
User manual: 35000246

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

**Ordering Information** MAC 101 CT™ in cardboard box: 90231620  
MAC 101 CT™ in 8-unit flightcase: 90231625