G·4 Wash Motorized Barndoors

Fresnel LED wash light

TruColor™

ThermalDrive™

DryTech ™

Description

The G-4 Wash Motorized Barndoors is an accurate and compact fresnel moving light, capable of outstanding color rendering and precise manipulation of beam angle. The optical system is designed to deliver a perfect color mix with a completely even field and no hotspots. Because of its controllable external barndoors, wide zoom range, qualified color reproduction, accurate color temperature control, and low power consumption, the G-4 Wash Motorized Barndoors is a must-have for stages, theatres, and TV / film studios.

Features and benefits

- High-power LED Fresnel Wash moving head with external motorized barndoors
- 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
- 4 individual DMX-controllable blades with +/- 110º rotation and 9° to 76° zoom range
- DMX, RDM, and wireless control
- Practically maintenance-free and silent performance
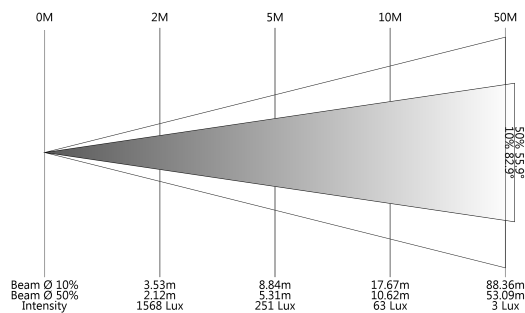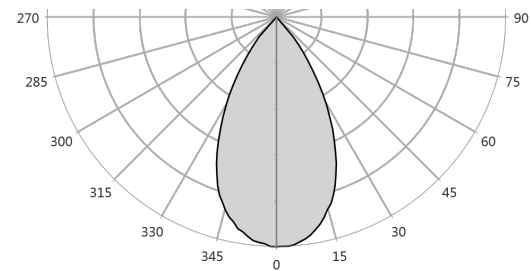
Certifications & classifications

IP65   RoHS   CE   ECO FRIENDLY   ETL us PENDING

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
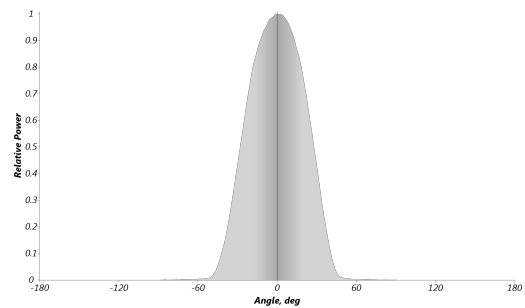
Spectral Distribution
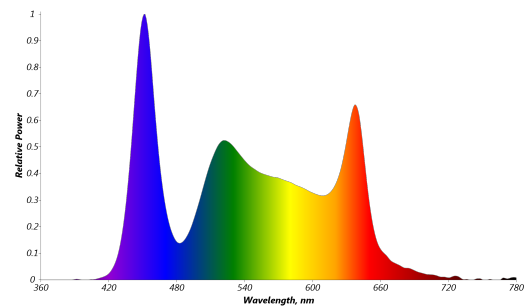
Specification

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

Color temperature range	2000K - 10000K
CQS typical	91
CRI @ 3200K	94
CRI @ 5600K	92
CRI typical	92
Efficacy	35 lm/W
Light output all LEDs on	7265 lm
Light output blue	264 lm
Light output green	1103 lm
Light output red	524 lm
Lux @ 10m	757 lux
Lux @ 3m	7720 lux
Lux @ 5m	3027 lux
Maximum Beam Angle	52 °
Maximum Field Angle	78 °
Minimum Beam Angle	9 °
Minimum Field Angle	20 °
RF typical (TM-30-15)	89
TLCI @ 3200K	87
TLCI @ 5600K	93
TLCI typical	90

Physical

Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
IP class	IP65 (Fixture), IP20 (Motorized Barndoor)
Lens material	Tempered glass front
Material	Aluminium PC/ASA Plastic Rubber Steel
Net dimensions	219 x 494 x 258 mm
Net dimensions inches	8.6 x 19.5 x 10.2 inches

	Net weight	11.9 kg (26.2 lbs)
Features	Dehumidifier	Head
	Dimming	Electronic
	Emulation mode / effect	Color Filter Emulation
	Filters	Soft diffusion external filter
	Framing	4 external controllable motorized barndoors, adjustable +/-150° Rotatable external barndoors module +/-110°
	Pan	Endless
	Pan modes	360° 360° Shortest path 540° Continues CCW Continues CW Endless
	Strobe	Ultra-high-speed strobe effects
	Tilt	220°
	Variable aperture	Optimized Beam Narrow / Optimized Beam Wide
Electrical	AC power, max.	90 - 264V 50/60Hz
	AC Power, nominal	100 - 240V 50/60Hz
	Electrical Protection	Overload protection with automatic recover
	Max Inrush Current	40 A
	Max power consumption	250 W
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	18 W
	Typical power consumption	200 W
Programming and Control	16-bit control	Dimmer, colors, pan/tilt
	Cabled DMX	5 pin XLR input/output
	DMX channels	23
	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 OLED graphical display / 4 buttons RDM ANSI E1.20
	Standalone mode	8 Internal Standalone Programs 9 Internal Pan/Tilt Presets
	Wireless DMX	Lumen Radio with RDM

Connections	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

Installation	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 combutible materials: 0.3 meter (11 in).

Thermal	Cooling	Active, Forced Air, Temperature-regulated
	Humidity (max.)	80 %
	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 m power cable 1 Omega bracket with quater-turn fasteners Soft diffusion external filter Safety instructions and installation quick guide

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
	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

Qty	Product name	Item number
☐	G-4 Wash, Std, BL w/MBD	80101701
☐		

Qty	Accessories	Item number
☐	Power cable with IP connector	07860275
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	A·4	80070217
☐	RDM Addressing Tool	
☐		

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