



# G·4 Wash-Beam

Micro-Fresnel LED wash-beam light



## Description

The G-4 Wash-Beam is a fast and compact wash moving light capable of outstanding color rendering and a sharp 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 is a very flexible moving light suitable for any application.

## Features and benefits

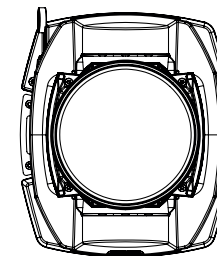
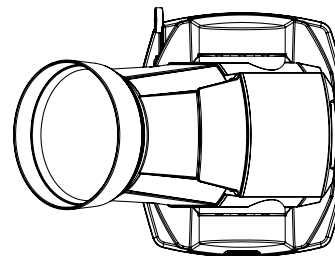
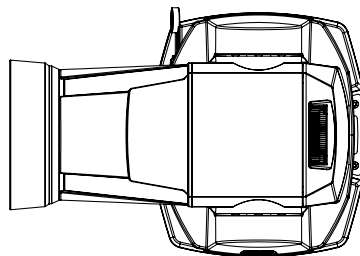
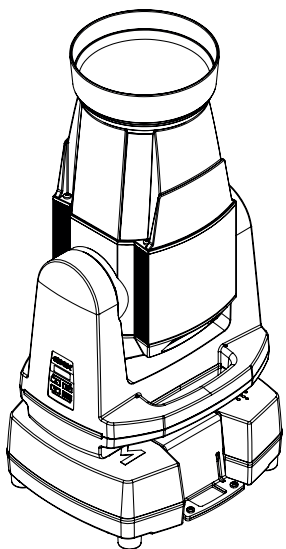
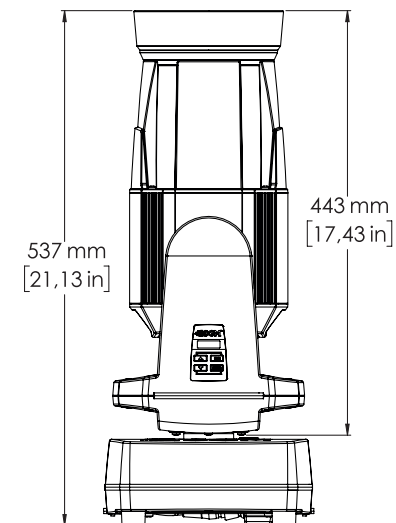
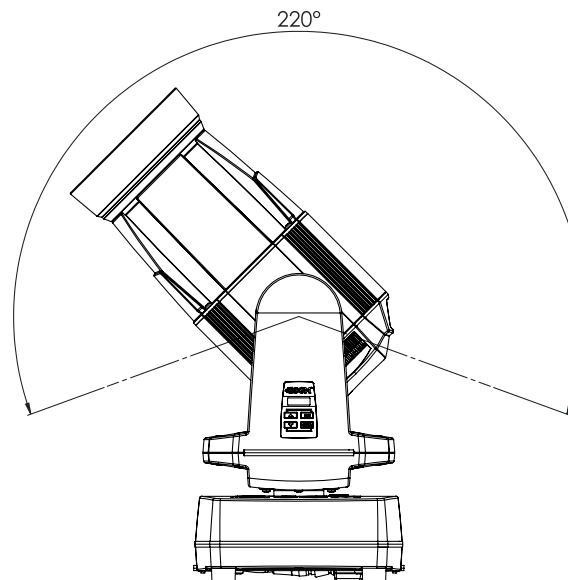
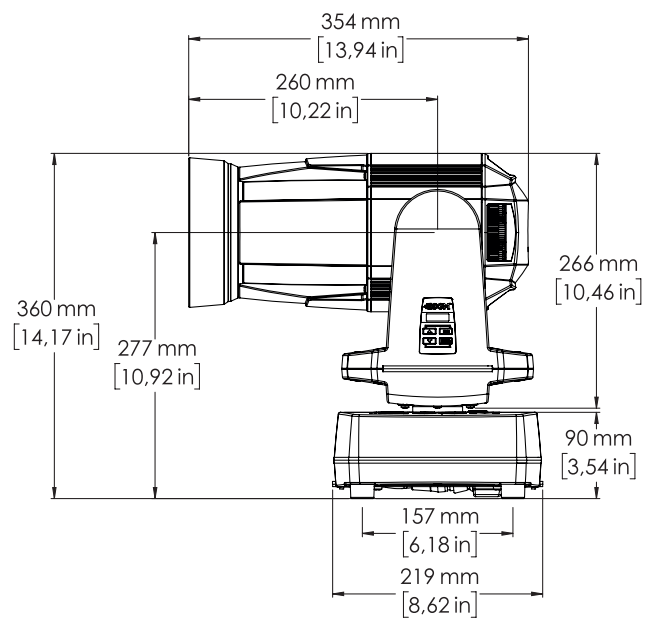
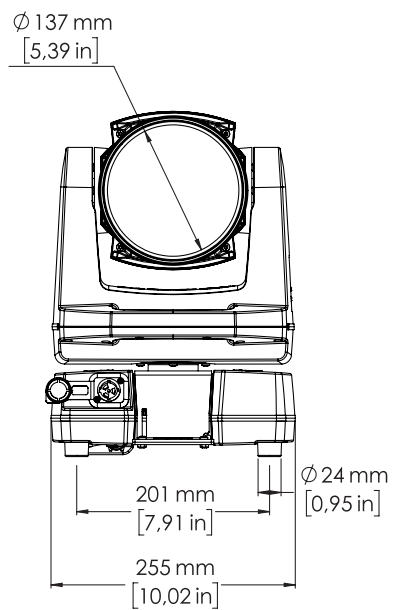
- ✓ High-power IP65 LED Wash-Beam moving head
- ✓ Best-in-class color rendering index: TLCI > 90, CRI > 92, CQS > 91, Rf > 89
- ✓ 2000K - 10000K CTC linear control with optimized color rendering
- ✓ Flicker-free / programmable scenes / continuous pan movement
- ✓ Superb color mixing based on Red, Green, Blue, Amber, and Mint LEDs
- ✓ Accurate zoom range from 4.8° beam angle to 34° field angle
- ✓ DMX, RDM, and wireless control
- ✓ Silent performance; no internal cleaning needed

## Certifications & classifications

IP65

RoHS

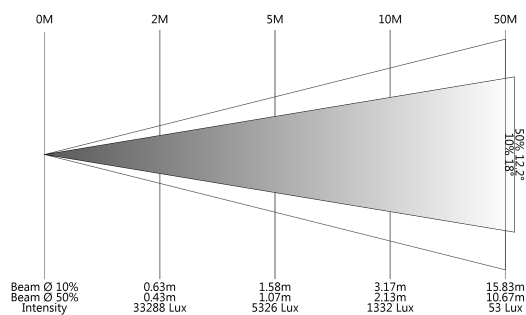




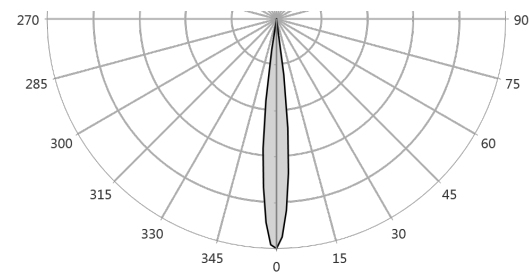
Manufacturer	SGM
Luminaire	G-4 Wash Beam med 12deg All on raw peak
Measurement Date	23-01-2018
Power Consumption	207 W
Light Output	5 738 lm
Field Angle	18.0 deg
Beam Angle	12.2 deg
CRI	90
Color Temperature	6 720 K



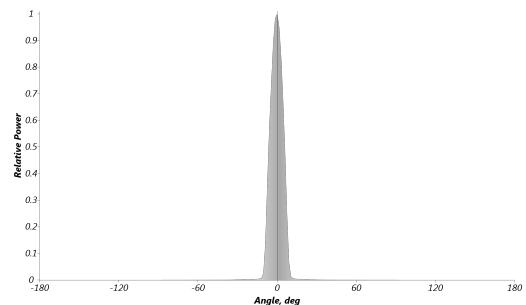
## Lux Diagram



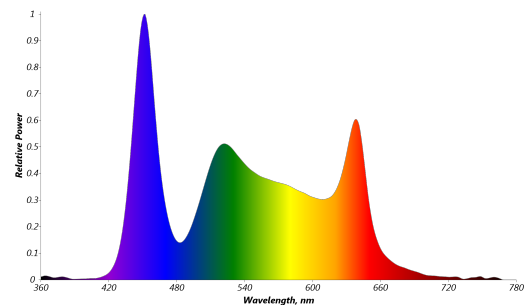
## Polar Distribution



## Beam Profile



## Spectral Distribution



# Specification

<b>Optical Data</b>	LED expected lifetime	50,000 hours
	Lens diameter	136 mm
	Lightsource	5 color 150 W
	Zoom	Motorized
	Zoom range	4.8° to 34°
<b>Photometric</b>	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	87
	Max. TLCI @ 5600K	93
	Maximum beam angle	30 °
	Maximum field angle	34 °
	Minimum beam Angle	4 °
	Minimum field angle	7 °
<b>Physical</b>	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	IP class	IP65
	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)
<b>Features</b>	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
	Strobe	Ultra-high-speed strobe effects
	Tilt	220°
	Variable aperture	Optimized Beam Narrow / Optimized Beam Wide
<b>Electrical</b>	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
<b>Programming and Control</b>	16-bit control	Dimmer, colors, pan/tilt
	Cabled DMX	5 pin XLR input/output
	DMX channels	18
	DMX modes	1
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20
	Setting and addressing	Control panel RDM ANSI E1.20
	Standalone mode	8 Internal Standalone Programs 9 Internal Pan/Tilt Presets
	Wireless DMX	Lumen Radio with RDM
<b>Connections</b>	DMX data in/out	IP65 XLR 5-pin cable, 0,2 m (7.8 in) IP65 XLR 5-pin connector, Male
	Power	Power input connector

<b>Installation</b>	Mounting point	2 quarter-turn locking points for one Omega bracket
	Orientation	Any
	Rigging possibilities	Hanging (Omega Bracket included) or ceiling/wall mount (optional)
	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
	Total heat dissipation, max power	853 BTU per hour
	Total heat dissipation, standby	61.4 BTU per hour
<b>Included items</b>	Included items	2 m IP66 power cable pigtail 1 Omega bracket with quarter-turn fasteners
<b>Conforms To</b>	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
	RoHS2 Directive	2011/65/EU
	UL	UL Std. 1573
<b>Certified To</b>	CSA	CSA Std. C22.2 No. 166

#### 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, Std, WH	80102101
<input type="checkbox"/>	G-4 Wash-Beam, Std, CU	80102201
<input type="checkbox"/>	G-4 Wash-Beam, Std, BL	80101901
<input type="checkbox"/>	G-4 Wash-Beam, Std, WH, Ceiling mount	80102102
<input type="checkbox"/>	G-4 Wash-Beam, Std, CU, Ceiling mount	80102202
<input type="checkbox"/>	G-4 Wash-Beam, Std, BL, Ceiling mount	80101902
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	Accessories	Item number
<input type="checkbox"/>	G-4 Wash Front Lens Kit	83061409
<input type="checkbox"/>	Omega Bracket with 1/4-turn fasteners	83060602
<input type="checkbox"/>	Flight Case for 4 pcs of G-4	82051011
<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"/>	4-way Motorized Barndoors for G-4, S-4	83061166
<input type="checkbox"/>	RDM Addressing Tool	
<input type="checkbox"/>		



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