



# G-Spot Turbo

## LED Moving Head



TruColor™



ThermalDrive™



DryTech™

## Description

The G-Spot Turbo is a high-brightness LED moving head based on an optimized additive color mixing to match the highest demands of color rendering and total output. The integrated dehumidifier of the G-Spot Turbo ensures perfect inner cleanness of the luminaire and no accumulation of dust or externally induced particles on internal optics, gobos or the light source unit. G-Spot Turbo is the perfect solution for those who need a powerful LED spot moving head with good chromaticity levels and an outstanding performance in different shades of white.

## Features and benefits

- ✓ IP65 RLB LED light source (Red, Lime, Blue)
- ✓ 2 rotatory gobo wheels, FX wheel, 4-facet prism and ultra-high-speed strobe
- ✓ 2000K - 10000K CTC control, no hotspots
- ✓ Practically maintenance-free and silent performance
- ✓ 19973 lumen and 8° to 43° zoom range
- ✓ Extended color palette with warmer pastels and richer green hues
- ✓ Linear frost and smooth iris feature
- ✓ Flicker-free / programmable scenes / DMX, RDM, and wireless control

## Certifications & classifications

IP65

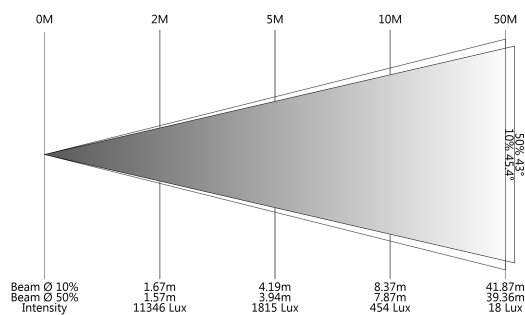
RoHS



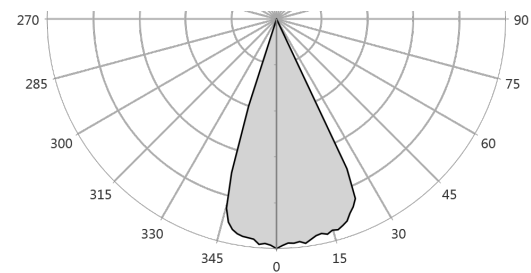
Manufacturer	SGM
Luminaire	G-spot Turbo max All on raw peak
Measurement Date	05-12-2017
Power Consumption	982 W
Light Output	19 973 lm
Field Angle	45.4 deg
Beam Angle	43.0 deg



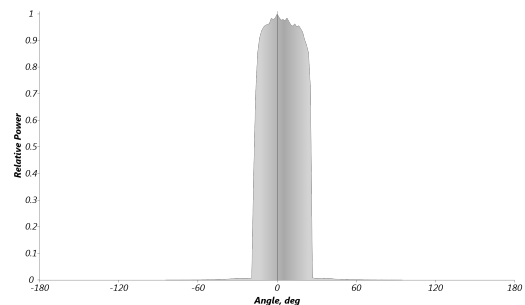
## Lux Diagram



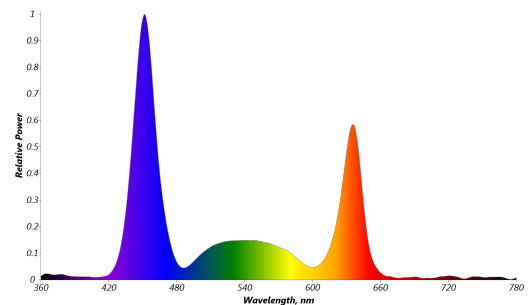
## Polar Distribution



## Beam Profile



## Spectral Distribution



Gobo wheel



# Specification

## Optical Data

Focus	Motorized
Frost	0% - 100%, variable
LED expected lifetime	50,000 hours
Lens diameter	125 mm
Lightsource	High-power RLB LED
Prism	4-facet rotating prism
Pseudo zoom range	1° to 43°
Zoom	Motorized
Zoom range	8° to 43°

## Photometric

Color temperature range	2000K - 10000K
CRI typical	83
Efficacy	20 lm/W
Light output all LEDs on	19973 lm
Light output blue	1896 lm
Light output green	5899 lm
Light output red	4523 lm
Lux @ 10m	7042 lux
Lux @ 3m	78241 lux
Lux @ 5m	28166 lux
Maximum Beam Angle	43 °
Maximum Field Angle	45 °
Minimum Beam Angle	9 °
Minimum Field Angle	11 °

## Physical

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)

## Features

Dehumidifier	Base / Head
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	Dimming	Electronic
	Effect wheels	Continuous rotation with variable speed and direction
	Gobo wheel (1)	6 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	0.98 PF (230 V) PF (230V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	70 W
	Typical power consumption	1000 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, 25, 30 or 31
	DMX modes	4
	Protocol	USITT DMX512A 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
<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	1.1 mm black & white or 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

**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 Turbo, Std, BL	80021201
<input type="checkbox"/>	G-Spot Turbo, Std, WH	80021202
<input type="checkbox"/>	G-Spot Turbo, Std, CU	80021203
<input type="checkbox"/>		
Accessories		Item number
<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"/>	G-Profile Turbo module	83061185
<input type="checkbox"/>		



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