



The MAC 101 CLD uses pure cold LEDs for applications where only higher color temperatures are required and is intensity 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 cold 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: 6700 K
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 <i>PF = power factor</i> <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 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 CLD™ in cardboard box: 90231670 MAC 101 CLD™ in 8-unit flightcase: 90231660