



# G-7 Spot POI

LED moving head



## Description

The G-7 Spot POI is the ideal mid-sized IP-rated moving head. A reliable LED moving projector with gobo patterns and textures, high-output, and low power consumption. Thanks to its white LED engine and CMY color mixing, the G-7 Spot POI is the perfect moving head for those who need maximum light output in a compact size. The G-7 Spot POI gives you a solid construction, a high-quality beam, and an optimal projection in a very flexible assembly. A moving fixture prepared for the challenges of harsh environments.

## Features and benefits

- ✓ IP66-rated moving head spot with 6500K white LED engine
- ✓ 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
- ✓ 6 rotatable gobos, 9 static gobos, 3-facet prism, iris, and frost
- ✓ Clear and sharp projection
- ✓ Fast pan and tilt movement
- ✓ Compact, lightweight, and silent / No internal cleaning needed
- ✓ Superior thermal management for high reliability

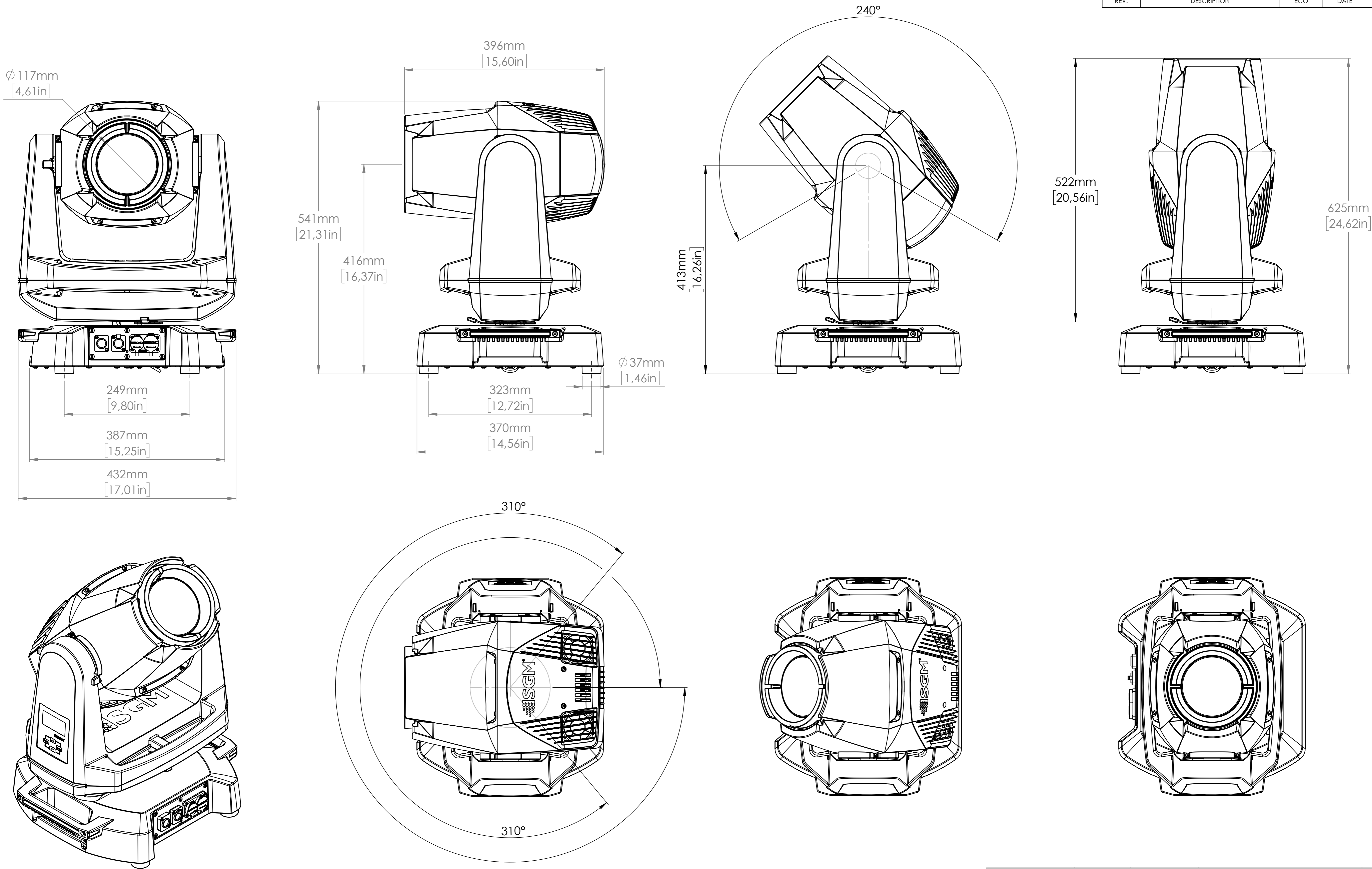
## Certifications & classifications

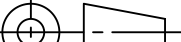
IP66

RoHS



REVISIONS				
REV.	DESCRIPTION	ECO	DATE	CHANGED BY



Tolerances according to ISO 2768-1: M		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		PAPER SIZE:  A2	
Nominal size	Permissible deviations			All Dimensions are in mm			
0.5 up to 3	±0.1	NAME		DATE		TITLE:  G-7 Spot, Std, BL	
over 3 up to 6	±0.1	Created By		10. januar 2018 11:52:50			
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:				DWG NO.  60102505-E	
over 120 up to 400	±0.5	MATERIAL:					
over 400 up to 1000	±0.8	Material <not specified>					
over 1000 up to 2000	±1.2	WEIGHT: 38726.65		SCALE:1:5		SHEET 1 OF 1	

## Specification

<b>Optical Data</b>	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°
<b>Photometric</b>	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 °
<b>Physical</b>	Minimum field angle	9.2 °
	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Corrosion class	CX (C5-M - ISO 12944)
	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)
<b>Features</b>	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
	Power / DMX indicator	Head
	Strobe	Ultra-high-speed strobe effects Pixel strobe feature (up to 3 segments)
	Tilt	240°
	Tilt locking system	Yes
<b>Electrical</b>	Electrical protection	Overload protection with automatic recover
	Input voltage, absolute max. rating	90 - 305 VAC; 50 / 60 Hz
	Input voltage, nominal	100 - 277 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
<b>Programming and Control</b>	16-bit control	Dimmer, colors, CTO, pan/tilt, gobo index/rotation, zoom, focus
	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
<b>Connections</b>	Data cable diameter	6,5 mm +/- 0,2 mm
	DMX data in/out	5 meter cable for DMX In and DMX Thru (permanently wired)

	Power	Power cable 5 meter with bare ends (permanently wired)
	Power cable diameter	8,5 mm +/- 0,3 mm
<b>Installation</b>	Mounting point	4 x 2 M-10 locking points (suitable for two or four POI Omega Brackets)
	Orientation	Any
	Rigging possibilities	Hanging / horizontal mounted
	Safety features	Bottom mount for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).
<b>Thermal</b>	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
<b>Included items</b>	Included items	Safety instructions and installation quick guide 8 M-10 screws
<b>Gobos</b>	Glass	Borosilicate high-temperature glass
	Image diameter	23 mm
	Maximum thickness glass	1.1 mm
	Outside diameter	28 mm
<b>Conforms To</b>	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
<b>Certified To</b>	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
<input type="checkbox"/>	G-7 Spot, POI, CU	80200607
<input type="checkbox"/>	G-7 Spot, POI, WH	80200606
<input type="checkbox"/>	G-7 Spot, POI, BL	80200605
<input type="checkbox"/>		
Accessories		Item number
<input type="checkbox"/>	G-7 Spot Top Hat	83061184
<input type="checkbox"/>	Omega Bracket POI	83060623
<input type="checkbox"/>	SGM USB uploader cable, POI	83062067
<input type="checkbox"/>		



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