



# G-1 Wash

## Color LED Moving Head



### Description

The G-1 Wash moving head is the ideal companion for the G-1 Beam, and is designed for any type of outdoor event and smaller venues in need of small moving wash lights with high output, uniform colors from a distance and color calibration to match other SGM fixtures. The G-1 Wash offers high contrast levels and extreme brightness in a small physical footprint at a low power consumption. The G-1 Wash can be ordered with or without batteries, installed with a remote base, or without any base at all.

### Features and benefits

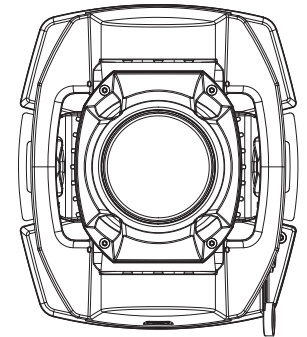
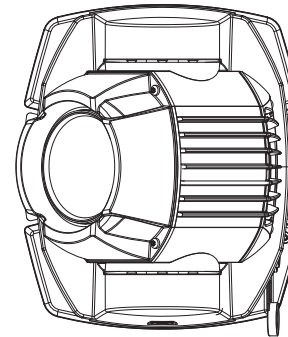
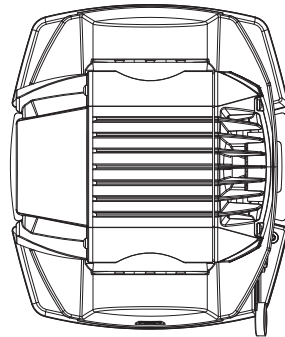
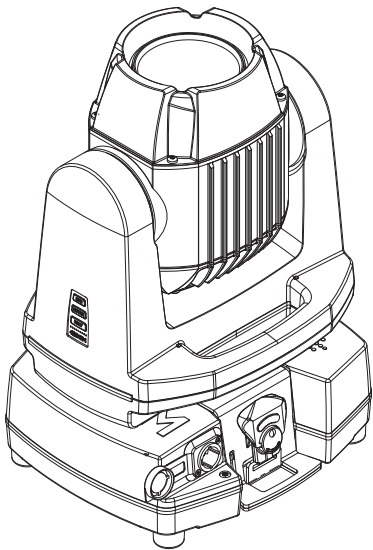
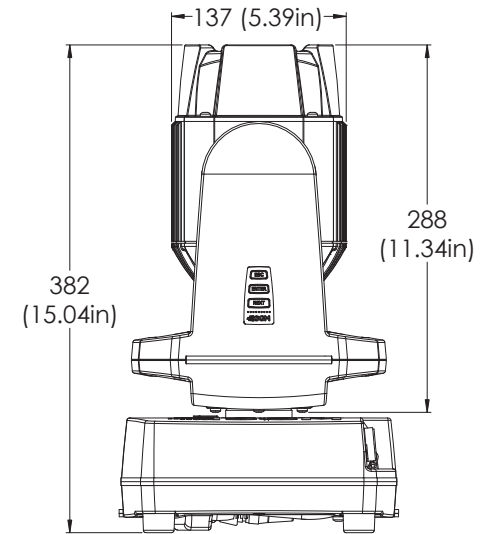
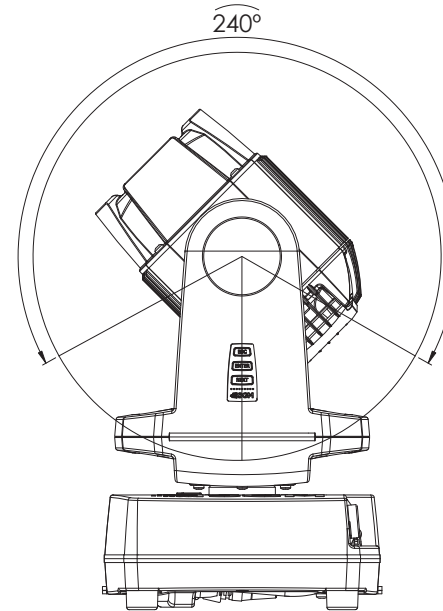
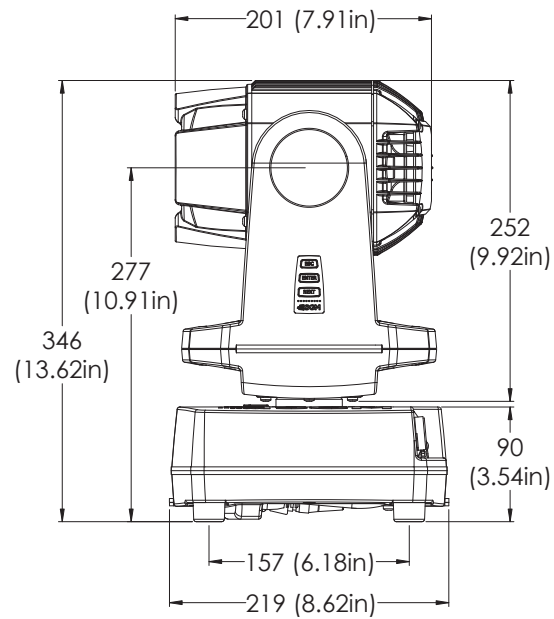
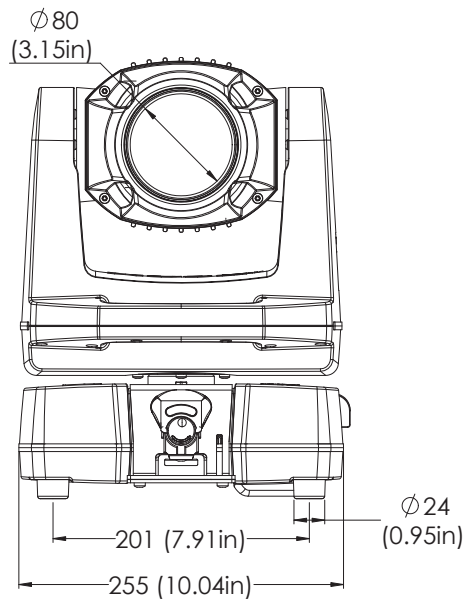
- ✓ Battery-driven IP65 color LED moving head
- ✓ Continuous pan movement, built-in macro effects
- ✓ Extremely bright with full color mixing
- ✓ Practically maintenance-free and silent performance
- ✓ 19 RGBW LEDs and a 8.5° beam angle
- ✓ DMX, RDM and 100% wireless (power and control)
- ✓ Ultra-high-speed strobe effect
- ✓ Flicker-free / Programmable scenes

### Certifications & classifications

IP65

RoHS





# Specification

|                     |                                    |                                                                                |
|---------------------|------------------------------------|--------------------------------------------------------------------------------|
| <b>Optical Data</b> | LED expected lifetime              | 50,000 hours                                                                   |
|                     | Lens                               | 8.5°                                                                           |
|                     | Lens angle                         | 8.5 °                                                                          |
|                     | Lightsources                       | 19 LEDs total, 4 Red, 4 Green, 4 Blue, 7 White (5.700K)                        |
| <b>Photometric</b>  | Beam angle(s)                      | 8° (with 8.5°)                                                                 |
|                     | Color temperature range            | 2000K - 10000K                                                                 |
|                     | Efficacy                           | 38 lm/W                                                                        |
|                     | Lux @ 10m                          | 549 lux                                                                        |
|                     | Lux @ 3m                           | 5078 lux                                                                       |
|                     | Lux @ 5m                           | 2194 lux                                                                       |
|                     | Maximum Beam Angle                 | 8 °                                                                            |
|                     | Maximum Field Angle                | 8.5 °                                                                          |
| <b>Physical</b>     | Color options                      | Black - RAL 9004<br>Custom color - Any RAL<br>White - RAL 9010                 |
|                     | IP class                           | IP65                                                                           |
|                     | Material                           | Aluminium<br>PC/ASA<br>Plastic<br>Rubber<br>Steel                              |
|                     | Net dimensions                     | 219 x 382 x 255 mm                                                             |
|                     | Net dimensions inches              | 8.6 x 15.1 x 10 inches                                                         |
|                     | Net weight                         | 8.6 kg (19 lbs)                                                                |
|                     | Net Weight Excluding Batteries     | 7.7 kg                                                                         |
|                     | Net Weight Excluding Batteries Lbs | 17                                                                             |
|                     |                                    |                                                                                |
|                     |                                    |                                                                                |
| <b>Features</b>     | Built-in macro effects             | 50 macros                                                                      |
|                     | Dimming                            | Electronic                                                                     |
|                     | 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                               | 240°                                                                           |
|                     |                                    |                                                                                |

|                                |                              |                                                                                                      |
|--------------------------------|------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Electrical</b>              | AC power, max.               | 90 - 264V 50/60Hz                                                                                    |
|                                | AC Power, nominal            | 100 - 240V 50/60Hz                                                                                   |
|                                | DC power, nominal            | 24 VDC                                                                                               |
|                                | Electrical Protection        | Overload protection with automatic recover                                                           |
|                                | Max Inrush Current 230VAC    | 35 A                                                                                                 |
|                                | Max power consumption        | 55 W                                                                                                 |
|                                | Power Supply Unit            | Auto-ranging electronic switch-mode                                                                  |
|                                | Standby power consumption    | 7 W                                                                                                  |
|                                | Typical power consumption    | 40 W                                                                                                 |
| <b>Programming and Control</b> | 16-bit control               | Dimmer, pan and tilt                                                                                 |
|                                | Cabled DMX                   | 5 pin XLR input/output                                                                               |
|                                | DMX channels                 | 13                                                                                                   |
|                                | 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<br>Standalone mode             |
|                                | 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                      | Passive                                                                                              |
|                                | Humidity (max.)              | 98 %                                                                                                 |
|                                | Temperature range, Operating | -40°C to 50°C                                                                                        |
|                                | Temperature range, Start-up  | -20°C to 50°C                                                                                        |
|                                | Temperature range, Storage   | -20°C to 25°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>Safety instructions and installation quick guide |
| <b>Battery</b>        | Battery capacity (non-stop)            | 6 - 8 hours                                                                                                        |
|                       | Battery capacity (typical use)         | 12 - 14                                                                                                            |
|                       | Battery charge time up to 100%         | 12 - 16 hours                                                                                                      |
|                       | Battery charge time up to 75%          | 8 - 12 hours                                                                                                       |
|                       | Battery Option                         | YES                                                                                                                |
|                       | Battery status                         | Battery level indicator                                                                                            |
|                       | Battery type                           | Lithium-Ion battery                                                                                                |
|                       | Memory effect                          | 85% battery capacity after 500 full charge cycles                                                                  |
| <b>Conforms To</b>    | CE - 2014/30/EU: EMC Directive         | EN 55103-1<br>EN 55103-2<br>EN 55015<br>EN 61547<br>EN 61000-3-2<br>EN 61000-3-3                                   |
|                       | CE - 2014/35/EU: Low Voltage Directive | EN 60598-1<br>EN 60598-2-17<br>EN 62471<br>EN 60529                                                                |
|                       | RoHS2 Directive                        | 2011/65/EU                                                                                                         |
|                       | UL                                     | UL Std. 1573                                                                                                       |

#### 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-1 Wash, Std, BL, (incl. 3 pcs Batt)               | 80100303           |
| <input type="checkbox"/> | G-1 Wash, Std, BL, (excl. Batt)                     | 80100301           |
| <input type="checkbox"/> | G-1 Wash, Std, WH, (excl. Batt)                     | 80100311           |
| <input type="checkbox"/> | G-1 Wash, Std, BL, Ceiling mount                    | 80100307           |
| <input type="checkbox"/> | G-1 Wash, Std, WH, Ceiling mount                    | 80100317           |
| <input type="checkbox"/> | G-1 Wash, Std, WH, (incl. 3 pcs. Batt)              | 80100313           |
| <input type="checkbox"/> |                                                     |                    |
|                          | <b>Accessories</b>                                  | <b>Item number</b> |
| <input type="checkbox"/> | Omega Bracket with 1/4-turn fasteners               | 83060602           |
| <input type="checkbox"/> | Flight Case for 4 pcs of G-1 Wash incl. charger     | 82051007           |
| <input type="checkbox"/> | Flight Case for 4 pcs G-1 Wash                      | 82051006           |
| <input type="checkbox"/> | Battery, Nominal: 21.6 V - Nominal: 3350 mAh        | 83061709           |
| <input type="checkbox"/> | Battery, Nominal: 21.6V - Nominal: 3350 mAh (2 pcs) | 83061710           |
| <input type="checkbox"/> | G-1 Battery Bracket w. screws                       | 40000002           |
| <input type="checkbox"/> | Flight Case charger cable assembly kit (4 pcs)      | 83062044           |
| <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"/> |                                                     |                    |



**SGM Light A/S**

Headquarter [+45 70 20 74 00](tel:+4570207400)

Mail [info@sgmlight.com](mailto:info@sgmlight.com)

Website [sgmlight.com](http://sgmlight.com)