



P-5 POI

RGBW LED Flood Light



Description

SGM's P-5 POI is a powerful IP66-rated outdoor RGBW LED wash and flood light with a bright and accurate beam projection, suitable for any architectural application that requires high output over long distances, thus, perfect for medium to large-scale applications such as building facades and structures, bridges, and towers. The P-5 POI luminaire comes with different beam angles to comply with specific illumination tasks.

Features and benefits

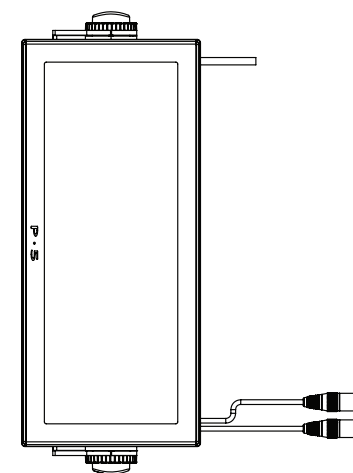
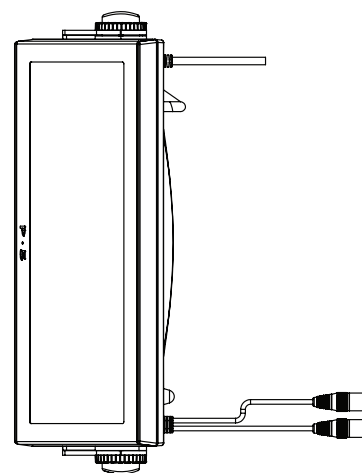
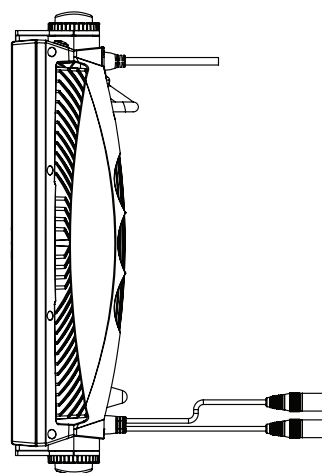
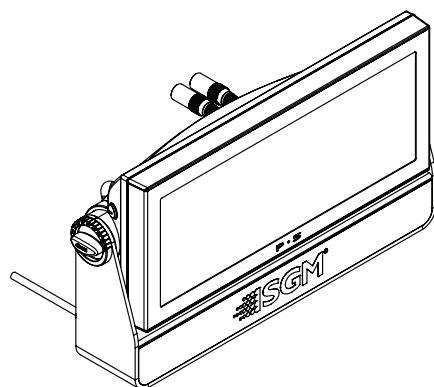
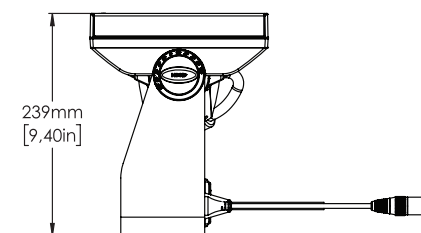
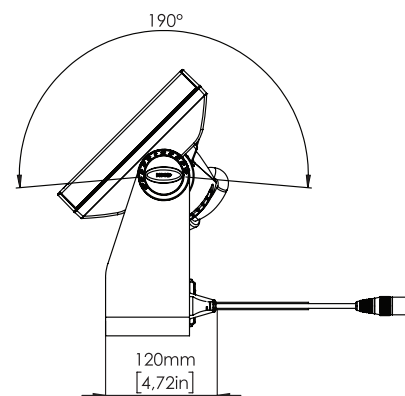
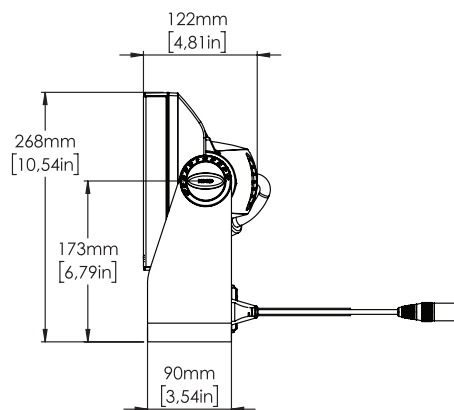
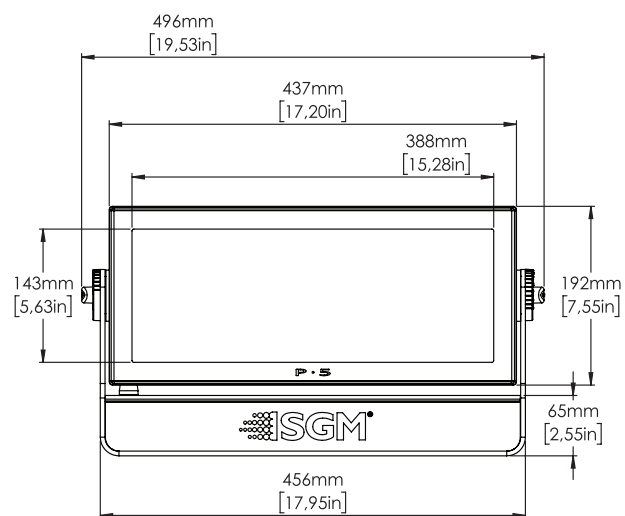
- ✓ High-performance RGBW LED wash / flood light with 20031 lumen
- ✓ Superior optical color mixing and no color shifts at short and long distances
- ✓ IP66-rated with a patented built-in dehumidifier for a maintenance free operation
- ✓ 43°, 21°, and 15° native lenses
- ✓ Ideal application: Medium throws 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 in an ultra-compact design

Certifications & classifications

IP66

RoHS

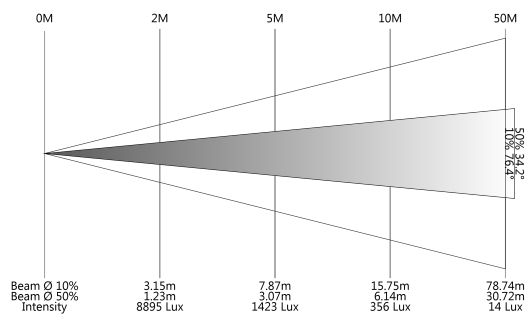




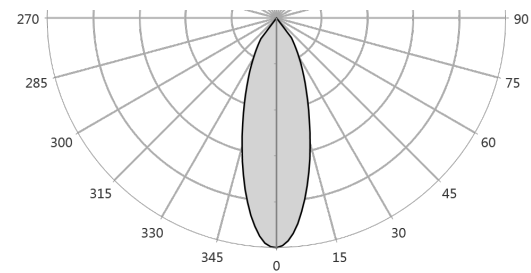
Manufacturer	SGM
Luminaire	P-5 43deg All on raw peak
Measurement Date	09-08-2017
Power Consumption	462 W
Light Output	19 104 lm
Field Angle	76.4 deg
Beam Angle	34.2 deg



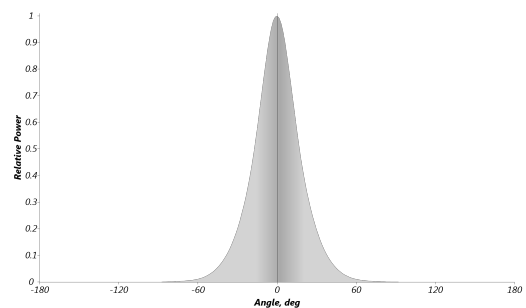
Lux Diagram



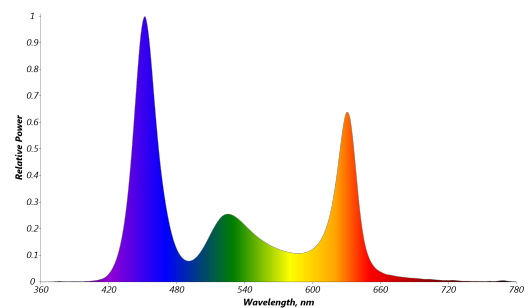
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	15° 21° 43°
	Lightsources	44 x high-power 10W RGBW LEDs
Photometric	Beam angle(s)	14° (with 15° lens) 26° (with 21° lens) 35° (with 43° lens)
	Color temperature range	2000K - 10000K
	CRI typical	86
	Efficacy	44 lm/W
	Light output all LEDs on	20031 lm
	Light output blue	1353 lm
	Light output green	5806 lm
	Light output red	4725 lm
	Lux @ 10m	1993 lux
	Lux @ 3m	22142 lux
	Lux @ 5m	7971 lux
	Maximum Field Angle	76 °
	Minimum Field Angle	30 °
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	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	450 W
	Power factor	0.99 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	8 W
	Typical power consumption	420 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	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 Std. C22.2 No. 166

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
☐	P-5 Wash, 21deg, POI, WH	80030731
☐	P-5 Wash, 43deg, POI, WH	80030730
☐	P-5 Wash, 15deg, POI, WH	80030732
☐	P-5 Wash, 43deg, POI, BL	80030700
☐	P-5 Wash, 15deg, POI, BL	80030702
☐	P-5 Wash, 43deg, POI, CU	80030770
☐	P-5 Wash, 21deg, POI, BL	80030701
☐	P-5 Wash, 21deg, POI, CU	80030771
☐	P-5 Wash 15deg, POI, CU	80030772
☐		
	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
☐	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	
☐		



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