PHYSICAL
Length: 290 mm (11.4 in.)
Width: 204 mm (8.0 in.)
Height: 178 mm (7.0 in.)
Length including mounting yoke: 326 mm (12.8 in.)
Height including mounting yoke: 260 mm (10.2 in.)
Weight: 11.2 kg (24.7 lbs.)

CONTROL AND PROGRAMMING
Control options: DMX, ILDA, PC software (supplied), standalone autostart mode
Resolution x and y: 12-bit
Resolution RGB intensity: 8-bit
DMX channels: 4, 8, 12 or 16
Stand-alone memory: 128 MB, 432 linkable/loopable cues
DMX address setting: PC software, onboard control panel
Stand-alone programming: PC software
Protocol: USITT DMX512-A

LASER
Class: 4
Type: Diode laser, cw emission
P lambda 440 nm - 660 nm: Max. 2000 mW cw
White light output: 1.3 W
Maximum output: 1.6 W
Beam divergence: 0.8 mrad
Red wavelength: 655 nm +/- 5 nm
Green wavelength: 532.5 nm +/- 0.5 nm
Blue wavelength: 442 nm +/- 3 nm

PROJECTOR
Horizontal projection angle: 60°
Vertical projection angle: 60°
SASRT (step response time): 0.3 ms

CONSTRUCTION
Housing: Aluminum
Finish: Black
Protection rating: IP20

INSTALLATION
Orientation: Any
Minimum distance to persons and objects in beam zone: 2 m (6.6 ft.)
Minimum height above publicly accessible floor: 3 m (9.8 ft.)
Minimum distance to combustible materials: 1 m (3.3 ft.)
Minimum distance to illuminated surfaces: 2 m (6.6 ft.)
Minimum clearance around device: 30 cm (11.8 in.)
Relative humidity limits: 0% - 90% non-condensing

CONNECTIONS
AC power input: 3-pin IEC male socket, cable supplied
Analog (ILDA) in/out: 25-pin sub-D
DMX data in/out: 5-pin locking XLR
Programming and uploads: USB 2.0

ELECTRICAL
AC power: 100-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch-mode
Main fuse: 2.5 AT (slow blow)

TYPICAL POWER AND CURRENT
100 V, 60 Hz: 180 W, 1.8 A
110 V, 60 Hz: 180 W, 1.7 A
115 V, 60 Hz: 180 W, 1.7 A

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120 V, 60 Hz: 180 W, 1.7 A
220 V, 50 Hz: 180 W, 0.7 A
230 V, 50 Hz: 180 W, 0.7 A
240 V, 50 Hz: 180 W, 0.7 A
Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

THERMAL

Maximum ambient temperature (Ta max.): 40° C (104° F)
Minimum ambient temperature (Ta min.): 5° C (41° F) non-condensing
Recommended storage temperature: 20° C (68° F) to 25° C (77° F)
Cooling: Forced air cooling system

APPROVALS

US safety: IEC 60825-1 / FDA Laser Notice 50
US Federal Standard: 21 CFR 1040.10 and 1040.11 (c)
Canadian safety: CSA C22.2 No. 60950-1
EU safety: EN 60825-1, EN 60950
EU EMC: EN 55022, EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3

INCLUDED ITEMS

CD with Martin RGB Laser Show software, cue library and firmware
Two security keys: P/N 50521000
Interlock connector (AMP): P/N 05347230
Adjustable mounting yoke: P/N 56600069
5 m (16.4 ft.) USB cable: P/N 11840108
3 m (9.8 ft.) power cable, IEC, Schuko plug: P/N 11501020
1.8 m (5.9 ft.) power cable, IEC, US plug: P/N 11501502
1.8 m (5.9 ft.) power cable, IEC, without plug: P/N 11501010
User manual: P/N 35000189

ACCESSORIES

Emergency switch: P/N 91611262

ORDERING INFORMATION

Martin RGB Laser 1.6 in cardboard box: P/N 90432000
Martin RGB Laser 1.6 in single flightcase: P/N 90432001

These specifications (Rev. A) were superseded December 2007. See 'Latest Specifications' on www.martin.com for current specs.

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