



# G-4 Wash

Fresnel LED wash light



## Description

The G-4 Wash is a lightweight and compact Fresnel moving head light, capable of exceptional color rendering and remarkable output. The optical system is designed to deliver, not only a staggering brightness for a fixture with such a small footprint, but also a perfect color mix with a completely even field with no hotspots or artifacts. Because of its ultra-wide zoom range, accurate color reproduction, precise color temperature control, flicker-free operation with a high CRI index, continuous panning, and low power consumption, the G-4 Wash is one of the most revolutionary luminaires ever made for stages, theatres, and TV studios.

## Features and benefits

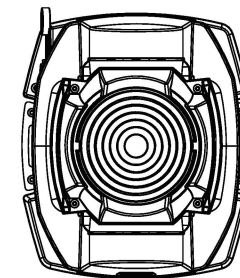
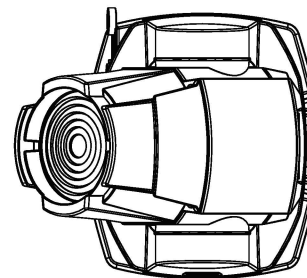
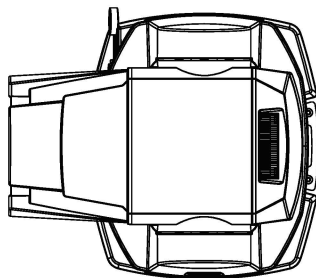
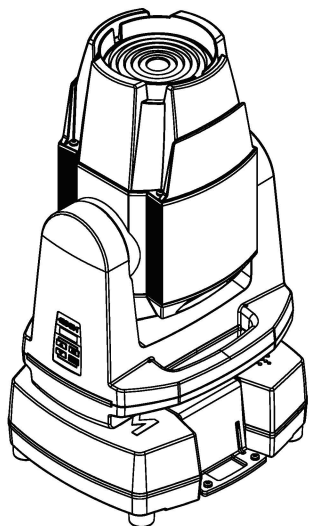
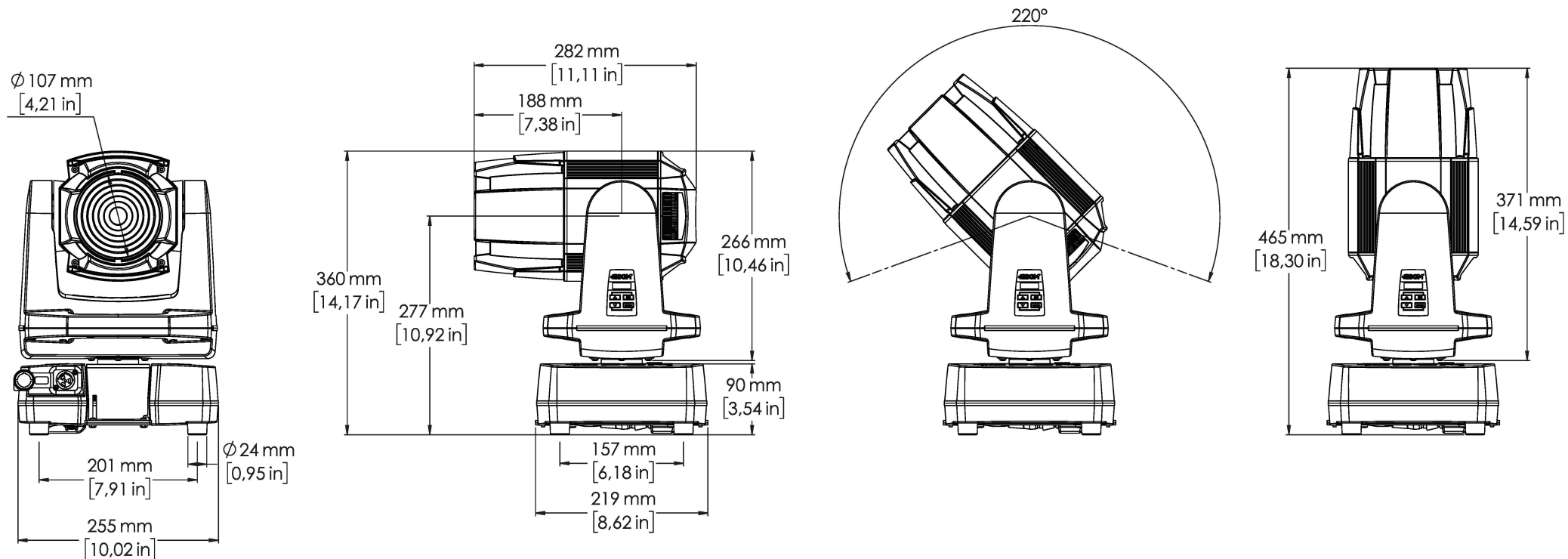
- ✓ High-power IP65 LED Fresnel Wash moving head
- ✓ Best-in-class color rendering index: TLCI > 90, CRI > 92, CQS > 91, Rf > 89
- ✓ 2000K - 10000K CTC linear control with optimized color rendering
- ✓ Flicker-free / programmable scenes / continuous pan movement
- ✓ Superb color mixing based on Red, Green, Blue, Amber, and Mint LEDs
- ✓ Accurate zoom range from 9° beam angle to 76° field angle
- ✓ DMX, RDM, and wireless control
- ✓ Silent performance; no internal cleaning needed

## Certifications & classifications

IP65

RoHS

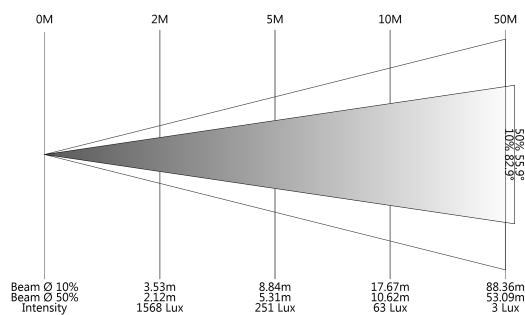




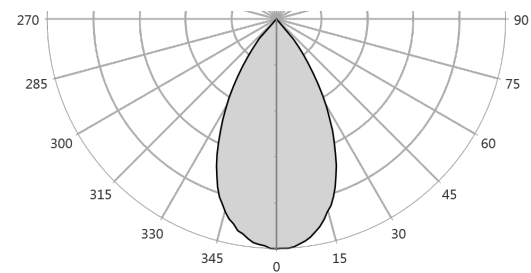
Manufacturer	SGM
Luminaire	G-4 Wash max All on raw peak
Measurement Date	24-09-2017
Power Consumption	197 W
Light Output	5 244 lm
Field Angle	82.9 deg
Beam Angle	55.9 deg
CRI	90
Color Temperature	6 359 K



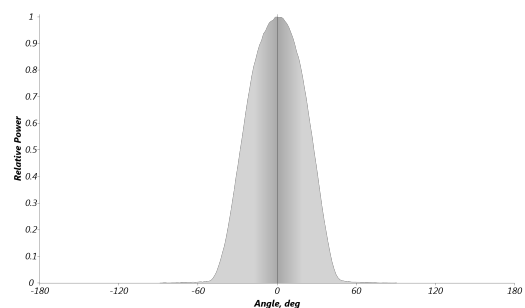
## Lux Diagram



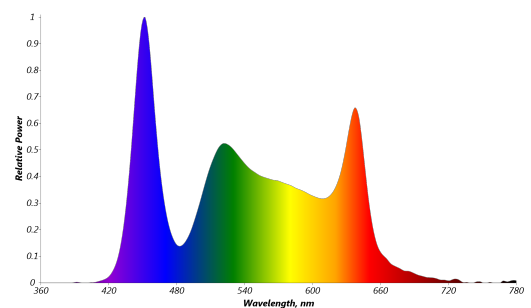
## Polar Distribution



## Beam Profile



## Spectral Distribution



## Specification

<b>Optical Data</b>	Fresnel lens diameter	112 mm
	LED expected lifetime	50,000 hours
	Lightsource	5 color 150 W
	Zoom	Motorized
	Zoom range	9° to 76°
<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	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 °
<b>Physical</b>	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	IP class	IP65
	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)
<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
	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)

	Power	IP65 XLR 5-pin connector, Male 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, Std, WH, Ceiling mount	80101102
<input type="checkbox"/>	G-4 Wash, Std, CU	80101201
<input type="checkbox"/>	G-4 Wash, Std, CU, Ceiling mount	80101202
<input type="checkbox"/>	G-4 Wash, Std, BL	80101001
<input type="checkbox"/>	G-4 Wash, Std, WH	80101101
<input type="checkbox"/>	G-4 Wash, Std, BL, C. mount	80101002
<input type="checkbox"/>		
	Accessories	Item number
<input type="checkbox"/>	G-4 Wash-Beam Front lens	83061410
<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"/>	G-4 / S-4 Top Hat	83061150
<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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