

Specifications

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
Color mixing	RGB
Red	0 - 100%
Green	0 - 100%
Blue	0 - 100%
Color Temperature Control	Variable 10 000 - 2 500 K
Shutter	Electronic, with pulse and random effects
Electronic dimming	0 - 100%, four dimming curve options
Pan	540°
Tilt	240°
Pan/tilt speed	Adjustable

Optics

Light source	12 red, 12 green and 12 blue 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

Photometric Data

Total luminous output	2200 lm
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Control and Programming

Control options	DMX, 3 control modes (RGB raw/calibrated, RGB + CTC enabled/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
Firmware update	Via DMX with Martin USB Duo DMX Interface

Construction

Color	Black
Housing	High-impact flame-retardant thermoplastic
Protection rating	IP 20

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 min. distance from base
Minimum distance to illuminated surfaces	200 mm (7.9 ins.)
Location	For indoor use only

Connections

AC power input	Neutrik PowerCon NAC3MPA input socket (blue)
AC power throughput	Neutrik PowerCon NAC3MPB output socket (grey)
DMX data in/out	5-pin locking XLR

Electrical

AC power	100-240 V nominal, 50/60 Hz
Typical total power consumption	123 W
Power supply unit	Auto-ranging electronic switch mode
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
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Accessories

Set of 8 x medium-angle diffusers for MAC 101	P/N 91616018
Set of 4 x top hats for MAC 101.	P/N 91611358
Set of 5 x quick-mount surface mounting brackets for MAC 101	P/N 91606017
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
G-clamp	P/N 91602003
Half-coupler clamp	P/N 91602005
Quick trigger clamp	P/N 91602007
Safety wire, 50 kg safe work load	P/N 91604003
8-unit flightcase for 8 x MAC 101™	P/N 91515010

Related Items

Martin USB Duo DMX Interface Box™	P/N 90703010
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Ordering Information

MAC 101™ in cardboard box.	P/N 90231600
MAC 101™ in 8-unit flightcase	P/N 90231610

Specifications subject to change without notice. For the latest product specifications, see www.martin.com