



# G-Spot

## LED Moving Head



TruColor™



ThermalDrive™



DryTech™

### Description

The G-Spot is a multi-environmental, maintenance-free RGB LED moving head with IP65-rating and a bright color output. It is capable of an even field beam projection with sharp imaging and no color aberrations. The integrated dehumidifier of the G-Spot ensures perfect inner cleanness of the luminaire and no accumulation of dust or externally induced impact on internal optics, gobos or the light source unit. Due to the revolutionary product features, the G-Spot won the prestigious top industry PLASA Award for Innovation, 2013.

### Features and benefits

- ✓ High-power IP65 RGB LED light source
- ✓ 2 rotatory gobo wheels, FX wheel, 4-facet prism and ultra-high-speed strobe
- ✓ Linear frost and smooth iris feature
- ✓ Flicker-free / Programmable scenes
- ✓ 15327 lumen and 8° to 43° zoom range
- ✓ DMX, RDM and wireless control
- ✓ 2000K - 10000K CTC control, no hotspots
- ✓ Practically maintenance-free and silent performance

### Certifications & classifications

IP65

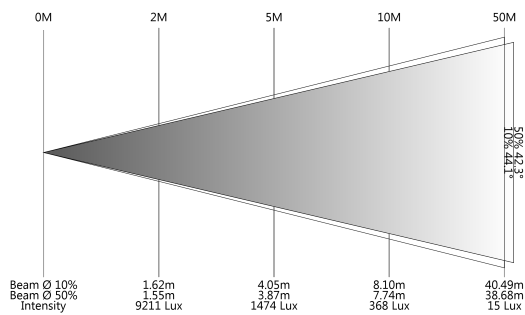
RoHS



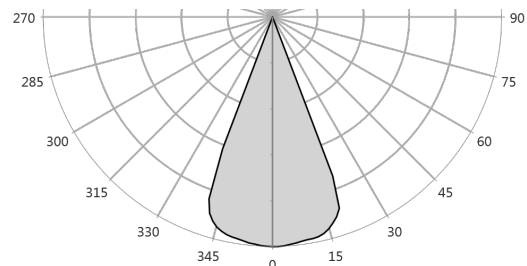
Manufacturer SGM  
Luminaire G-spot max All on raw peak  
Measurement Date 20-05-2017  
Power Consumption 971 W  
Light Output 15 327 lm  
Field Angle 44.1 deg  
Beam Angle 42.3 deg



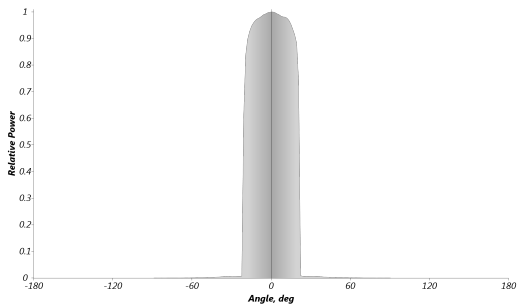
## Lux Diagram



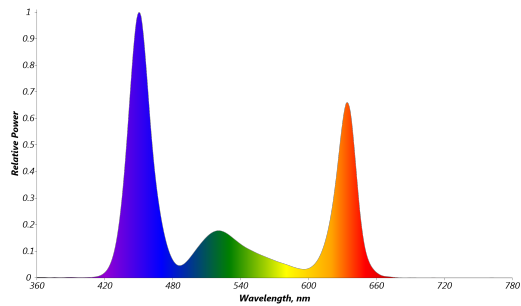
## Polar Distribution



## Beam Profile



## Spectral Distribution



Gobo wheel



# Specification

<b>Optical Data</b>	Focus	Motorized
	Frost	0% - 100%, variable
	LED expected lifetime	50,000 hours
	Lens diameter	125 mm
	Lightsource	High-power RGB LED
	Prism	4-facet rotating prism
	Pseudo zoom range	1° to 43°
	Zoom	Motorized
	Zoom range	8° to 43°
<b>Photometric</b>	Color temperature range	2000K - 10000K
	Efficacy	16 lm/W
	Light output all LEDs on	15327 lm
	Light output blue	1446 lm
	Light output green	3571 lm
	Light output red	4663 lm
	Lumen per kilogram	295 lm / Kg
	Lux @ 10m	5529 lux
	Lux @ 3m	61437 lux
	Lux @ 5m	22117 lux
	Maximum Beam Angle	42 °
	Maximum Field Angle	44 °
	Minimum Beam Angle	9 °
Minimum Field Angle	11 °	
<b>Physical</b>	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	IP class	IP65
	Lens material	AR-coated glass
	Material	Aluminium Plastic PA6.6 Stainless Steel
	Net dimensions	470 x 805 x 492 mm
	Net dimensions inches	18.5 x 31.7 x 19.4 inches
	Net max height	821 mm
	Net weight	52 kg (114.7 lbs)
	<b>Features</b>	Dehumidifier

	Dimming	Electronic
	Effect wheels	Continuous rotation with variable speed and direction
	Gobo wheel (1)	5 rotatable, indexable, and interchangeable gobos + open
	Gobo wheel (2)	5 rotatable, indexable, and interchangeable gobos + open
	Iris	1% - 100%, pulse effect
	Pan	540°
	Strobe	Ultra-high-speed strobe effects
	Tilt	270°
<b>Electrical</b>	AC power, max.	190 - 264V 50/60Hz
	AC Power, nominal	208 - 240V 50/60Hz
	Electrical Protection	Overload protection
	Main fuse	T12A - 250V
	Max Inrush Current 230VAC	30 A
	Max power consumption	1150 W
	Power factor	0.97 PF (230 V) PF (230V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	70 W
	Typical power consumption	750 W
<b>Programming and Control</b>	16-bit control	Dimmer, colors, pan/tilt, gobo index/rotation, zoom, focus
	Cabled DMX	5 pin XLR input/output
	DMX channels	24 or 30
	DMX modes	2
	Protocol	USITT DMX512A Wireless DMX (LumenRadio) RDM ANSI E1.20
	Setting and addressing	Control panel OLED graphical display / 4 buttons RDM ANSI E1.20 RFID
	Standalone mode	Up to 24 programmable scenes
	Wireless DMX	Lumen Radio with RDM
<b>Connections</b>	DMX data in/out	IP65 XLR 5-pin cable, 0,2 m (7.8 in)
	Power	Power input connector
<b>Installation</b>	Mounting point	4 x 2 quarter-turn locking points
	Orientation	Any
	Rigging possibilities	Hanging (Omega Brackets included)
	Safety features	2 attachment points 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	3923.8 BTU per hour
	Total Heat Dissipation, Standby	238.8 BTU per hour
	Total Heat Dissipation, Typical Power	2559 BTU per hour
<b>Included items</b>	Included items	2 Omega bracket with quarter-turn fasteners 2 m power cable Safety instructions and installation quick guide
<b>Gobos</b>	Glass	Borosilicate high-temperature glass
	Image diameter	30 mm
	Maximum thickness glass	3.5 mm colored glass or textured gobos
	Maximum thickness metal	1.1 mm black & white
	Metal	Not Recommended
	Outside diameter	37.5 mm
<b>Conforms To</b>	CE - 2014/30/EU: EMC Directive	EN 55103-1 EN 55103-2 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
<b>Certified To</b>	CSA	CSA E60598-1, Ed: 2 CSA-E598-2-17-98, Ed: 1

**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-Spot Moving Head, Std, BL	80021002
<input type="checkbox"/>	G-Spot Moving Head, WH	80021005
<input type="checkbox"/>	G-Spot Moving Head, Std, CU	80021009
<input type="checkbox"/>		
	<b>Accessories</b>	<b>Item number</b>
<input type="checkbox"/>	G-Profile Module	83061405
<input type="checkbox"/>	Omega Bracket with 1/4-turn fasteners	83060602
<input type="checkbox"/>	Single Flight Case for G-Spot series	82051508
<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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