



i-5 RGBW POI

RGBW LED Flood Light



Description

SGM's i-5 RGBW POI is a powerful IP66-rated outdoor LED wash and flood light with a narrow beam, suitable for any architectural application requiring high output over long distances. Therefore, this fixture is perfect for medium to large-scale applications, such as building facades and structures, bridges, and towers. The i-5 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 LED wash / flood light with 21527 lumen RGBW
- ✓ Designed for superior color mixing and even coverages at long distances
- ✓ IP66-rated with a patented built-in dehumidifier for a maintenance free operation
- ✓ Native 8° beam angle
- ✓ Ideal application: Long-throws for building facades and structures, bridges, and towers
- ✓ Flicker-free operation with 100% smooth dimming performance
- ✓ 5-year warranty in corrosion class C5-M (marine)
- ✓ Rugged construction, ultra-compact design

Certifications & classifications

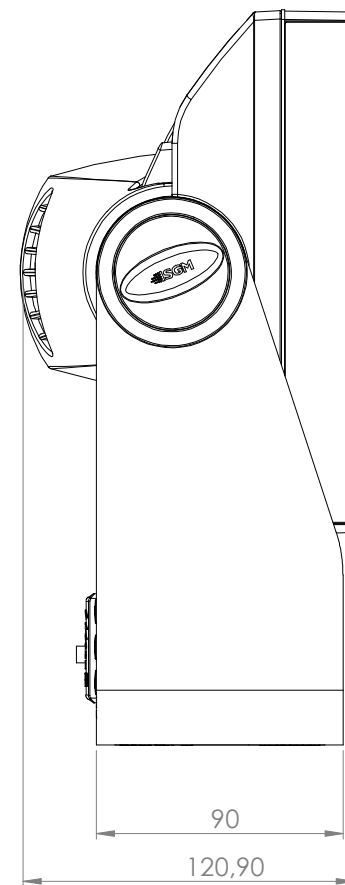
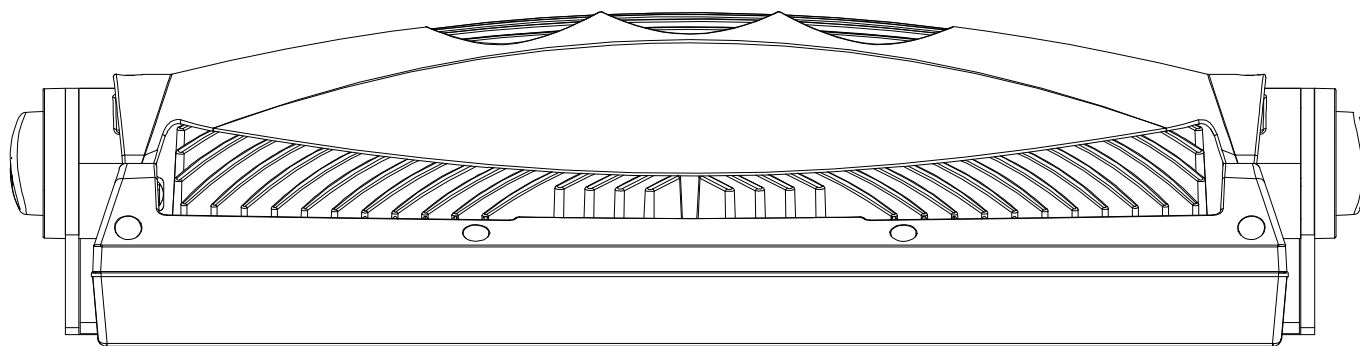
IP66

RoHS

CE

ETL

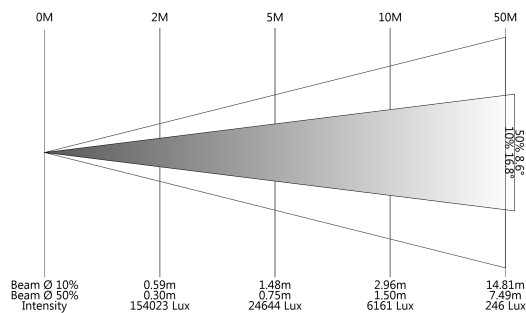
ECO Friendly



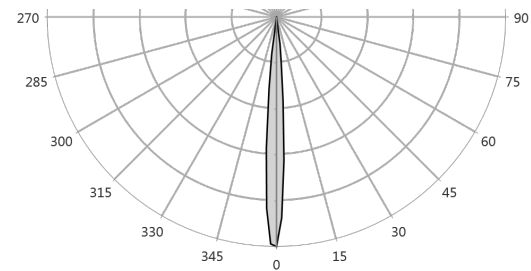
Manufacturer	SGM
Luminaire	I-5 RGBW All on raw peak
Measurement Date	06-06-2017
Power Consumption	474 W
Light Output	21 527 lm
Field Angle	16.8 deg
Beam Angle	8.6 deg



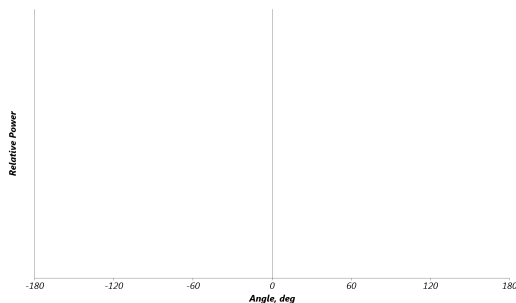
Lux Diagram



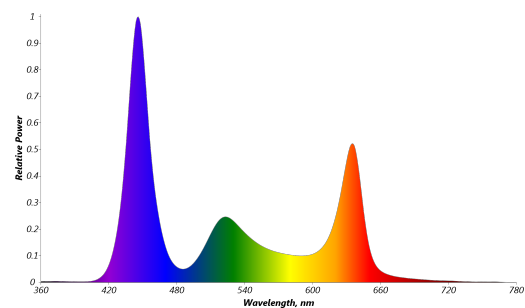
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	8.5°
	Lightsources	203 LEDs total, 48 Red, 51 Green, 48 Blue, 56 White (5,700K)
	Optional honeycomb	Internal
Photometric	Beam angle(s)	8° (with 8.5°)
	Color temperature range	2000K - 10000K
	Efficacy	49 lm/W
	Light output all LEDs on	21527 lm
	Light output blue	1173 lm
	Light output green	6493 lm
	Light output red	3845 lm
	Lux @ 10m	6161 lux
	Lux @ 3m	68454 lux
	Lux @ 5m	24644 lux
Physical	Maximum Field Angle	17 °
	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	497 x 268 x 122 mm
	Net dimensions inches	19.6 x 10.6 x 4.8 inches
	Net weight	8.9 kg (19.6 lbs)
Features	Dehumidifier	Base / Head
	Dimming	Electronic
	Power / DMX indicator	Base
	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.	190 - 264V 50/60Hz
	AC Power, nominal	208 - 240V 50/60Hz

	Electrical Protection	Overload protection
	Max Inrush Current	45 A
	Max power consumption	440 W
	Power factor	0.97 PF (230 V) PF (230V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	8 W
	Typical power consumption	240 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue
	DMX channels	3, 4, 6, 8, 9 or 10
	DMX modes	7
	Protocol	USITT DMX512A 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 x 2 M-10 locking points (suitable for one or two optional POI Omega brackets)
	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	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	POI Pignose-lock Key with magnet Safety instructions and installation quick guide 4 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	2011/65/EU
	UL	UL Std. 1573
Certified To	CSA	CSA E60598-1, Ed: 2 CSA-E598-2-17-98, Ed: 1

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-5 RGBW Wash, POI, White	80031450
☐	I-5 RGBW Wash, 8,5deg, POI, BL	80031400
☐	I-5 RGBW Wash, POI, WH, HC	80031460
☐	I-5, RGBW, 8,5deg, POI, BL, HC	80031410
☐		
Accessories		Item number
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	Anti-glare shield, half - POI, P-5/Q-7/i-5 Series	83061162
☐	Anti-glare shield, full - POI, P-5/Q-7/i5 Series	83061165
☐	Spanner key / Magnet for POI	19080604
☐	Honeycomb for i-5 series	36800043
☐	Mounting plate, flat - POI P-5, Q-7, i-5 Series	83060617
☐	Mounting plate, 90° - POI P-5, Q-7, i-5 Series	83060620
☐	RDM Addressing Tool	
☐		



SGM Light A/S

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

Mail info@sgmlight.com

Website sgmlight.com