G·Profile Turbo

LED Moving Head

Description

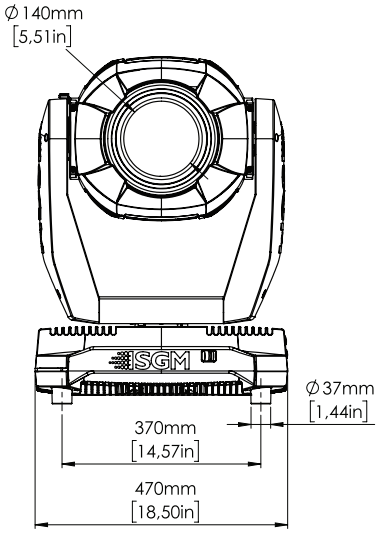
The G-Profile Turbo is a high-brightness LED moving head based on an optimized additive color mixing to match the highest demands of color rendering and total output. Its framing system allows the G-Profile Turbo to perform beam-shaping images and projections via four individually controllable blades with module rotation. The integrated dehumidifier ensures perfect inner cleanness of the luminaire. G-Profile Turbo is the perfect solution for those who need a powerful LED profile moving head with good chromaticity levels and an outstanding performance in different shades of white.

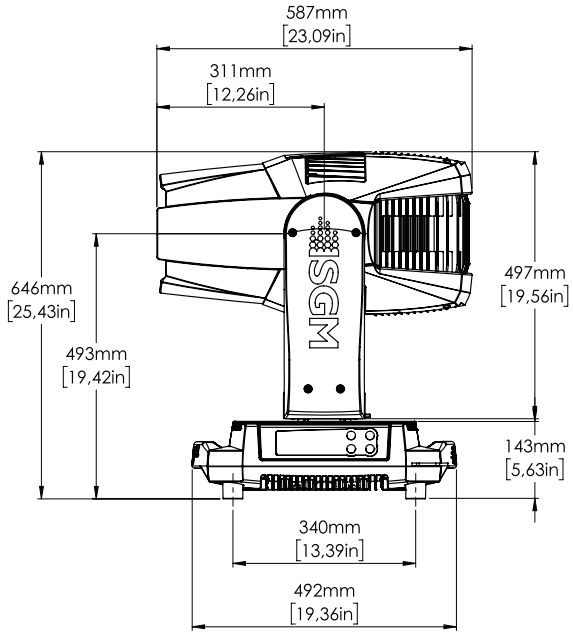
Features and benefits

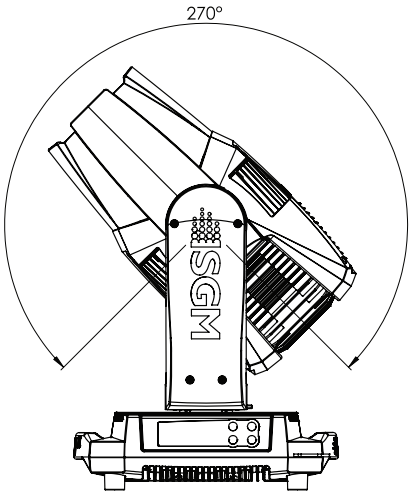
- ✓ IP65 RLB LED light source (Red, Lime, Blue)
- ✓ 4-blade rotatory framing module, 1 rotatory gobo wheel, FX wheel, 4-facet prism, and ultra-high-speed strobe
- ✓ Linear frost and smooth iris feature
- ✓ Flicker-free / programmable scenes / DMX, RDM, and wireless control
- ✓ lumen and 8° to 43° zoom range
- ✓ Extended color palette with warmer colors and richer green hues
- ✓ 2000K - 10000K CTC control, no hotspots
- ✓ Practically maintenance-free and silent performance

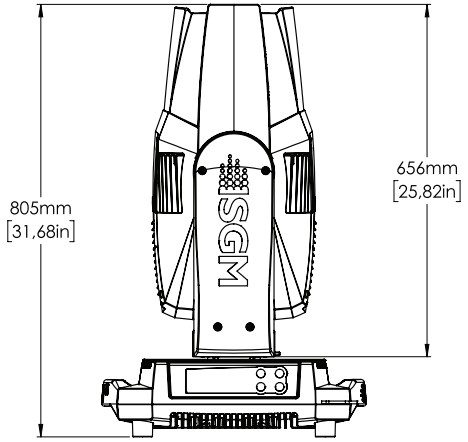
Certifications & classifications

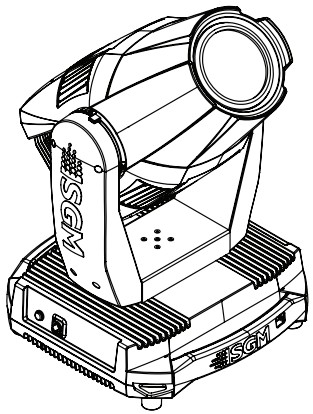
IP65 RoHS CE ETL PENDING ECO FRIENDLY

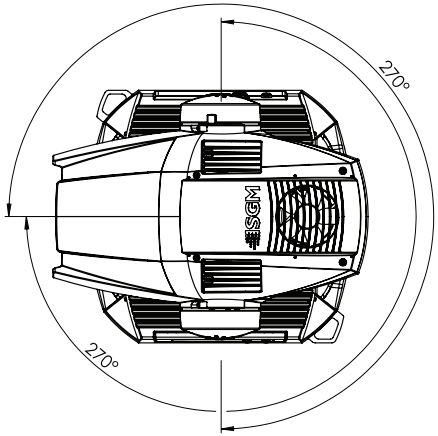

Ø140mm
[5,51in]
Ø37mm
[1,44in]
370mm
[14,57in]
470mm
[18,50in]

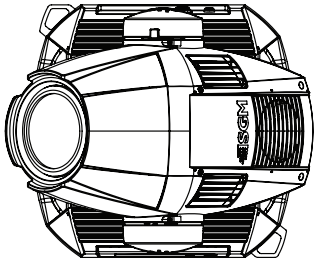

587mm
[23,09in]
311mm
[12,26in]
646mm
[25,43in]
493mm
[19,42in]
497mm
[19,56in]
143mm
[5,63in]
340mm
[13,39in]
492mm
[19,36in]

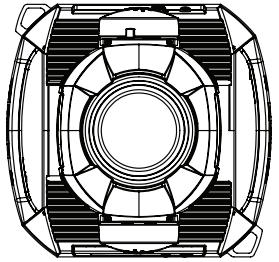

270°


805mm
[31,68in]
656mm
[25,82in]



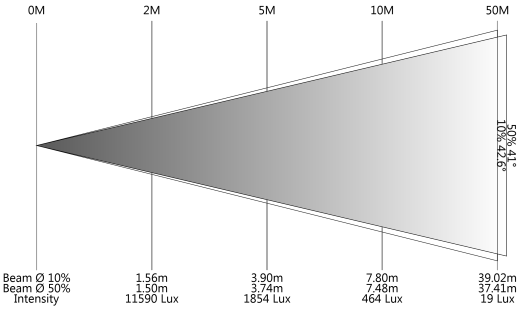

270°
270°



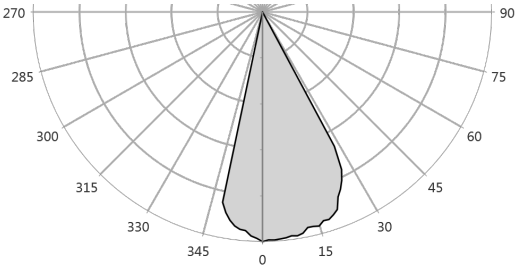


Manufacturer	SGM
Luminaire	G-Profile Turbo max All on raw peak
Measurement Date	30-01-2018
Power Consumption	982 W
Light Output	20 048 lm
Field Angle	42.6 deg
Beam Angle	41.0 deg

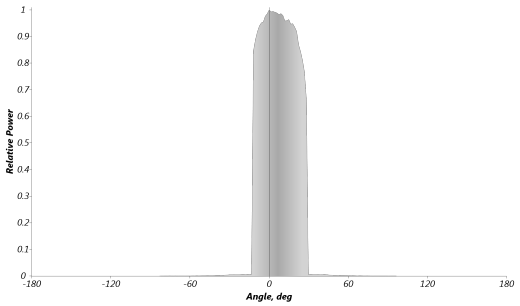
Lux Diagram



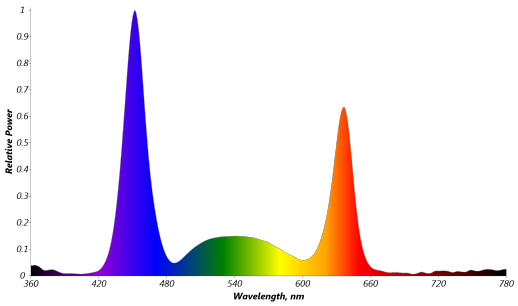
Polar Distribution



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 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	2 independent effect wheels with semi-continuous effect
	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
	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	1150 W
	Power factor	0.98 PF (230 V) PF (230V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	65 W
	Typical power consumption	1000 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, 32, 46, 47
	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
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 combutible

		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 quater-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

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 Turbo, Std, BL	80021211
G-Profile Turbo, Std, WH	80021212
G-Profile Turbo, Std, CU	80021213

Accessories	Item number
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	

SGM Light A/S
Sommervej 23, 8210 Aarhus V
Denmark
Telephone +45 70 20 74 00
Mail info@sgmlight.com