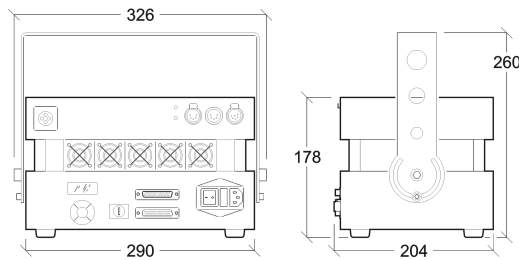


The Martin RGB Laser 1.6 is a compact and lightweight Class 4 laser with deep saturated colors and true whites.



PHYSICAL	<p>Length: 290 mm (11.4 in.)</p> <p>Width: 204 mm (8.0 in.)</p> <p>Height: 178 mm (7.0 in.)</p> <p>Length including mounting yoke: 326 mm (12.8 in.)</p> <p>Height including mounting yoke: 260 mm (10.2 in.)</p> <p>Weight: 11.2 kg (24.7 lbs.)</p>
CONTROL AND PROGRAMMING	<p>Control options: DMX, ILDA, PC software (supplied), standalone autostart mode</p> <p>Resolution x and y: 12-bit</p> <p>Resolution RGB intensity: 8-bit</p> <p>DMX channels: 4, 8, 12 or 16</p> <p>Stand-alone memory: 128 MB, 432 linkable/loopable cues</p> <p>DMX address setting: PC software, onboard control panel</p> <p>Stand-alone programming: PC software</p> <p>Protocol: USITT DMX512-A</p>
LASER	<p>Class: 4</p> <p>Type: Diode laser, cw emission</p> <p>P lambda 440 nm - 660 nm: Max. 2000 mW cw</p> <p>White light output: 1.3 W</p> <p>Maximum output: 1.6 W</p> <p>Beam divergence: 0.8 mrad</p> <p>Red wavelength: 655 nm +/- 5 nm</p> <p>Green wavelength: 532.5 nm +/- 0.5 nm</p> <p>Blue wavelength: 442 nm +/- 3 nm</p>
PROJECTOR	<p>Horizontal projection angle: 60°</p> <p>Vertical projection angle: 60°</p> <p>SASRT (step response time): 0.3 ms</p>
CONSTRUCTION	<p>Housing: Aluminum</p> <p>Finish: Black</p> <p>Protection rating: IP 20</p>
INSTALLATION	<p>Orientation: Any</p> <p>Minimum distance to persons and objects in beam zone: 2 m (6.6 ft.)</p> <p>Minimum height above publicly accessible floor: 3 m (9.8 ft.)</p> <p>Minimum distance to combustible materials: 1 m (3.3 ft.)</p> <p>Minimum distance to illuminated surfaces: 2 m (6.6 ft.)</p> <p>Minimum clearance around device: 30 cm (11.8 in.)</p> <p>Relative humidity limits: 0% - 90% non-condensing</p>
CONNECTIONS	<p>AC power input: 3-pin IEC male socket, cable supplied</p> <p>Analog (ILDA) in/out: 25-pin sub-D</p> <p>DMX data in/out: 5-pin locking XLR</p> <p>Programming and uploads: USB 2.0</p>
ELECTRICAL	<p>AC power: 100-240 V nominal, 50/60 Hz</p> <p>Power supply unit: Auto-ranging electronic switch-mode</p> <p>Main fuse: 2.5 AT (slow blow)</p>
TYPICAL POWER AND CURRENT	<p>100 V, 60 Hz: 180 W, 1.8 A</p> <p>110 V, 60 Hz: 180 W, 1.7 A</p> <p>115 V, 60 Hz: 180 W, 1.7 A</p> <p>120 V, 60 Hz: 180 W, 1.7 A</p> <p>220 V, 50 Hz: 180 W, 0.7 A</p>

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

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