![SGM]

G·4 Wash POI

Fresnel LED light

Description

The G-4 Wash POI is a lightweight and compact fresnel projector, capable of outstanding color rendering and remarkable output. The optical system is designed to deliver a staggering brightness for a fixture with such a small footprint and a perfect color mix with a completely even field and no hotspots. Because of its wide zoom range, qualified color reproduction, accurate color temperature control, and low power consumption, the G-4 Wash POI is a very flexible moving light suitable for any application.

Features and benefits

✓ High-power LED Fresnel Wash projector with best-in-class color rendering index

✓ Accurate zoom range from 9º beam angle to 76º field angle

✓ Flicker-free / programmable scenes / continuous pan movement / DMX, RDM, and wireless control

✓ Corrosion class C5-M (marine) makes it ideal for coastal and offshore installations

✓ 2000K - 10000KCTC linear control with superb color mixing based on Red, Green, Blue, Amber, and Mint LEDs

✓ Ideal for medium sized installations such as entrance features, signage, landscapes, cruises, and beaches
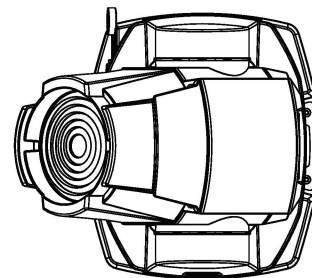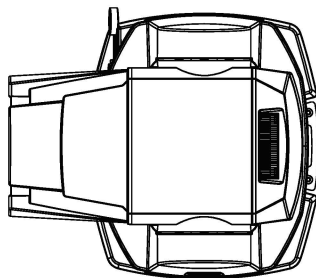
✓ 5-year warranty

✓ IP66-rated and patented built-in dehumidifier

Certifications & classifications

IP66   RoHS   C E   ECO FRIENDLY

∅ 107 mm
[4,21 in]

282 mm
[11,11 in]

188 mm
[7,38 in]

220°

360 mm
[14,17 in]

277 mm
[10,92 in]

266 mm
[10,46 in]

371 mm
[14,59 in]

465 mm
[18,30 in]

90 mm
[3,54 in]

∅ 24 mm
[0,95 in]

201 mm
[7,91 in]

255 mm
[10,02 in]

157 mm
[6,18 in]

219 mm
[8,62 in]

Photometric Report

SGM®
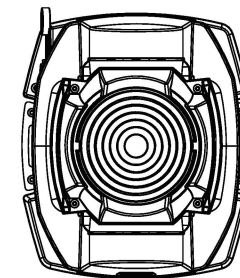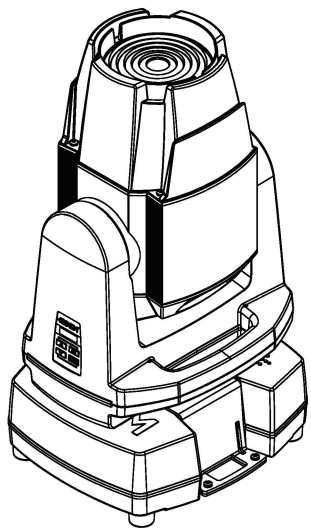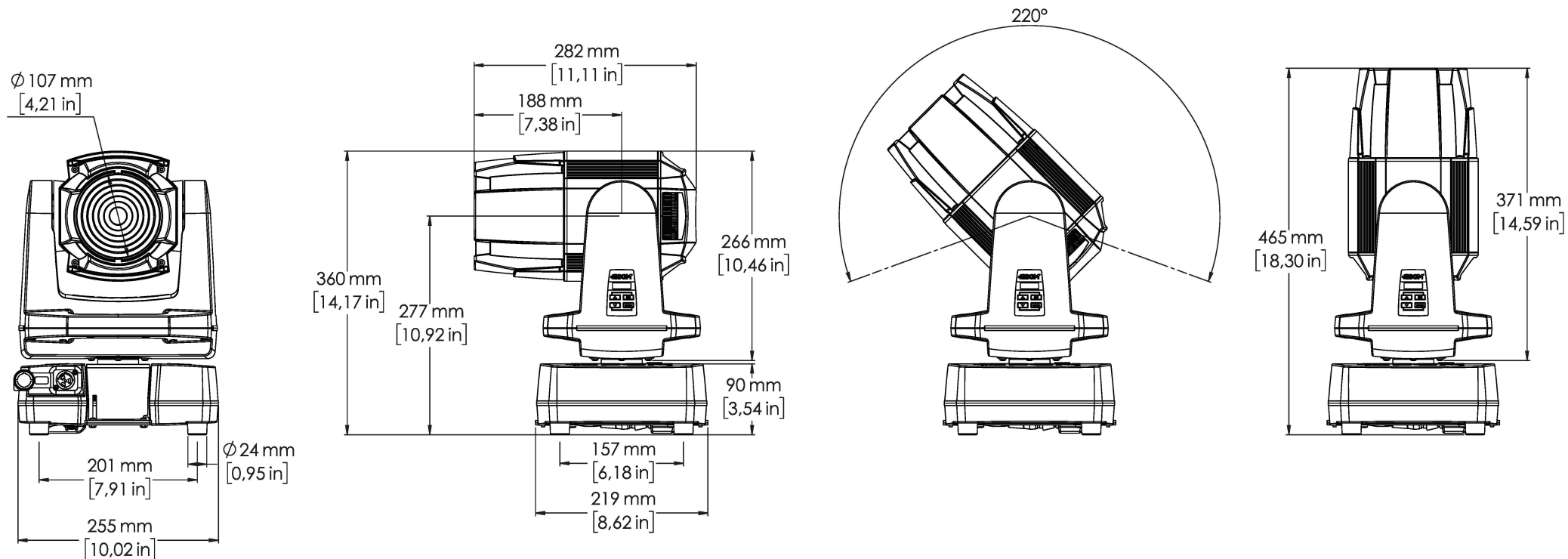
Manufacturer	SGM
Luminaire	G-4 Wash max All on raw peak
Measurement Date	24-09-2017
Power Consumption	197 W
Light Output	5 244 lm
Field Angle	82.9 deg
Beam Angle	55.9 deg
CRI	90
Color Temperature	6 359 K

Lux Diagram

0M	2M	5M	10M	50M

50% 55.9°
10% 82.9°

Beam Ø 10%	3.53m	8.84m	17.67m	88.36m
Beam Ø 50%	2.12m	5.31m	10.62m	53.09m
Intensity	1568 Lux	251 Lux	63 Lux	3 Lux
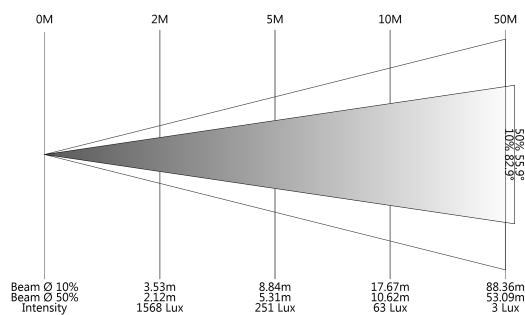
Polar Distribution
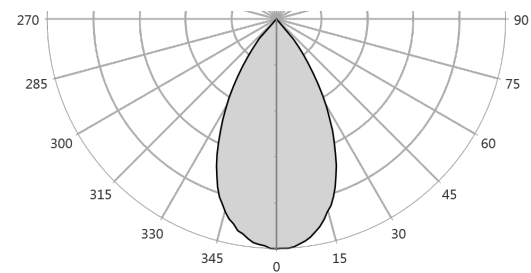
Beam Profile
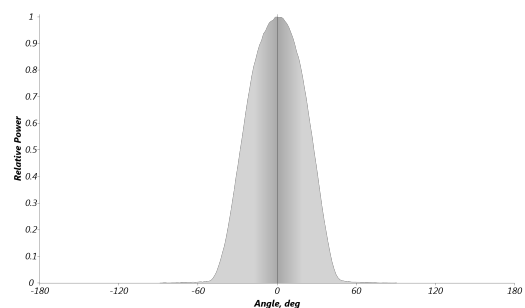
Spectral Distribution
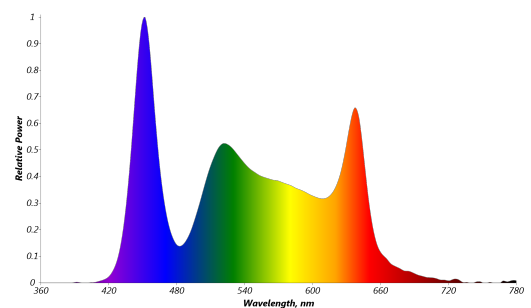
Specification

Optical Data

Fresnel lens diameter	112 mm
LED expected lifetime	50,000 hours
Lightsource	5 color 150 W
Zoom	Motorized
Zoom range	9° to 76°

Photometric

Average CQS (CTC)	91
Average CRI (CTC)	92
Average RF / TM-30-15 (CTC)	89
Average TLCI (CTC)	90
Color temperature range	2000K - 10000K
Efficacy	37 lm/W
Light output all LEDs on	7265 lm
Light output blue	264 lm
Light output green	1103 lm
Light output red	524 lm
Lumen per kilogram	727 lm / Kg
Lux @ 10m	757 lux
Lux @ 3m	7720 lux
Lux @ 5m	3027 lux
Max. CRI @ 3200K	94
Max. CRI @ 5600K	92
Max. TLCI @ 3200K	87
Max. TLCI @ 5600K	93
Maximum beam angle	52 °
Maximum field angle	78 °
Minimum beam Angle	9 °
Minimum field angle	20 °

Physical

Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
Corrosion class	CX (C5-M - ISO 12944)
IP class	IP66
Lens material	Tempered glass front
Material	Aluminium PC/ASA Plastic Rubber Steel
Net dimensions	219 x 465 x 255 mm

	Net dimensions inches	8.6 x 18.3 x 10 inches
	Net weight	10 kg (22.1 lbs)
Features	Color calibration	SGM proprietary, full color calibration
	Dehumidifier	Head
	Dimming	2 Smooth fade in, DMX-controllable curves: gamma corrected, and halogen emulation
	Emulation mode / effect	Tungsten response emulation Color Filter Emulation
	Other	Studio DMX mode(s)
	Pan	Endless
	Pan modes	360° 360° Shortest path 540° Continuous CCW Continuous CW Endless
	Power / DMX indicator	Head
	Strobe	Ultra-high-speed strobe effects
	Tilt	220°
Electrical	Electrical protection	Overload protection with automatic recover
	Input voltage, absolute max. rating	90 - 264 VAC; 50 / 60 Hz
	Input voltage, nominal	100 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	40 A
	Max power consumption	250 W
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	18 W
Programming and Control	16-bit control	Dimmer, colors, pan/tilt
	DMX channels	18
	DMX modes	1
	Protocol	USITT DMX512A RDM ANSI E1.20
	Setting and addressing	RDM ANSI E1.20
Connections	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

Installation	Mounting point	2 M-10 locking points (suitable for one optional POI Omega bracket)
	Orientation	Any
	Rigging possibilities	Hanging / horizontal mounted or ceiling / wall mount (optional)
	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
	Total heat dissipation, max power	853 BTU per hour
	Total heat dissipation, standby	61.4 BTU per hour
Included items	Included items	Safety instructions and installation quick guide 2 M-10 screws
Conforms To	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

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
☐	G-4 Wash, POI, BL	80101401
☐	G-4 Wash, POI, WH	80101501
☐	G-4 Wash, POI, WH, Ceiling mount	80101502
☐	G-4 Wash, POI, CU, Ceiling mount	80101602
☐	G-4 Wash, POI, BL, Ceiling mount	80101402
☐	G-4 Wash, POI, CU	80101601
☐		

Qty	Accessories	Item number
☐	Vacuum Test Kit	83061136
☐	G-4 / S-4 Top Hat	83061150
☐	RDM Addressing Tool	
☐	Omega Bracket POI	83060623
☐	SGM USB uploader cable, POI	83062067
☐		

SGM®

Headquarter +45 70 20 74 00
Mail info@sgmlight.com
Website sgmlight.com