

G-Profile

LED Moving Head



Description

The G-Profile is a multi-environmental, maintenance-free RGB LED moving head with IP65-rating and a bright color output. Its framing system allows the G-Profile to perform beam-shaping images and projections via four individually controllable blades with module rotation. It is capable of an even field beam projection with sharp imaging and no color aberrations. The integrated dehumidifier 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.

Features and benefits

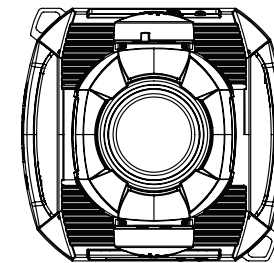
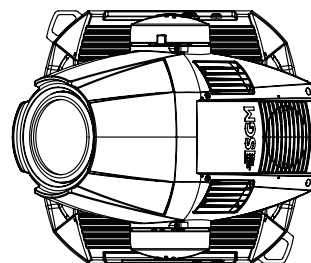
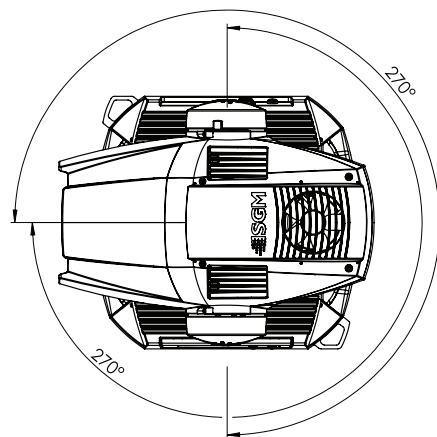
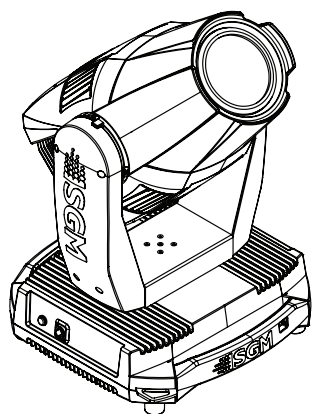
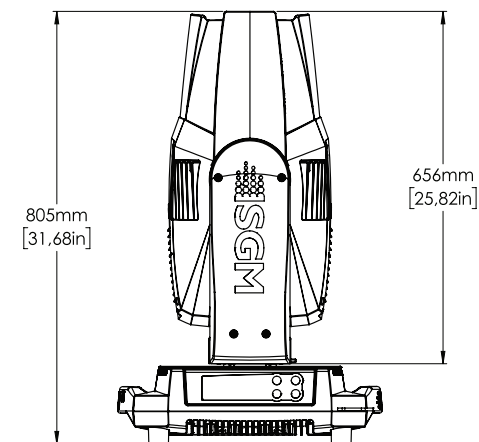
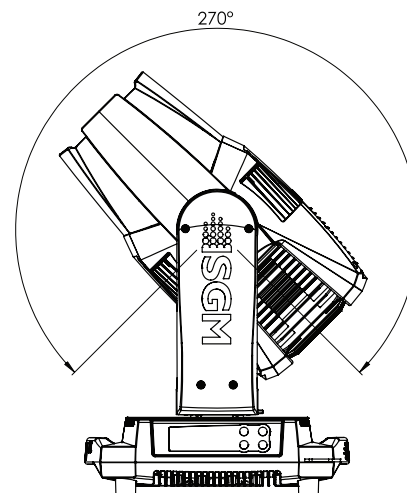
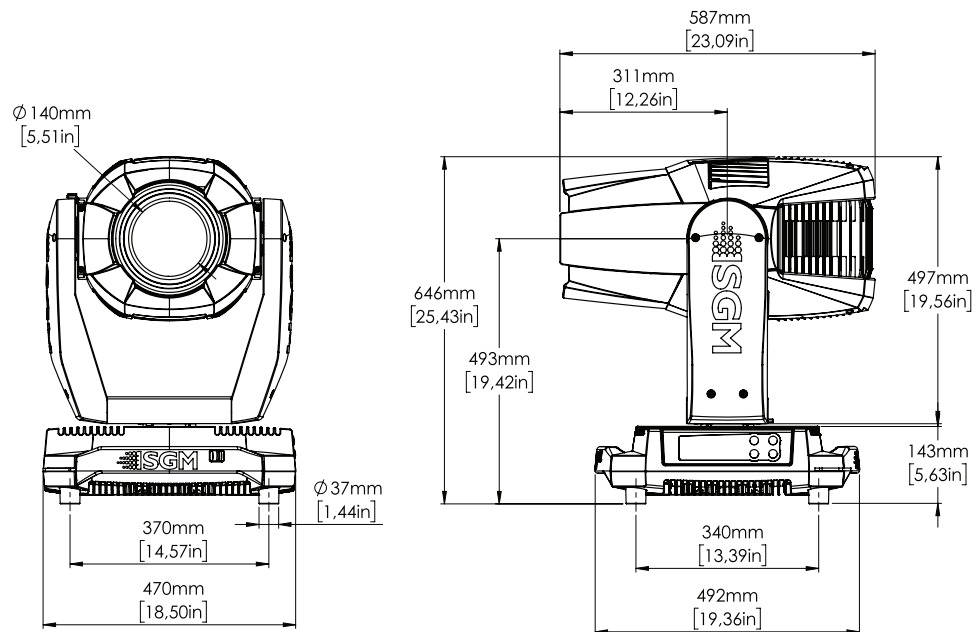
- ✓ High-power IP65 RGB LED light source
- ✓ 15327 lumen and 8° to 43° zoom range
- ✓ 4-blade rotatory framing module, 1 rotatory gobo wheel, FX wheel, 4-facet prism, and ultra-high-speed strobe
- ✓ DMX, RDM, and wireless control
- ✓ 2000K - 10000K CTC control, no hotspots
- ✓ Linear frost and smooth iris feature
- ✓ Practically maintenance-free and silent performance
- ✓ Flicker-free / Programmable scenes

Certifications & classifications

IP65

RoHS

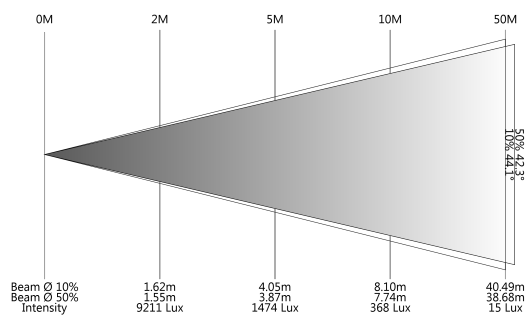




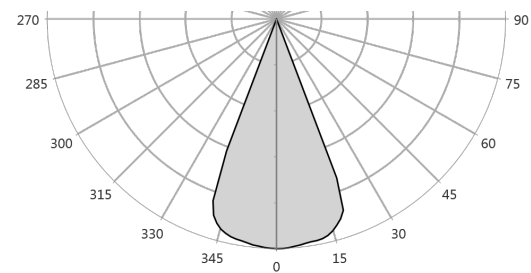
Manufacturer	SGM
Luminaire	G-profile max All on raw peak
Measurement Date	20-05-2017
Power Consumption	971 W
Light Output	15 327 lm
Field Angle	44.1 deg
Beam Angle	42.3 deg



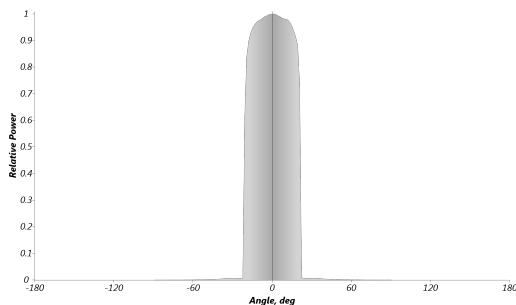
Lux Diagram



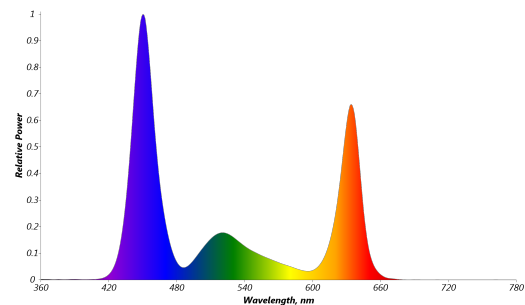
Polar Distribution



Beam Profile



Spectral Distribution



Gobo wheel



Specification

Optical Data

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°

Photometric

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
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 °

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 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
Dimming	Electronic

	Effect wheels	Continuous rotation with variable speed and direction
	Framing	Rotatable framing module +/-45° 4 controllable shutter blades, individually adjustable +/-30°
	Gobo wheel (1)	5 rotatable, indexable, and interchangeable gobos + open
	Iris	1% - 100%, pulse effect
	Pan	540°
	Strobe	Ultra-high-speed strobe effects
	Tilt	270°
Electrical	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	1100 W
	Power factor	0.99 PF (230 V) PF (230V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	65 W
	Typical power consumption	750 W
Programming and Control	16-bit control	Dimmer, colors, pan/tilt, gobo index/rotation, zoom, focus
	Cabled DMX	5 pin XLR input/output
	DMX channels	31 or 46
	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
Connections	DMX data in/out	IP65 XLR 5-pin cable, 0,2 m (7.8 in)
	Power	Power input connector
Installation	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).
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
Included items	Included items	2 Omega bracket with quarter-turn fasteners 2 m power cable Safety instructions and installation quick guide
Gobos	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
Conforms To	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
Certified To	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

Product name	Item number
G-Profile Moving Head, Std, BL	80021010
G-Profile Moving Head, Std, WH	80021015
G-Profile Moving Head, Std, CU	80021019
Accessories	Item number
G-Spot Module	83061407
Omega Bracket with 1/4-turn fasteners	83060602
Single Flight Case for G-Spot series	82051508
IP Power Cable	07860040
SGM USB uploader cable	83062011
Vacuum Test Kit	83061136
A-4	80070217
RDM Addressing Tool	
Single flightcase G-Spot Turbo, with labels	
Single flightcase G-spot, with labels	



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