G-7 Spot

LED moving head

Description

The G-7 Spot is the quintessence of IP-rated moving heads. A fast, compact, and lightweight mid-sized moving head spot with high-output and low power consumption. Thanks to its white LED engine and CMY color mixing, the G-7 Spot is the perfect moving head for those who need maximum light output inside an easy-to-move luminaire. The G-7 Spot gives you a solid construction, a high-quality beam, and an optimal projection in a very flexible assembly. A fixture born to rock night after night.

Features and benefits

- ✓ IP66-rated moving head spot with 6500K white LED engine
- ✓ 6 rotatable gobos, 9 static gobos, 3-facet prism, iris, and frost
- ✓ Compact, lightweight, silent / No internal cleaning needed

- ✓ 16000 lumen and 6° to 39° zoom range
- ✓ CMY color mixing with dichroic RGB macros, linear CTO, CTB and 1 wheel with 5 colors + open
- ✓ Clear and sharp projection
- ✓ Fast pan and tilt movement
- ✓ Superior thermal management for high reliability

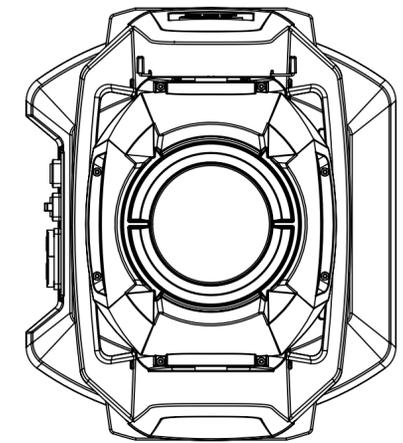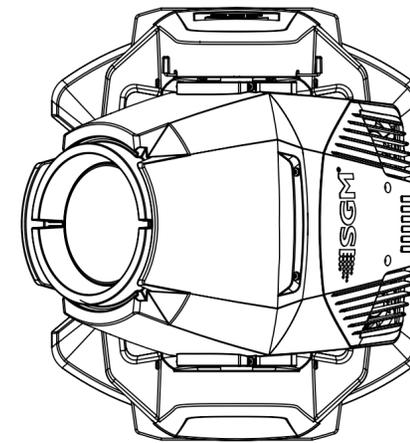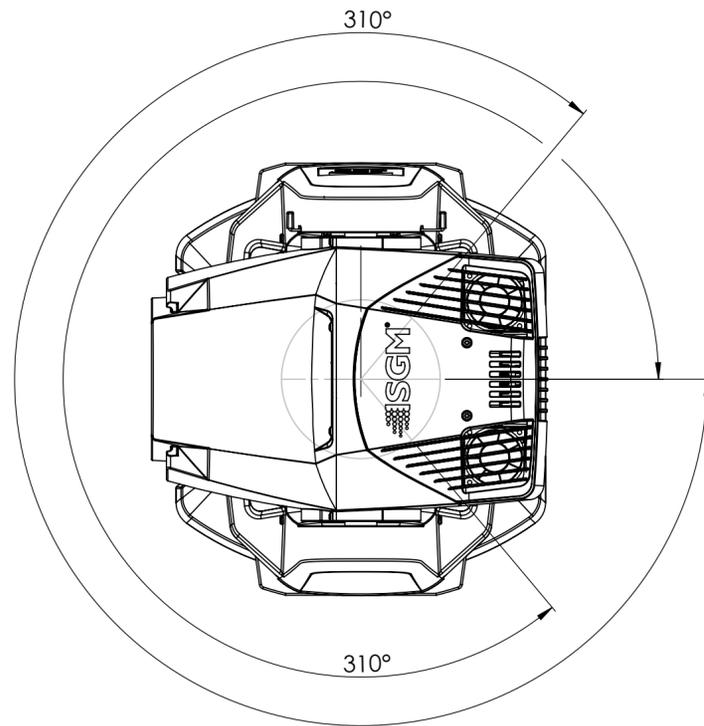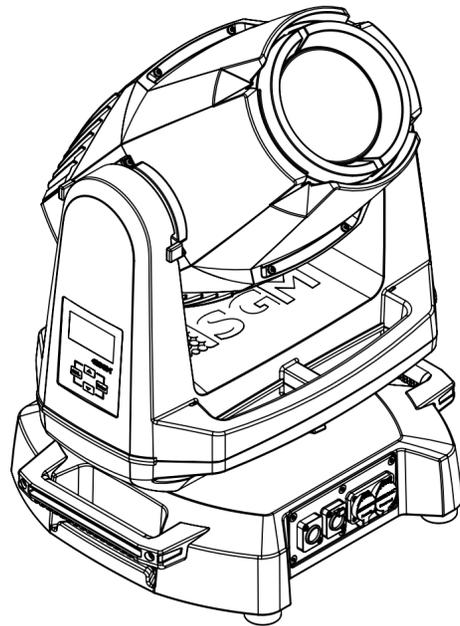## Certifications & classifications

IP66　　RoHS　　C E　　ETL c us　　ECO FRIENDLY

Ø117mm [4,61in]

396mm [15,60in]

240°

522mm [20,56in]

625mm [24,62in]

541mm [21,31in]

416mm [16,37in]

413mm [16,26in]

249mm [9,80in]

Ø37mm [1,46in]

387mm [15,25in]

323mm [12,72in]

370mm [14,56in]

432mm [17,01in]

310°

310°
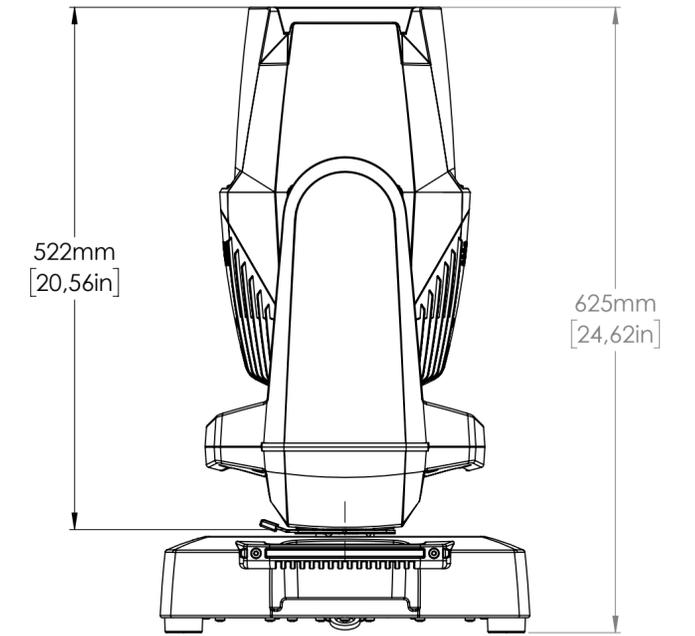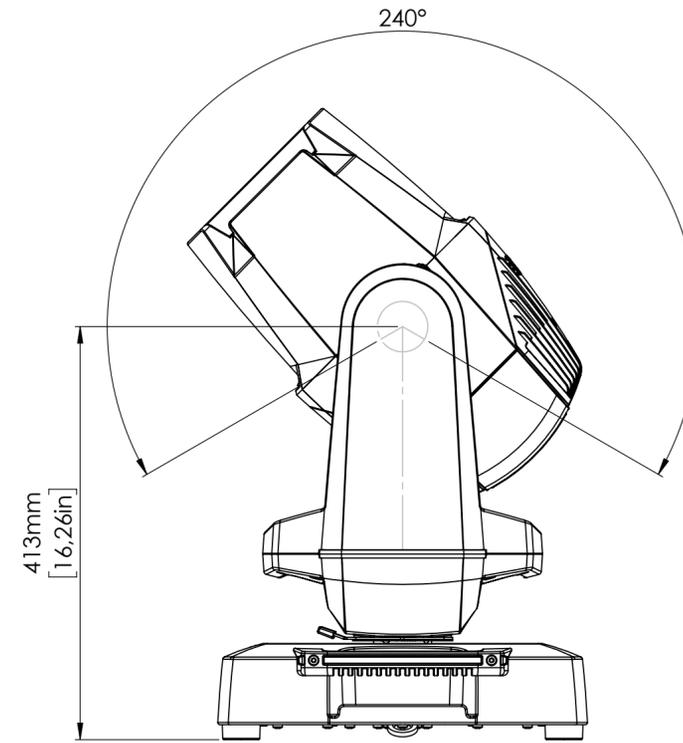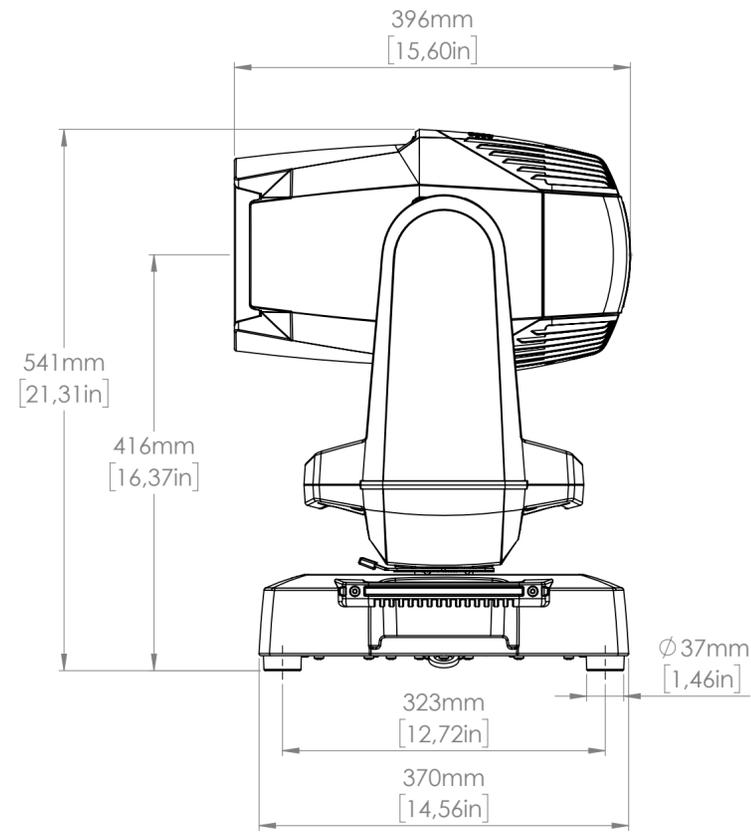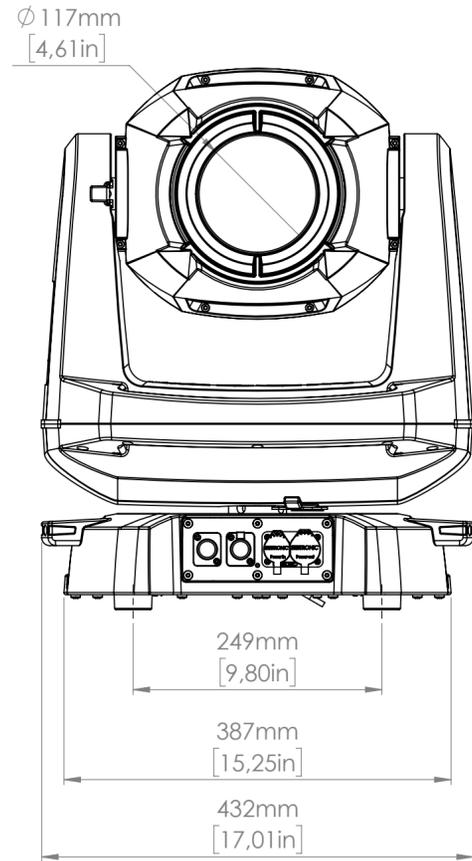
Tolerances according to ISO 2768-1: M		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING			PAPER SIZE:
Nominal size	Permissable deviations	⊕ ─	All Dimensions are in mm			A2
0.5 up to 3	±0,1		NAME	DATE		
over 3 up to 6	±0,1	Created By		10. januar 2018 11:52:50	TITLE:	
over 6 up to 30	±0,2	Last saved By	bar	12. oktober 2021 11:32:13		
over 30 up to 120	±0,3	FINISH:			G-7 Spot, Std, BL	
over 120 up to 400	±0,5	MATERIAL:			DWG NO.	
over 400 up to 1000	±0,8	Material <not specified>			60102505-E	
over 1000 up to 2000	±1,2	WEIGHT: 38726.65		SCALE:1:5	SHEET 1 OF 1	

SGM

Specification

Optical Data

Focus	Motorized
Frost	0% - 100%, variable
LED expected lifetime	20,000 hours
Lightsource	High-power white LED (6,500K)
Prism	3-facet rotatable and indexable prism
Zoom	Motorized
Zoom range	6° to 39°

Photometric

Color temperature	6500K Linear CTO and CTB
Efficacy	35.8 lm/W
Light output all LEDs on	16000 lm
Lumen per kilogram	593 lm / Kg
Lux @ 10m	11963 lux
Lux @ 5m	47854 lux
Maximum beam angle	28.6 °
Maximum field angle	38.7 °
Minimum beam Angle	5.8 °
Minimum field angle	9.2 °

Physical

Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
Effective Projected Area	4.6 Square ft
IK rating	IK07
IP class	IP66
Lens material	AR-coated glass
Material	Aluminium PC/ASA Rubber Steel
Net dimensions	433 x 622 x 370 mm
Net dimensions inches	17.1 x 24.5 x 14.6 inches
Net weight	27 kg (59.5 lbs)

Features

Color calibration	White calibration with SGM Color Match selection
Color wheel	5 colors + open
Dehumidifier	Head
Dimming	Smooth fade in, gamma corrected curve

	Effect wheels	FX area integrated on color wheel
	Gobo wheel (1)	9 static gobos + open
	Gobo wheel (2)	6 rotatable, indexable, and interchangeable gobos + open
	Iris	1% - 100%, pulse effect
	Other	CMY color mixing with added dichroic RGB macros Linear CTO CTB filter
	Pan	620°
	Physical head straight up height	623 mm
	Strobe	Ultra-high-speed strobe effects Pixel strobe feature (up to 3 segments)
	Tilt	240°
	Tilt locking system	Yes
Electrical	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	70 A
	Max power consumption	480 W
	Max power thru @ 100 V	14 A
	Max power thru @ 230 V	13 A
	Power factor	0.96 PF (230 V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	65 W
Programming and Control	16-bit control	Dimmer, colors, CTO, pan/tilt, gobo index/rotation, zoom, focus
	Cabled DMX	5 pin XLR input/output
	DMX channels	22 or 29
	DMX modes	2
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20 Standalone mode
	Wireless DMX	Lumen Radio with RDM
Connections	DMX data in/out	IP67 XLR 5-pin connector, Female IP67 XLR 5-pin connector, Male
	Power	Power input connector & link-thru

Installation	Mounting point	4 x 2 quarter-turn locking points
	Orientation	Any
	Rigging possibilities	Hanging (Omega Brackets included)
	Safety features	Bottom mount for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).

Thermal	Cooling	Active, Forced Air, Temperature-regulated
	Humidity (max.)	98 %
	Temperature range, operating	-40°C to 50°C
	Temperature range, start-up	-20°C to 50°C
	Temperature range, storage	-40°C to 80°C
	Thermal protection	Automatic overtemperature protection
	Total heat dissipation, max power	1637.8 BTU per hour
	Total heat dissipation, standby	221.8 BTU per hour

Included items	Included items	2 Omega bracket with quater-turn fasteners Safety instructions and installation quick guide

Gobos	Glass	Borosilicate high-temperature glass
	Image diameter	23 mm
	Maximum thickness glass	1.1 mm
	Outside diameter	28 mm

Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-2 EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 EN 55032
	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

Certified To	CSA	CSA Std. C22.2 No. 166

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
☐	G-7 Spot, Std, WH	80102506
☐	G-7 Spot, Std, CU	80102507
☐	G-7 Spot, Std, BL	80102505
☐		

Qty	Accessories	Item number
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	Power cable with IP connector	07860275
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	A·4	80070217
☐	RDM Addressing Tool	
☐	G·7 Spot Top Hat	83061184
☐	Flight Case for 2 pcs G-7 Series	82051020
☐		

SGM®

Headquarter +45 70 20 74 00
Mail info@sgmlight.com
Website sgmlight.com