

CHANGES TO SPECIFICATIONS

1. The band Taking Back Sunday will no longer require backline for the Sammypalooza Concert. Backline will only need to be provided for the band Vertical Horizon.
2. A lighting package will need to be integrated into Taking Back Sunday's set. The lighting package traveling with the band will be ten (10) Martin MAC 101 LED fixtures.

See technical specifications below:

The MAC 101 is a remarkably small, super light and easy-to-use LED moving head wash light with an amazingly bright beam for such a compact luminaire. It features rapid movement and calibrated colors with a low price tag that allows for revolutionary set, stage and decorative lighting design.

- Variable CTC
- Color calibrated
- 2400 lm output
- Bright and tight beam (13° 7936;eld angle)
- Smooth, electronic dimming
- High efficiency, low power consumption, long lifetime
- Ultra-compact, low weight design (3.7 kg)
- Rapid movement _ the fastest MAC ever

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°

Pan and tilt speed: Adjustable via onboard control panel and DMX

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)

RDM: Implemented

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-A, ANSI/ESTA E1.20 RDM

Transceiver: RS-485

Fixture software update: Via DMX with Martin USB Duo DMX Interface

Photometric Data

Total output: 2200 lm

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 (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)

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 (104° F)

Minimum ambient temperature (Ta min.): 5° C (41° F)

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: P/N 35000246

Accessories

Set of 8 narrow-angle diffusers for MAC 101: P/N 91616023

Set of 8 medium-angle diffusers for MAC 101: P/N 91616018

Set of 4 top hats for MAC 101: P/N 91611358

Set of 5 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, safe working load 50 kg (110.2 lbs.): P/N 91604003

8-unit flightcase for MAC 101": P/N 91515010

Related Items

Martin USB Duo" DMX Interface Box: P/N 90703010

Ordering Information

MAC 101" in cardboard box: P/N 90231600

MAC 101" in 8-unit flightcase: P/N 90231610

MAC 101", white finish, in cardboard box: P/N 90231630

Photometric Data

Standard (Only blue LEDs on)

Efficacy: 5.7 lumens per watt

One-tenth peak angle: 11.5°

Total output: 320 lm

Standard (Only green LEDs on)

Efficacy: 23 lumens per watt

One-tenth peak angle: 12.5°

Total output: 1300 lm

Standard (All LEDs on)

Efficacy: 18.9 lumens per watt

One-tenth peak angle: 12.5°

Total output: 2300 lm

Standard (Only red LEDs on)

Efficacy: 23.4 lumens per watt

One-tenth peak angle: 13.5°

Total output: 790 lm

Bid Opening Date: 9/13/11 at 3:00 p.m. CST