i·5 RGBW POI

RGBW LED Wash Light

TruColor ™

ThermalDrive ™

POI
DryTech™

Description

SGM's i-5 RGBW POI is a powerful IP66-rated outdoor LED wash 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.
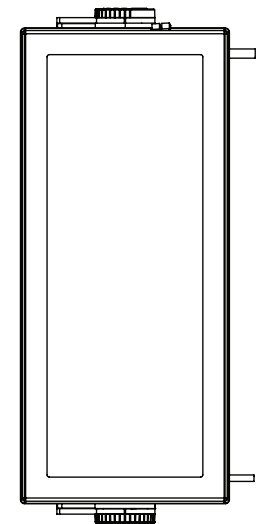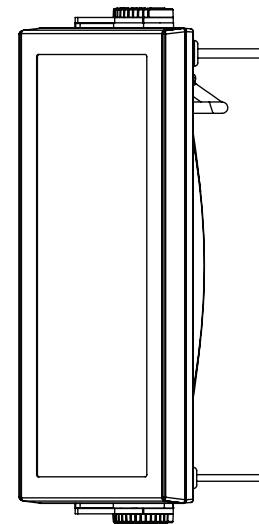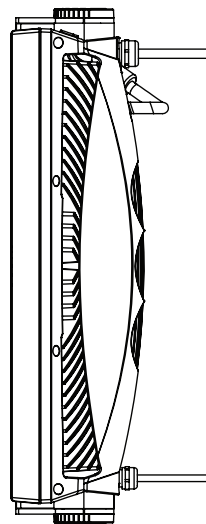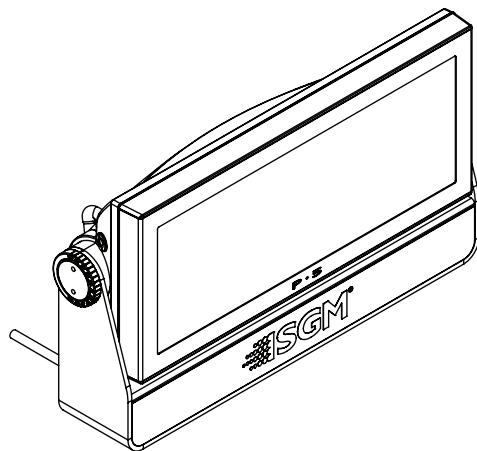
Features and benefits

- ✓ High-performance color LED wash light with 21527 lumen RGBW
- ✓ Native 8º beam angle
- ✓ Ideal application: Long-throws for building facades and structures, bridges, and towers
- ✓ Designed for superior color mixing and even coverages 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, ultra-compact design

Certifications & classifications

IP66   RoHS   C E   ETL   ECO FRIENDLY

437mm
[17,20in]

388mm
[15,28in]

143mm
[5,63in]

192mm
[7,55in]

65mm
[2,54in]

456mm
[17,95in]

122mm
[4,81in]

268mm
[10,57in]

173mm
[6,79in]

90mm
[3,54in]

190°

113mm
[4,43in]

239mm
[9,42in]

Photometric Report

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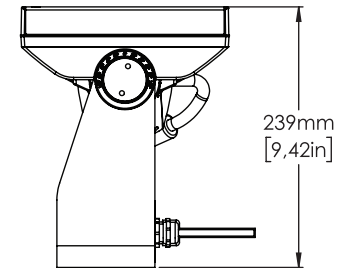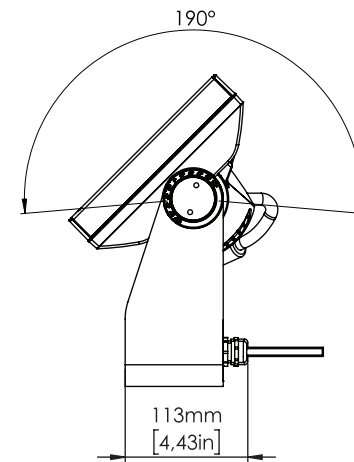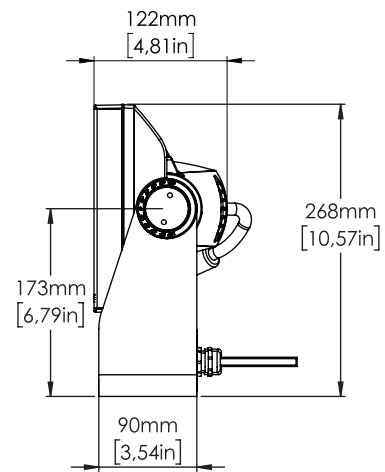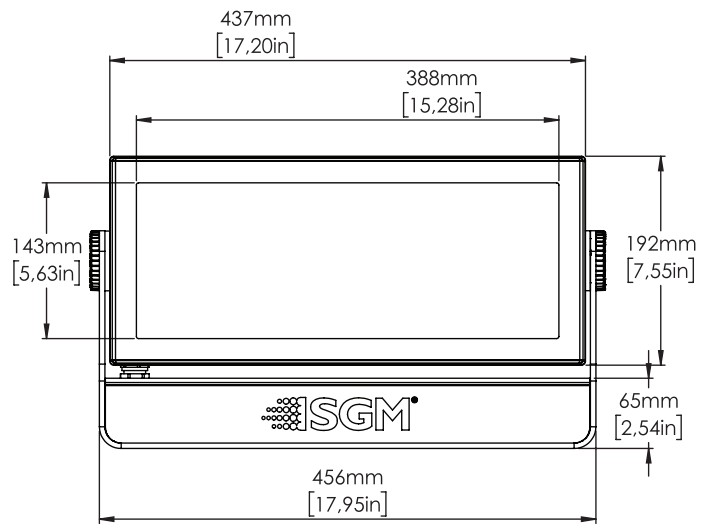
Manufacturer	SGM
Luminaire	I-5 RGBW All on raw peak
Measurement Date	06-06-2017
Power Consumption	474 W
Light Output	21 527 lm
Field Angle	16.8 deg
Beam Angle	8.6 deg

Lux Diagram

	0M	2M	5M	10M	50M
Beam Ø 10%		0.59m	1.48m	2.96m	14.81m
Beam Ø 50%		0.30m	0.75m	1.50m	7.49m
Intensity		154023 Lux	24644 Lux	6161 Lux	246 Lux

50% 8.6°
10% 16.8°
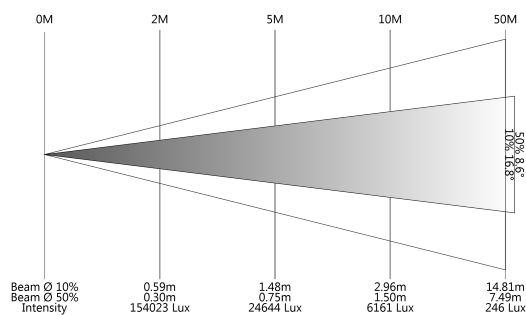
Polar Distribution
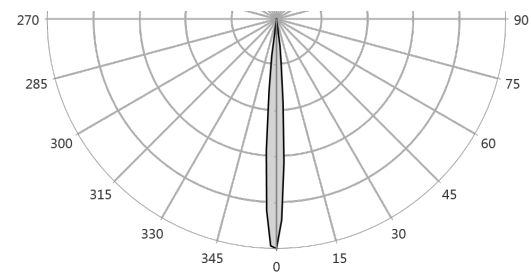
Beam Profile
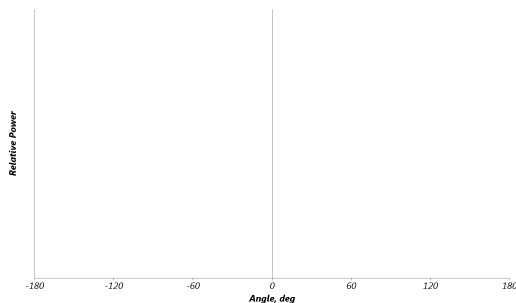
Spectral Distribution
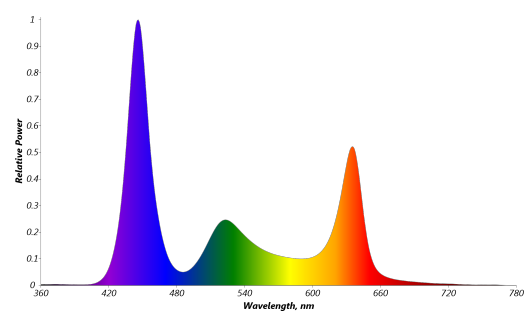
Specification

Optical Data

LED expected lifetime	50,000 hours
Lightsource	203 LEDs total, 48 Red, 51 Green, 48 Blue, 56 White (5,700K)
Native lens options	8.5°
Optional filters	Medium, I-2/I-5, diffusion in, internal (17° angle) Wide, I-2/I-5, diffusion in, internal (42° angle) Wide, I-2/I-5, diffusion out, internal (31° angle) Elliptical horizontal, I/P, internal (10° x 60° angle) Elliptical vertical, I/P, internal (60° x 10° angle)
Optional honeycomb	Internal

Photometric

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
Lumen per kilogram	2419 lm / Kg
Lux @ 10m	6161 lux
Lux @ 3m	68454 lux
Lux @ 5m	24644 lux
Native beam angle(s)	8° (with 8.5° lens)
Native field angle(s)	17°

Physical

Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
Corrosion class	CX (C5-M - ISO 12944)
Effective Projected Area	1.72 Square ft
IP class	IP66
Lens material	PE
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

Color calibration	SGM proprietary, full color calibration

	Dehumidifier	Base / Head
	Dimming	2 Smooth fade in, DMX-controllable curves: gamma corrected, and linear
	Filters	Optional internal spread angle filters (factory assembled)
	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	Electrical protection	Overload protection
	Input voltage, absolute max. rating	190 - 264 VAC; 50 / 60 Hz
	Input voltage, nominal	208 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	45 A
	Max power consumption	440 W
	Power factor	0.97 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	8 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White
	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	Data cable diameter	6,5 mm +/- 0,2 mm
	DMX data in/out	5 meter cable for DMX In and DMX Thru (permanently wired)
	Power	Power cable 5 meter with bare ends (permanently wired)
	Power cable diameter	8,5 mm +/- 0,3 mm
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
	Total heat dissipation, max power	1501.3 BTU per hour
	Total heat dissipation, standby	27.3 BTU per hour

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, POI, WH	80250504
☐	I-5 RGBW, POI, BL, HC	80250506
☐	I-5 RGBW, POI, BL	80250503
☐	I-5 RGBW, POI, WH, HC	80250507
☐	I-5 RGBW, POI, CU, HC	80250508
☐	I-5 RGBW Wash, 8,5°, POI, CU	80250505
☐		

Qty	Accessories	Item number
☐	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/i·5 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	
☐	Omega Bracket POI	83060623
☐	SGM USB uploader cable, POI	83062067
☐	Universal Bracket	83060641
☐		

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