



P-6 POI

RGBW LED Flood Light



Description

The P-6 POI combines the compact size and low power consumption of the P-5 POI with the unique optical design and ergonomics of the P-10 POI. It is a powerful IP66-rated outdoor LED wash and flood light, designed for architectural applications and entertainment installations where a high intensity is required at medium throws, thus, perfect for dynamic color changing over resort facades, cruiseship structures, or theme park attractions. The P-6 POI luminaire features 10° or 35° lenses via native individual front lenses.

Features and benefits

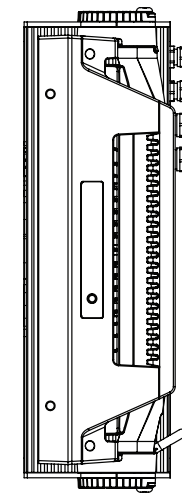
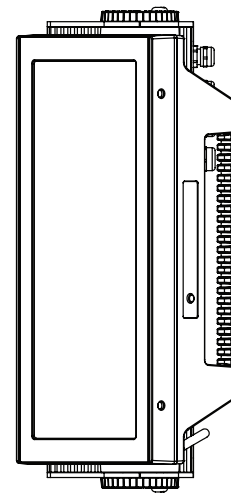
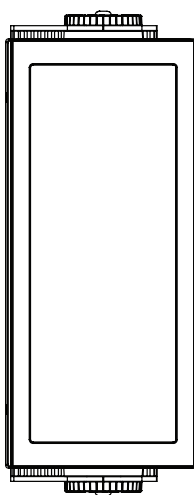
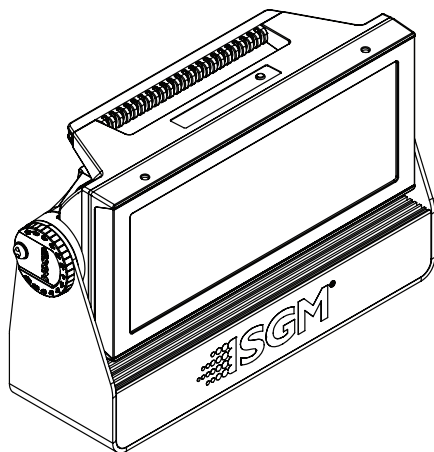
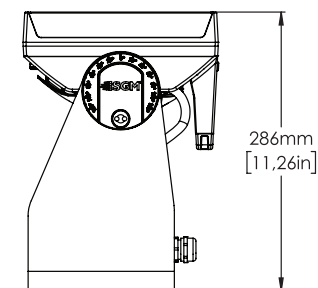
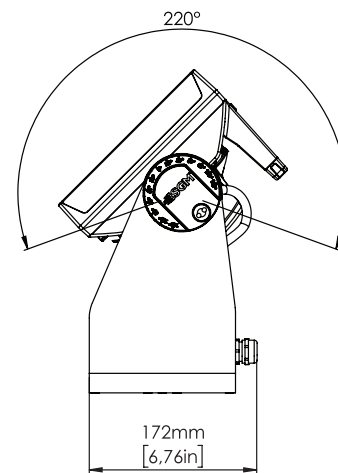
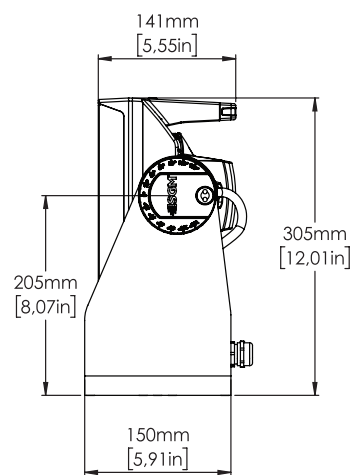
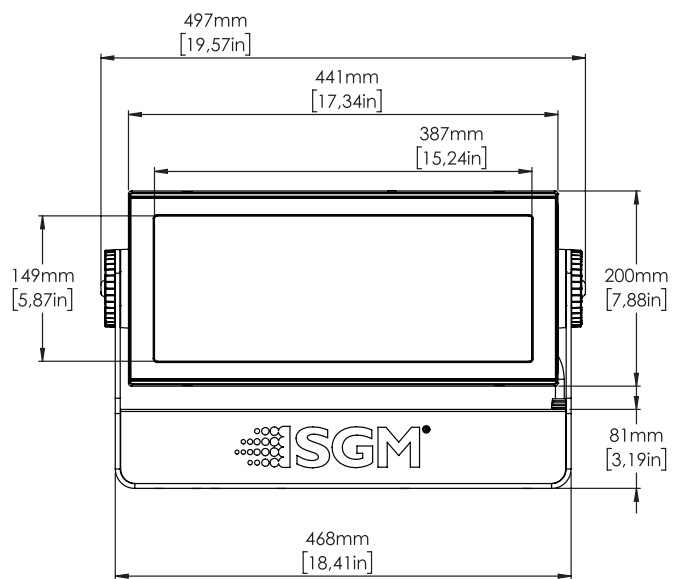
- ✓ Powerful RGBW LED wash / flood light
- ✓ Native 10° and 35° front lenses with controlled field angle
- ✓ Ideal application: Medium distances
- ✓ Compact, lightweight and maintenance-free
- ✓ Color temperature control from 2,000K to 10,000K
- ✓ Smooth dimming performance and dynamic color change
- ✓ IP66-rated with built-in dehumidifier and superior thermal management
- ✓ 5-year warranty in corrosion class C5-M (marine)

Certifications & classifications

IP66

RoHS

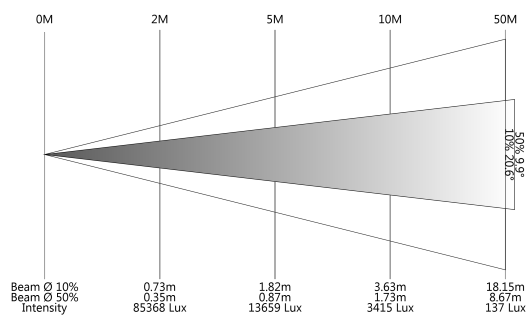




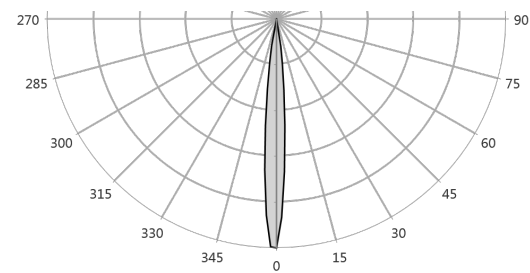
Manufacturer	SGM
Luminaire	P-6 rev3 All on raw peak
Measurement Date	23-01-2019
Power Consumption	609 W
Light Output	17 873 lm
Field Angle	20.6 deg
Beam Angle	9.9 deg



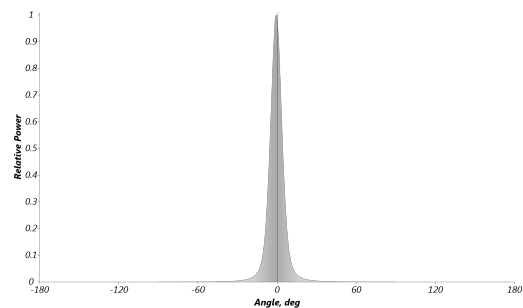
Lux Diagram



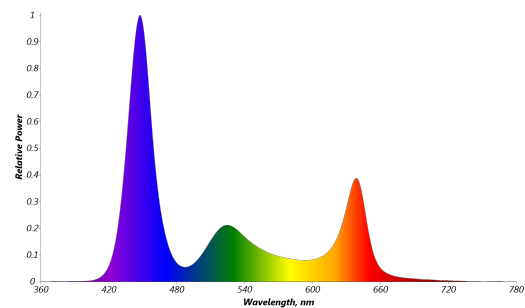
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	35° 10°
	Lightsources	24 x high-power 24W RGBW LEDs
Photometric	Beam angle(s)	11° (with 10° lens) 33° (with 35° lens)
	Color temperature range	2000K - 10000K
	Efficacy	37 lm/W
	Light output all LEDs on	18296 lm
	Light output blue	1469 lm
	Light output green	6369 lm
	Light output red	3965 lm
	Lumen per kilogram	1262 lm / Kg
	Lux @ 10m	3546 lux
	Lux @ 3m	39400 lux
	Lux @ 5m	14183 lux
	Minimum Field Angle	21.8 °
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Corrosion class	C5-M (ISO 12944)
	IP class	IP66
	Lens material	Tempered glass front
	Material	Aluminium PC/ASA Rubber Steel
	Net dimensions	497 x 320 x 172 mm
	Net dimensions inches	19.6 x 12.6 x 6.8 inches
	Net weight	14.5 kg (32 lbs)
Features	Dehumidifier	Head
	Dimming	Electronic
	Emulation mode / effect	Color Filter Emulation
	Filters	Magnetic easy-fit spread angle filters and color frame
	LED panel	6 individually controllable segments
	Strobe	Ultra-high-speed strobe effects
	Tilt	220°

	Tilt Locking System	POI Locking system with pignose bolts and angle indicator
Electrical	AC power, max.	100 - 305V 50/60Hz
	AC Power, nominal	115 - 277V 50/60Hz
	Electrical Protection	Overload protection with automatic recover
	Max Inrush Current	70 A
	Max power consumption	630 W
	Max power thru @ 100 V	13 A
	Max power thru @ 230 V	13 A
	Power factor	0.96 PF (230 V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	10 W
	Typical power consumption	450 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue
	Cabled DMX	5 pin XLR input/output
	DMX channels	4, 6, 8, 9, 10, 18, 21, 24, 26, 27, 40
	DMX modes	13
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20
	Setting and addressing	RDM ANSI E1.20
	Standalone mode	3 programs with up to 24 scenes
	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	3 x 2 M-10 locking points (suitable for two or three optional POI Omega brackets)
	Orientation	Any
	Rigging possibilities	Hanging / horizontal mounted or ceiling / wall mount (optional)
	Safety features	Bottom mount for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).
Thermal	Cooling	Active, Forced Air, Temperature-regulated
		Passive

	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 6 M-10 screws
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-2 EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 EN 55032
	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-6, 35°, POI, BL	80251806
☐	P-6, POI, BL	80251800
☐	P-6, POI, WH	80251801
☐		
Accessories		Item number
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	Spanner key / Magnet for POI	19080604
☐	RDM Addressing Tool	
☐	Mounting plate, 90° - Medium, POI, P-6	83060631
☐	Mounting plate, flat - Medium, POI, P-6	83060632
☐		



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