



# G-4 Wash Motorized Barndoors

Fresnel LED wash light



## 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 +/- 110° rotation and 9° to 76° zoom range
- ✓ DMX, RDM, and wireless control
- ✓ Practically maintenance-free and silent performance

## Certifications & classifications

IP65

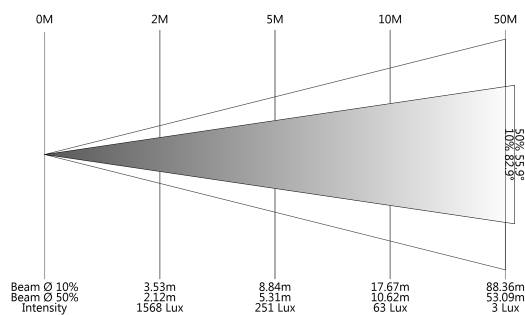
RoHS



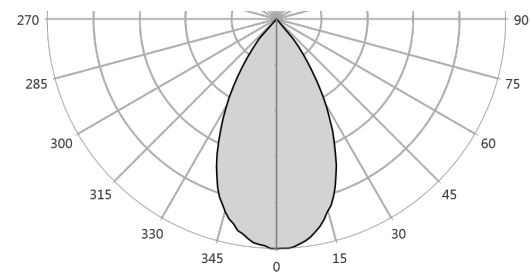
|                   |                              |
|-------------------|------------------------------|
| Manufacturer      | SGM                          |
| Luminaire         | G-4 Wash max All on raw peak |
| Measurement Date  | 24-09-2017                   |
| Power Consumption | 197 W        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



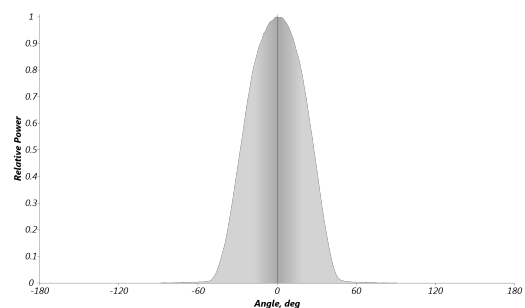
## Lux Diagram



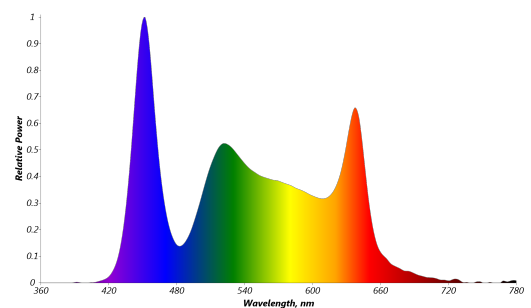
## Polar Distribution



## 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>  | 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                                                             |
| <b>Physical</b>     | Color options            | Black - RAL 9004<br>Custom color - Any RAL<br>White - RAL 9010 |
|                     | IP class                 | IP65 (Fixture), IP20 (Motorized Barndoor)                      |
|                     | Lens material            | Tempered glass front                                           |
|                     | Material                 | Aluminium<br>PC/ASA<br>Plastic<br>Rubber<br>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)                                                                                             |
| <b>Features</b>                | Dehumidifier              | Head                                                                                                           |
|                                | Dimming                   | Electronic                                                                                                     |
|                                | Emulation mode / effect   | Color Filter Emulation                                                                                         |
|                                | Filters                   | Soft diffusion external filter                                                                                 |
|                                | Framing                   | 4 external controllable motorized barndoors, adjustable +/-150°<br>Rotatable external barndoors module +/-110° |
|                                | Pan                       | Endless                                                                                                        |
|                                | Pan modes                 | 360°<br>360° Shortest path<br>540°<br>Continues CCW<br>Continues CW<br>Endless                                 |
|                                | Strobe                    | Ultra-high-speed strobe effects                                                                                |
|                                | Tilt                      | 220°                                                                                                           |
|                                | Variable aperture         | Optimized Beam Narrow / Optimized Beam Wide                                                                    |
|                                |                           |                                                                                                                |
| <b>Electrical</b>              | 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                                                                                                          |
| <b>Programming and Control</b> | 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<br>USITT DMX512A<br>RDM ANSI E1.20                           |
|                                | Setting and addressing    | Control panel<br>OLED graphical display / 4 buttons<br>RDM ANSI E1.20                                          |
|                                | Standalone mode           | 8 Internal Standalone Programs<br>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)<br>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<br>Minimum distance to combustible materials: 0.3 meter (11 in).                                                 |
| <b>Thermal</b>        | 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                                                                                                                 |
| <b>Included items</b> | Included items                         | 2 m power cable<br>1 Omega bracket with quarter-turn fasteners<br>Soft diffusion external filter<br>Safety instructions and installation quick guide |
| <b>Conforms To</b>    | CE - 2014/30/EU: EMC Directive         | EN 55103-2<br>EN 55015<br>EN 61547<br>EN 61000-3-2<br>EN 61000-3-3<br>EN 55032                                                                       |
|                       | CE - 2014/35/EU: Low Voltage Directive | EN 60598-1<br>EN 60598-2-17<br>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 |
|--------------------------|-------------------------------|-------------|
| <input type="checkbox"/> | G-4 Wash, Std, BL w/MBD       | 80101701    |
| <input type="checkbox"/> |                               |             |
|                          | Accessories                   | Item number |
| <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"/> | RDM Addressing Tool           |             |
| <input type="checkbox"/> |                               |             |



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