



G-1 Beam

White LED Moving Head



Description

The G-1 Beam is the first powerful battery-driven moving head for outdoor use. Its lightweight and compact design provides a fast, easy and accurate solution for stage events, corporate productions, TV sets, car shows and any other installation that needs reliability, versatility and a quick setup. The results are high contrast levels and extreme brightness in a small physical footprint at a low power consumption. The G-1 Beam can be ordered with or without batteries, installed with a remote base, or without any base at all.

Features and benefits

- ✓ Battery-driven IP65 white LED moving head
- ✓ Continuous pan movement, gobo shake, fast strobe
- ✓ 6,500K white, no hotspots
- ✓ Silent performance; no internal cleaning needed
- ✓ 2.8° beam angle, 19 gobos, color wheel
- ✓ DMX, RDM and 100% wireless (power and control)
- ✓ Ultra-high-speed strobe effect
- ✓ Flicker-free / Programmable scenes

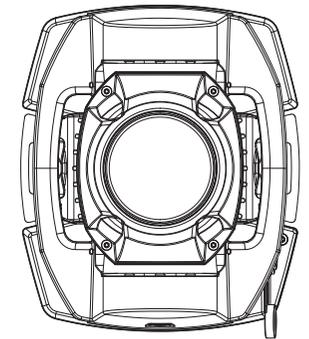
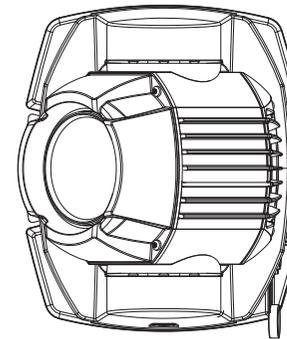
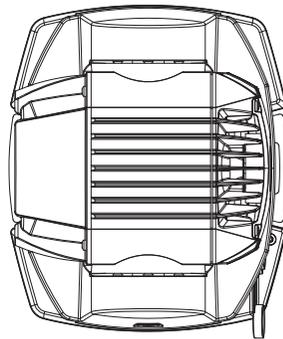
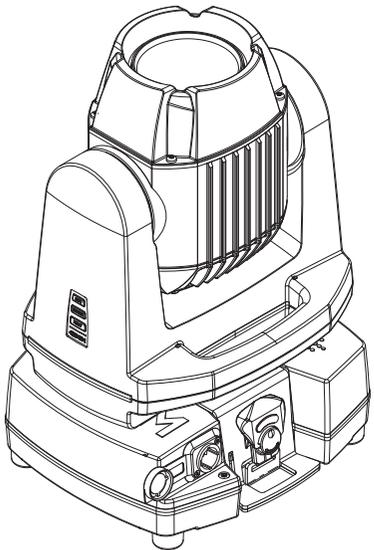
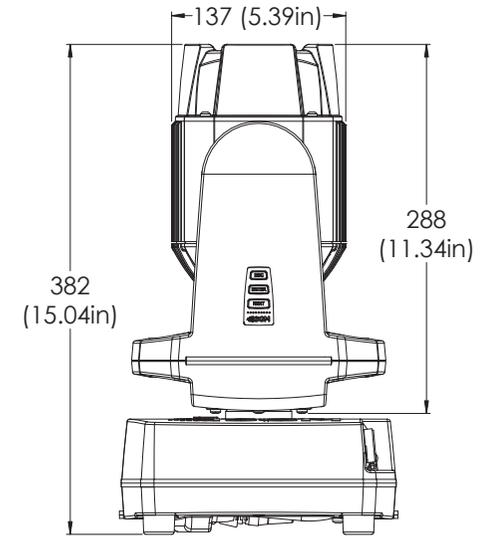
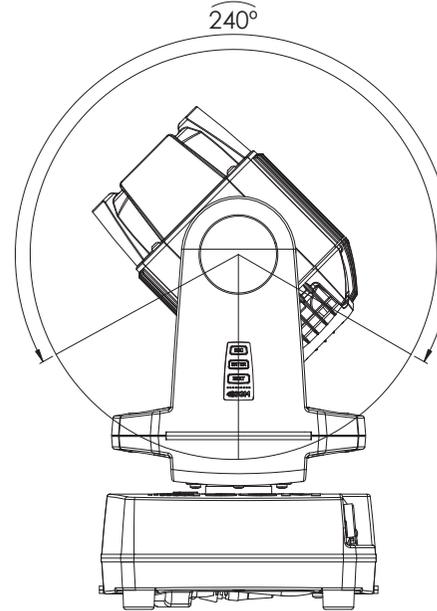
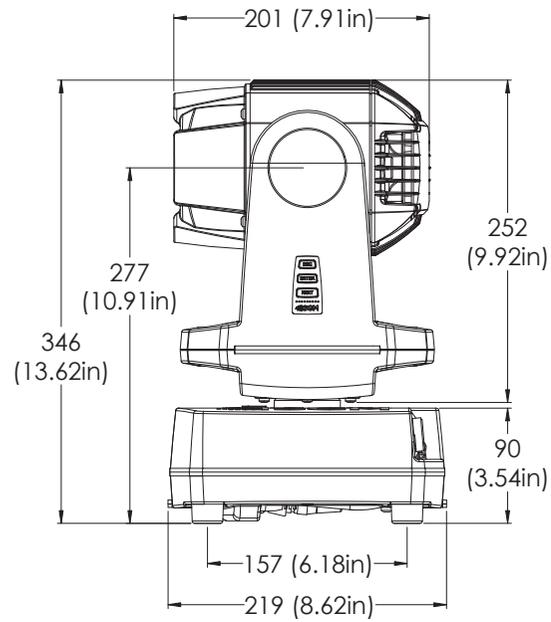
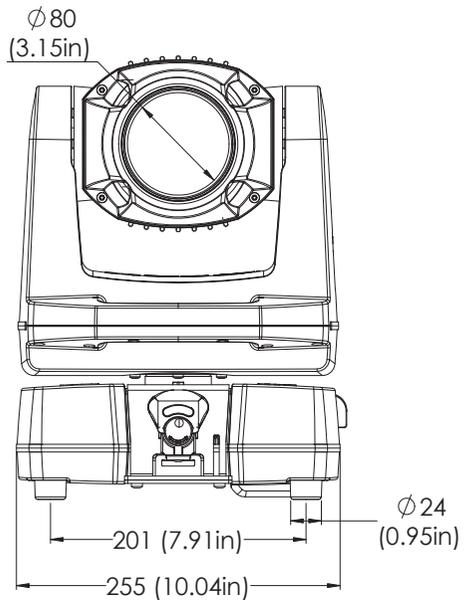
Certifications & classifications

IP65

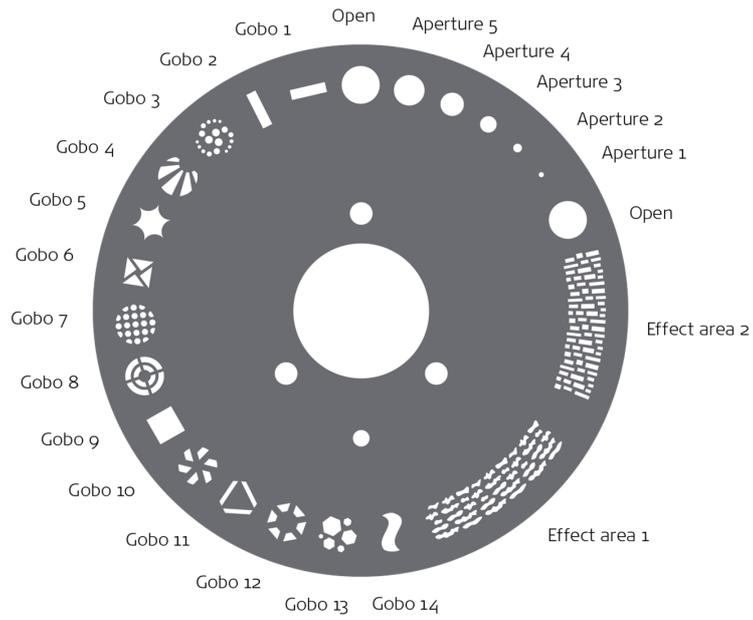
RoHS

CE

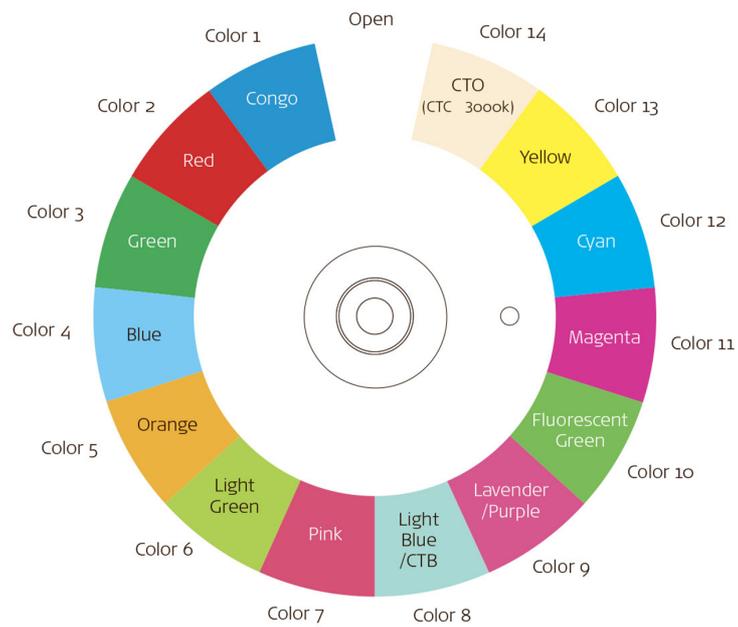




Gobo wheel



Color wheel



Specification

Optical Data	Focus	Motorized
	LED expected lifetime	50,000 hours
	Lightsource	High-power white LED (6,500K)
	Native lens options	2.8°
	Pseudo zoom range	0.3°
Photometric	Color temperature	6500K
	Efficacy	14 lm/W
	Lux @ 10m	4792 lux
	Lux @ 3m	53244 lux
	Lux @ 5m	19168 lux
	Maximum beam angle	2.1 °
	Maximum field angle	2.9 °
	Native beam angle(s)	0.3° (Aperture pseudo zoom) 2.8°
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	IP class	IP65
	Lens material	AR-coated glass
	Material	Aluminium PC/ASA Plastic Rubber Steel
	Net dimensions	219 x 382 x 255 mm
	Net dimensions inches	8.6 x 15.1 x 10 inches
	Net weight	8.9 kg (19.6 lbs)
	Features	Built-in macro effects
Color calibration		White calibration with SGM Color Match selection
Color wheel		14 colors + open Continuous scroll CW & CCW Split color
Dimming		Smooth fade in, gamma corrected curve
Gobo wheel (1)		Two oscillation gobo effect areas Gobo shake Continuous scroll CW & CCW 19 gobos + 2 times open
Pan		Endless

	Pan modes	360° 360° Shortest path 540° Continuous CCW Continuous CW Endless
	Strobe	Ultra-high-speed strobe effects
	Tilt	240°
Electrical	DC voltage, nominal	24 VDC
	Electrical protection	Overload protection with automatic recover
	Input voltage, absolute max. rating	90 - 264 VAC; 50 / 60 Hz
	Input voltage, nominal	100 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	35 A
	Max power consumption	50 W
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	7 W
Programming and Control	16-bit control	Dimmer, pan and tilt
	Cabled DMX	5 pin XLR input/output
	DMX channels	12
	DMX modes	1
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20
	Setting and addressing	Control panel OLED graphical display / 4 buttons RDM ANSI E1.20 Standalone mode
	Standalone mode	8 Internal Standalone Programs 9 Internal Pan/Tilt Presets
	Wireless DMX	Lumen Radio with RDM
Connections	DMX data in/out	IP65 XLR 5-pin cable, 0,2 m (7.8 in) IP65 XLR 5-pin connector, Male
	Power	Power input connector
Installation	Mounting point	2 quarter-turn locking points for one Omega bracket
	Orientation	Any
	Rigging possibilities	Hanging (Omega Bracket included) or ceiling/wall mount (optional)
	Safety features	2 attachment points for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).

Thermal	Cooling	Passive
	Humidity (max.)	98 %
	Temperature range, battery operating	-20°C to 50°C
	Temperature range, battery Start-up	-20°C to 50°C
	Temperature range, charging	10°C to 45°C
	Temperature range, operating	-40°C to 50°C
	Temperature range, start-up	-20°C to 50°C
	Temperature range, storage	-20°C to 25°C
	Thermal protection	Automatic overtemperature protection
	Total heat dissipation, max power	170.6 BTU per hour
Total heat dissipation, standby	23.9 BTU per hour	
Included items	Included items	2 m IP66 power cable pigtail 1 Omega bracket with quarter-turn fasteners Safety instructions and installation quick guide
Battery	Battery capacity (non-stop)	7 - 9 hours
	Battery capacity (typical use)	12 - 14
	Battery charge time up to 100%	12 - 16 hours
	Battery charge time up to 75%	8 - 12 hours
	Battery option	YES
	Battery status	Battery level indicator
	Battery type	Lithium-Ion battery
Memory effect	85% battery capacity after 500 full charge cycles	
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-1 EN 55103-2 EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1 EN 60598-2-17 EN 62471 EN 60529
	RoHS2 Directive	2011/65/EU
	UL	UL Std. 1573

NOTES:

Due to continuous improvements and innovations, specifications may change without notice.

LEDs' expected lifetime provided by manufacturer and obtained under manufacturer's test conditions.

Zoom range defined as a minimum beam angle to a maximum field angle.

Photometric measurements obtained with Goniometer Scan / SGM Illumination Lab 1.6.0.0.

Lumen output in pixel products is calculated.

Ordering information

Qty	Product name	Item number
<input type="checkbox"/>	G-1 Beam, Std, CU, (excl. Batt)	80100121
<input type="checkbox"/>	G-1 Beam, Std, CU, (incl. 3 pcs Batt)	80100123
<input type="checkbox"/>	G-1 Beam, Std, CU, Ceiling mount	80100127
<input type="checkbox"/>	G-1 Beam, Std, BL, (excl. Batt)	80100101
<input type="checkbox"/>	G-1 Beam, Std, BL, (incl. 3 pcs Batt)	80100103
<input type="checkbox"/>	G-1 Beam, Std, WH, (excl. Batt)	80100111
<input type="checkbox"/>	G-1 Beam, Std, BL, Ceiling mount	80100107
<input type="checkbox"/>	G-1 Beam, Std, WH, (incl. 3 pcs Batt)	80100113
<input type="checkbox"/>	G-1 Beam, Std, WH, Ceiling mount	80100117
<input type="checkbox"/>		

Accessories	Item number
<input type="checkbox"/> Omega Bracket with 1/4-turn fasteners	83060602
<input type="checkbox"/> Flight Case for 4 pcs of G-1 Beam	82051004
<input type="checkbox"/> Flight Case for 4 pcs of G-1 Beam incl. charger	82051005
<input type="checkbox"/> Battery, Nominal: 21.6 V - Nominal: 3350 mAh	83061709
<input type="checkbox"/> Battery, Nominal: 21.6V - Nominal: 3350 mAh (2 pcs)	83061710
<input type="checkbox"/> G-1 Battery Bracket w. screws	40000002
<input type="checkbox"/> Flight Case charger cable assembly kit (4 pcs)	83062044
<input type="checkbox"/> Power cable with IP connector	07860275
<input type="checkbox"/> SGM USB uploader cable	83062011
<input type="checkbox"/> Vacuum Test Kit	83061136
<input type="checkbox"/> A-4	80070217
<input type="checkbox"/> RDM Addressing Tool	
<input type="checkbox"/>	



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