# G·4 Wash Beam POI

## Micro-Fresnel LED light

## Description

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

## Features and benefits

- ✓ High-power LED Wash-Beam projector with best-in-class color rendering index

- ✓ Accurate zoom range from 4.8º beam angle to 34º field angle

- ✓ Flicker-free / programmable scenes / continuous pan movement / DMX, RDM, and wireless control

- ✓ Corrosion class C5-M (marine) makes it ideal for coastal and offshore installations

- ✓ 2000K - 10000K CTC linear control with superb color mixing based on Red, Green, Blue, Amber, and Mint LEDs

- ✓ Ideal for medium sized installations such as entrance features, signage, landscapes, cruises, and beaches

- ✓ 5-year warranty

- ✓ IP66-rated and patented built-in dehumidifier for a practically maintenance-free luminaire

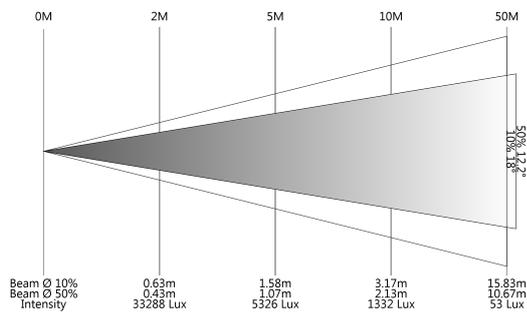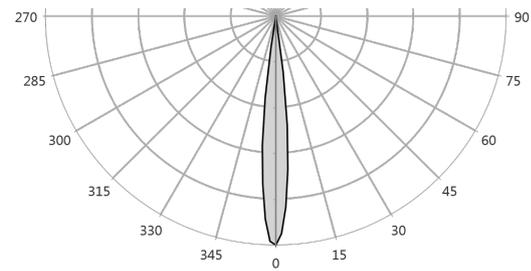## Certifications & classifications

IP66          RoHS          CE          ETL PENDING          ECO FRIENDLY

# Photometric Report

**SGM**

| | |
|---|---|
| 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

| | 0M | 2M | 5M | 10M | 50M |
|---|---|---|---|---|---|
| Beam Ø 10% | | 0.63m | 1.58m | 3.17m | 15.83m |
| Beam Ø 50% | | 0.43m | 1.07m | 2.13m | 10.67m |
| Intensity | | 33288 Lux | 5326 Lux | 1332 Lux | 53 Lux |

50% 12.2°
10% 18°

## Polar Distribution

## Beam Profile

Relative Power vs Angle, deg

## Spectral Distribution

Relative Power vs Wavelength, nm
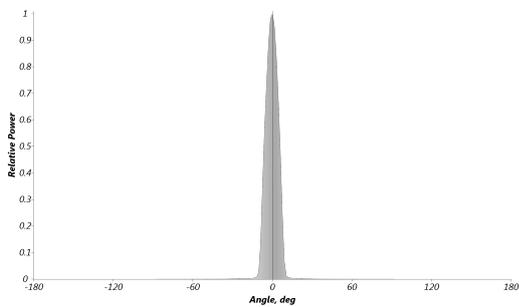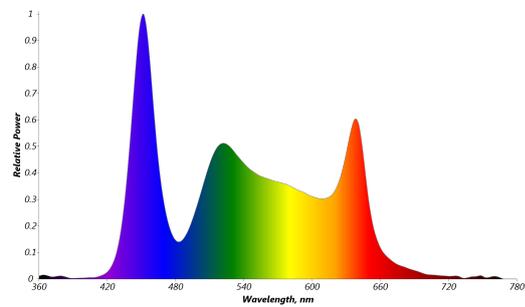
# Specification

**Optical Data**

| | |
|---|---|
| LED expected lifetime | 50,000 hours |
| Lens diameter | 136 mm |
| Lightsource | 5 color 150 W |
| Zoom | Motorized |
| Zoom range | 4.8° to 34° |

**Photometric**

| | |
|---|---|
| Color temperature range | 2000K - 10000K |
| CQS typical | 91 |
| CRI @ 3200K | 94 |
| CRI @ 5600K | 92 |
| CRI typical | 92 |
| Light output all LEDs on | 5500 lm |
| Lux @ 10m | 2047 lux |
| Lux @ 3m | 22740 lux |
| Lux @ 5m | 8190 lux |
| Maximum Beam Angle | 30 ° |
| Maximum Field Angle | 34 ° |
| Minimum Beam Angle | 4 ° |
| Minimum Field Angle | 7 ° |
| RF typical (TM-30-15) | 89 |
| TLCI @ 3200K | 94 |
| TLCI @ 5600K | 93 |
| TLCI typical | 90 |

**Physical**

| | |
|---|---|
| Color options | Black - RAL 9004<br>Custom color - Any RAL<br>White - RAL 9010 |
| Corrosion class | C5-M (ISO 12944) |
| IP class | IP66 |
| Material | Aluminium<br>PC/ASA<br>Plastic<br>Rubber<br>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) |

**Features**

| | |
|---|---|
| Dehumidifier | Head |
| Dimming | Electronic |

|  | Pan | Endless |
|---|---|---|
|  | Pan modes | 360°<br>360° Shortest path<br>540°<br>Continues CCW<br>Continues CW<br>Endless |
|  | Power / DMX indicator | Head |
|  | Strobe | Ultra-high-speed strobe effects |
|  | Tilt | 220° |

| **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 230VAC | 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 |
|---|---|---|
|  | DMX channels | 18 |
|  | DMX modes | 1 |
|  | Protocol | USITT DMX512A<br>RDM ANSI E1.20 |
|  | Setting and addressing | RDM ANSI E1.20 |

| **Connections** | DMX data in/out | 5 meter cable for DMX in and out |
|---|---|---|
|  | Power | Power cable 5 meter with bare ends |

| **Installation** | Mounting point | 2 M-10 locking points (suitable for one optional POI Omega bracket) |
|---|---|---|
|  | Orientation | Any |
|  | Rigging possibilities | Hanging / horizontal mounted or ceiling / wall mount (optional) |
|  | Safety features | 2 attachment points for safety wire<br>Minimum distance to combutible materials: 0.3 meter (11 in). |

| **Thermal** | 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 |

| **Included items** | Included items | Safety instructions and installation quick guide<br>2 M-10 screws |

**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

| Product name | Item number |
| --- | --- |
| G-4 Wash-Beam, POI, BL | 80102001 |
| G-4 Wash-Beam, POI, BL, Ceiling mount | 80102002 |
| G-4 Wash-Beam, POI, WH | 80102301 |
| G-4 Wash-Beam, POI, CU | 80102401 |

| Accessories | Item number |
| --- | --- |
| SGM USB uploader cable | 83062011 |
| Vacuum Test Kit | 83061136 |
| Omega Bracket POI | 83060623 |
| RDM Addressing Tool | |

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