



G-4 Wash Beam POI

Micro-Fresnel LED light



Description

The G-4 Wash-Beam POI is a fast and compact wash moving light capable of outstanding color rendering and a sharply defined beam angle. The optical system is designed to deliver a high-quality color mix with an accurate and precise beam of light. Because of its remarkable output, wide zoom range, qualified color reproduction, accurate color temperature control, and low power consumption, the G-4 Wash-Beam POI is a very flexible projection luminaire suitable for any application.

Features and benefits

- ✓ High-power LED Wash-Beam projector with best-in-class color rendering index
- ✓ 2000K - 10000K CTC linear control with superb color mixing based on Red, Green, Blue, Amber, and Mint LEDs
- ✓ Accurate zoom range from 4.8° beam angle to 34° field angle
- ✓ Ideal for medium sized installations such as entrance features, signage, landscapes, cruises, and beaches
- ✓ Flicker-free / programmable scenes / continuous pan movement / DMX, RDM, and wireless control
- ✓ 5-year warranty
- ✓ Corrosion class C5-M (marine) makes it ideal for coastal and offshore installations
- ✓ IP66-rated and patented built-in dehumidifier

Certifications & classifications

IP66

RoHS

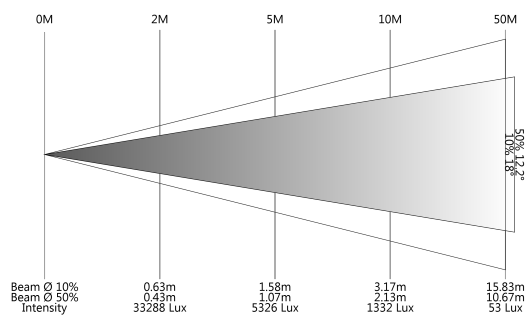
CE



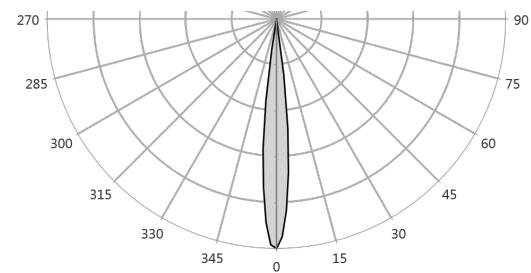
Manufacturer	SGM
Luminaire	G-4 Wash Beam med 12deg All on raw peak
Measurement Date	23-01-2018
Power Consumption	207 W
Light Output	5 738 lm
Field Angle	18.0 deg
Beam Angle	12.2 deg
CRI	90
Color Temperature	6 720 K



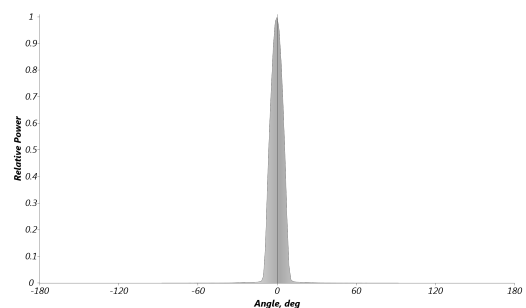
Lux Diagram



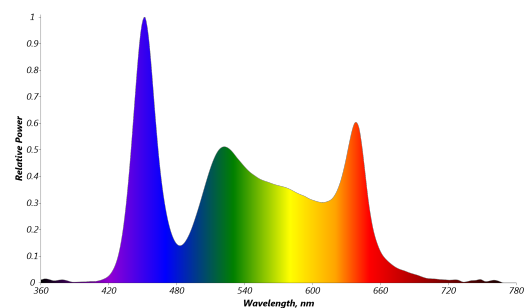
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens diameter	136 mm
	Lightsource	5 color 150 W
	Zoom	Motorized
	Zoom range	4.8° to 34°
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	27.7 lm/W
	Light output all LEDs on	5738 lm
	Lumen per kilogram	574 lm / Kg
	Lux @ 10m	2047 lux
	Lux @ 3m	22740 lux
	Lux @ 5m	8190 lux
	Max. CRI @ 3200K	94
	Max. CRI @ 5600K	92
	Max. TLCI @ 3200K	94
	Max. TLCI @ 5600K	93
	Maximum beam angle	30 °
	Maximum field angle	34 °
	Minimum beam Angle	4 °
	Minimum field angle	7 °
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Corrosion class	CX (C5-M - ISO 12944)
	IP class	IP66
	Material	Aluminium PC/ASA Plastic Rubber Steel
	Net dimensions	219 x 537 x 255 mm
	Net dimensions inches	8.6 x 21.2 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
<input type="checkbox"/>	G-4 Wash-Beam, POI, BL	80102001
<input type="checkbox"/>	G-4 Wash-Beam, POI, WH	80102301
<input type="checkbox"/>	G-4 Wash-Beam, POI, CU	80102401
<input type="checkbox"/>	G-4 Wash-Beam, POI, WH, Ceiling mount	80102302
<input type="checkbox"/>	G-4 Wash-Beam, POI, CU, Ceiling mount	80102402
<input type="checkbox"/>	G-4 Wash-Beam, POI, BL, Ceiling mount	80102002
<input type="checkbox"/>		
	Accessories	Item number
<input type="checkbox"/>	Vacuum Test Kit	83061136
<input type="checkbox"/>	RDM Addressing Tool	
<input type="checkbox"/>	Omega Bracket POI	83060623
<input type="checkbox"/>	SGM USB uploader cable, POI	83062067
<input type="checkbox"/>		



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