

- Highly efficient LEDs with true color calibration
- Variable CTC
- 2200 lm output
- 13.5° one-tenth peak angle
- Smooth electronic dimming: 0 - 100%
- Wide angle options
- Electronic strobe with pulse and random effects
- Martin's fastest moving head
- High efficiency, low power consumption
- Ultra-compact, low weight design (3.7 kg)
- Power easily daisy-chained

**Physical** Length: 241 mm (9.5 in.) across yoke  
Width: 241 mm (9.5 in.) across yoke  
Height: 304 mm (12.0 in.)  
Weight: 3.7 kg (8.2 lbs.)

**Dynamic Effects** Electronic 'color wheel' effect: 33 LEE-referenced colors plus white, color wheel rotation effect, random color  
Color mixing: RGB  
Red: 0 - 100%  
Green: 0 - 100%  
Blue: 0 - 100%  
Color temperature control: Variable 2500 - 10 000 K  
Shutter effect: Electronic, with pulse and random effects  
Electronic dimming: 0 - 100%, four dimming curve options  
Pan: 540°  
Tilt: 240°  
Adjustable pan/tilt speed

**Optics** Light source: Cree XP-E 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: 3 control modes - RGB raw, RGB calibrated, Basic (RGB + CTC disabled)  
Control resolution: 8-bit, with 16-bit control of pan & tilt  
DMX channels: 8/12  
Setting and addressing: Control panel with backlit graphic display  
Protocol: USITT DMX512/1990  
Transceiver: RS-485  
Fixture software update: Via DMX with Martin Universal USB/DMX Converter

**Photometric Data** Total output: 2200 lm

**Construction** Color: Black  
Housing: High-impact flame-retardant thermoplastic  
Protection rating: IP20

**Installation** Mounting points: One M12 threaded hole for rigging clamp  
Orientation: Any  
Minimum distance to combustible materials: 100 mm (3.9 in.) from head, no minimum distance from base  
Minimum distance to illuminated surfaces: 200 mm (7.9 in.)

**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)  
Standby power: <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 (104° F)  
Minimum ambient temperature (Ta min.): 5° C (41° F)  
Total heat dissipation (calculated, +/- 10%): 420 BTU/hr.

**Approvals**

EU safety: EN 60598-1, EN 60598-2-17, EN 62471  
EU EMC: EN 55103-1, EN 55103-2, EN 55015, EN 61547  
US safety (pending): UL 1573  
US EMC: FCC Part 15 Class A  
Canadian safety (pending): CAN/CSA E60598-1, CAN/CSA E598-2-17  
Canadian EMC: ICES-003 Class A  
Australia/NZ: C-TICK N4241

**Included Items**

User manual: P/N 35000246  
*Note that power cables and Neutrik PowerCon connectors must be ordered separately (see Accessories)*

**Accessories**

Set of 8 x medium-angle diffusers for MAC 101: P/N 91616018  
3 m (9.8 ft.) power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector: P/N 11541503  
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  
PowerCon daisy-chain power cable, 1.4 m (4.6 ft.): P/N 11850099  
PowerCon daisy-chain power cable, 2.25 m (7.4 ft.): P/N 11850100  
PowerCon daisy-chain power cable, 3.25 m (10.7 ft.): P/N 11850101  
G-clamp: P/N 91602003  
Half-coupler clamp: P/N 91602005  
Quick trigger clamp: P/N 91602007  
Safety wire, universal, safe working load 50 kg (110.2 lbs.): P/N 91604003

**Related Items**

Martin Universal USB/DMX Interface Box: P/N 90702045

**Ordering Information**

MAC 101" in cardboard box: P/N 90231600  
MAC 101" in 8-unit flightcase: P/N 90231610  
8-unit flightcase for MAC 101": P/N 91515010

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