



i-2 RGBW POI

RGBW LED Flood Light



Description

SGM's i-2 RGBW POI is a powerful IP66-rated outdoor LED wash and flood light with a narrow beam, suitable for any architectural application that requires high output over medium and long distances, thus, perfect to illuminate small to medium size applications such as building facades, landscapes and trees, signage, and architectural features. The i-2 RGBW POI luminaire comes with different beam angles achieved with integral holographic filters to comply with specific illumination tasks.

Features and benefits

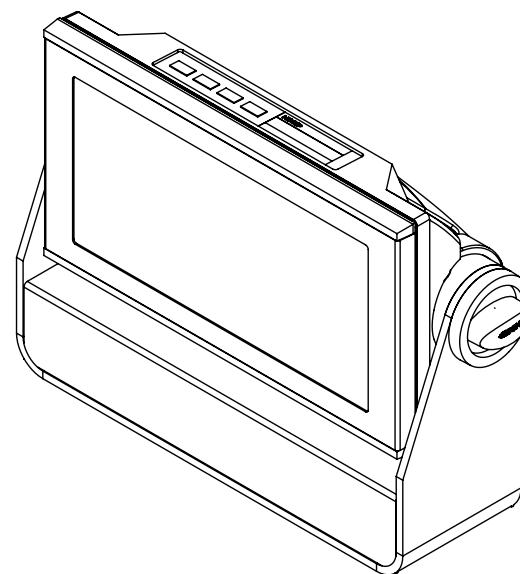
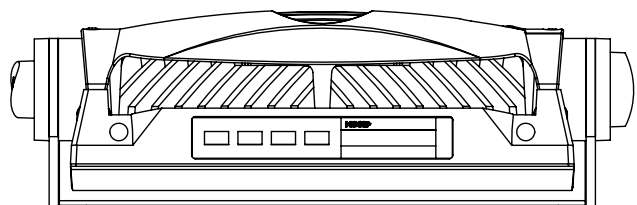
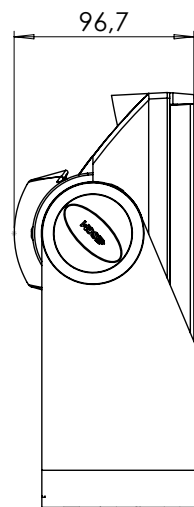
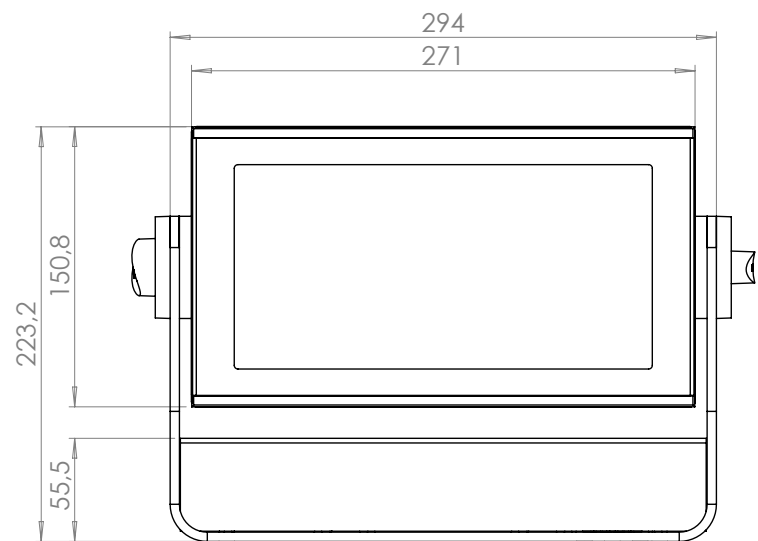
- ✓ High-performance color RGBW LED wash / flood light
- ✓ Native 8° beam angle
- ✓ Ideal application: Long-throws for building facades, landscapes and trees, signage, and architectural features
- ✓ Designed for even coverages and superior color mixing at long distances
- ✓ Flicker-free operation with 100% smooth dimming performance
- ✓ IP66-rated with a patented built-in dehumidifier for a maintenance free operation
- ✓ 5-year warranty in corrosion class C5-M (marine)
- ✓ Rugged construction in an ultra-compact design

Certifications & classifications

IP66

RoHS

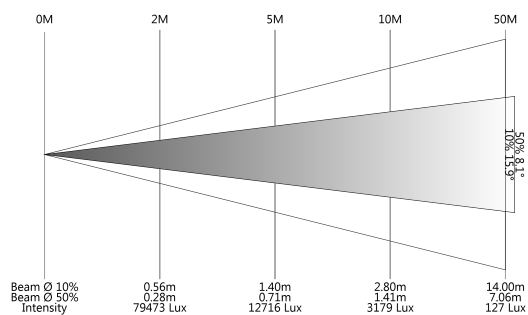




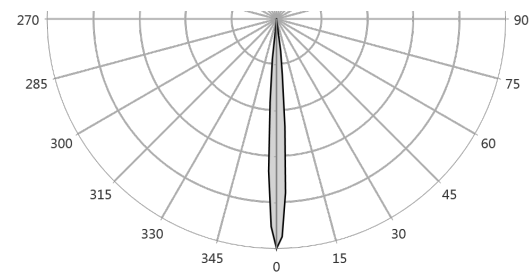
Manufacturer	SGM
Luminaire	I-2 All on raw peak
Measurement Date	29-12-2017
Power Consumption	225 W
Light Output	9 908 lm
Field Angle	15.9 deg
Beam Angle	8.1 deg
Color Temperature	7 426 K



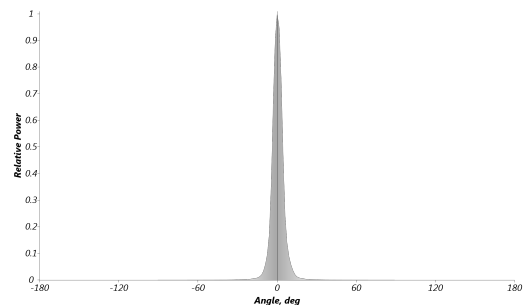
Lux Diagram



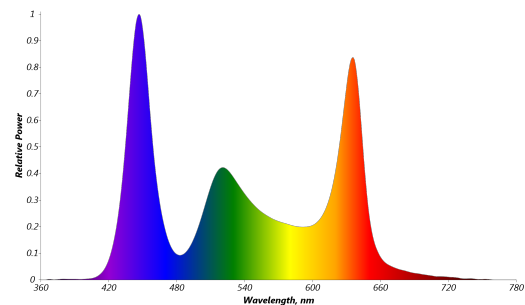
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	8.5°
	Lightsources	69 LEDs total, 18 Red, 18 Green, 9 Blue, 24 White (5,700K)
	Optional honeycomb	Internal
Photometric	Beam angle(s)	8° (with 8.5°)
	Color temperature range	2000K - 10000K
	CRI typical	80
	Efficacy	44 lm/W
	Light output all LEDs on	9908 lm
	Light output blue	250 lm
	Light output green	2553 lm
	Light output red	1565 lm
	Lux @ 10m	3179 lux
	Lux @ 3m	35321 lux
	Lux @ 5m	12716 lux
	Maximum Field Angle	17 °
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Corrosion class	C5-M (ISO 12944)
	IP class	IP66
	Lens material	PE and tempered glass front
	Material	Aluminium
	Net dimensions	334 x 223 x 105 mm
	Net dimensions inches	13.2 x 8.8 x 4.1 inches
	Net weight	6.1 kg (13.5 lbs)
Features	Dehumidifier	Head
	Dimming	Electronic
	Filters	18° 40° 60°x10° (elliptical)
	Power / DMX indicator	Head
	Strobe	Ultra-high-speed strobe effects
	Tilt	0 - 190°
	Tilt Locking System	POI Locking system with pignose bolts and angle indicator

Electrical	AC power, max.	90 - 305V 50/60Hz
	AC Power, nominal	100 - 277V 50/60Hz
	Electrical Protection	Overload protection with automatic recover
	Max Inrush Current	75 A
	Max power consumption	230 W
	Power factor	0.98 PF (230 V) PF (230V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	5 W
Programming and Control	Typical power consumption	100 W
	16-bit control	Dimmer, Red, Green, Blue
	DMX channels	3, 4, 6, 8, 9 or 10
	DMX modes	8
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A Wireless RDM RDM ANSI E1.20
	Setting and addressing	RDM ANSI E1.20
	Wireless DMX	Lumen Radio with RDM
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
	Safety features	Bottom mount for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).
Thermal	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	POI Pignose-lock Key with magnet Safety instructions and installation quick guide 2 M-10 screws

Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-1 EN 55103-2 EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1 EN 60598-2-17 EN 62471 EN 60529
	RoHS2 Directive UL	2011/65/EU UL Std. 1573
Certified To	CSA	CSA-E598-2-17-98, Ed: 1 CSA E60598-1, Ed: 3

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
☐	I-2 RGBW, POI, BL	80230503
☐		
	Accessories	Item number
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	Anti-glare shield, half - Small, POI, P/Q/i Series	83061161
☐	Anti-glare shield, full - Small, POI, P/Q/i Series	83061164
☐	Spanner key / Magnet for POI	19080604
☐	Honeycomb for i-2 series	36800040
☐	Mounting plate, 90° - Small, POI P/Q/i-series	83060619
☐	Mounting plate, flat - Small, POI P/Q/i-series	83060616
☐	RDM Addressing Tool	
☐		



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