



P-2 POI

RGBW LED Flood Light



Description

The P-2 POI is a bright and powerful IP66-rated outdoor LED wash and flood light, ideally suited for small to medium size applications such as building facades, landscapes and trees, signage, and architectural features. The P-2 POI comes with different beam angles to comply with specific illumination tasks. It offers key features such as color calibration, seamless beam projection, and low power consumption. The P-2 POI luminaire comes with different beam angles to comply with specific illumination tasks.

Features and benefits

- ✓ High-performance color LED wash / flood light
- ✓ Ideal application: building facades, landscape and trees, signage, and architectural features
- ✓ Superior optical color mixing and no color shifts
- ✓ 5-year warranty in corrosion class C5-M (marine)
- ✓ 43°, 21° and 15° native lenses
- ✓ Rugged and ultra-compact construction in only 6.1kg (13.5 lbs.) / Low power consumption (170W)
- ✓ Flicker-free operation with 100% smooth dimming performance
- ✓ IP66-rated with a patented built-in dehumidifier for a maintenance free operation

Certifications & classifications

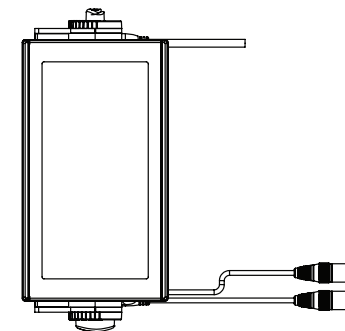
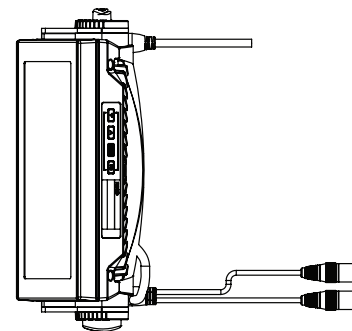
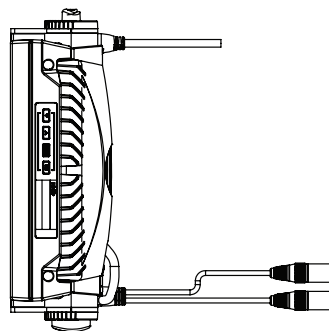
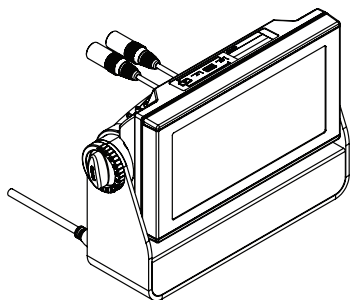
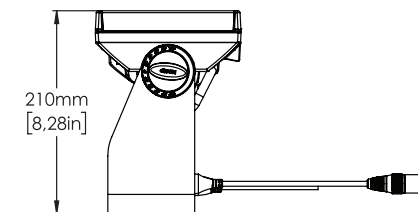
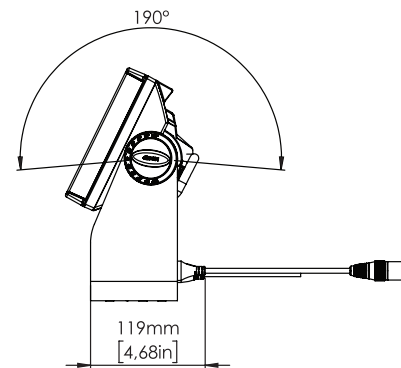
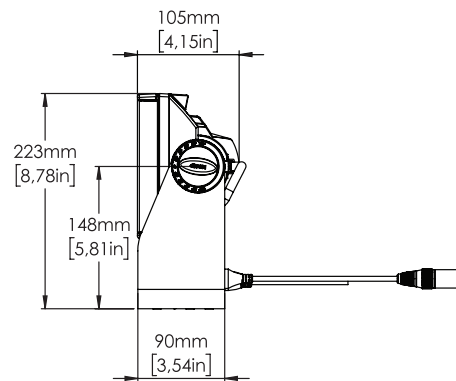
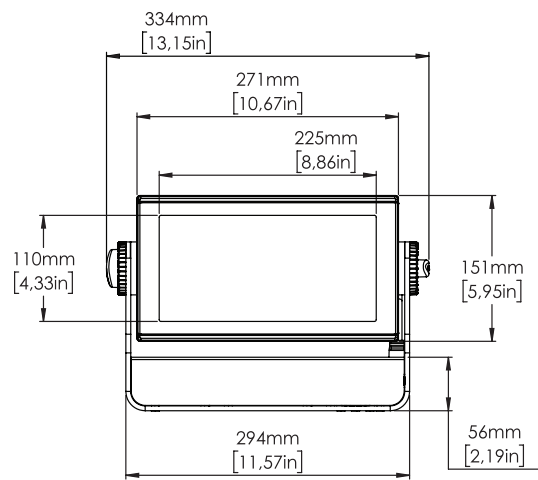
IP66

RoHS

CE

ETL US

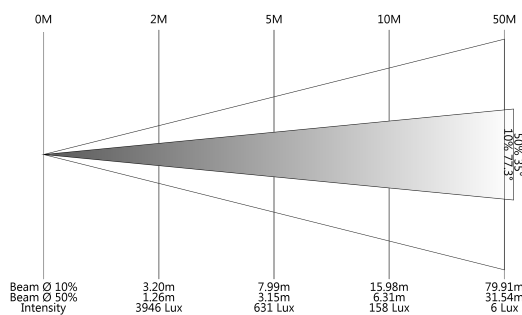
ECO
TECHNOLOGY



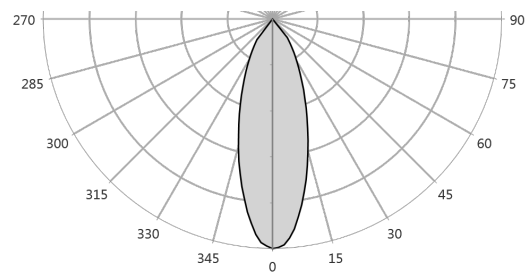
Manufacturer	SGM
Luminaire	P-2 43deg All on raw peak
Measurement Date	01-08-2017
Power Consumption	236 W
Light Output	8 727 lm
Field Angle	77.3 deg
Beam Angle	35.0 deg



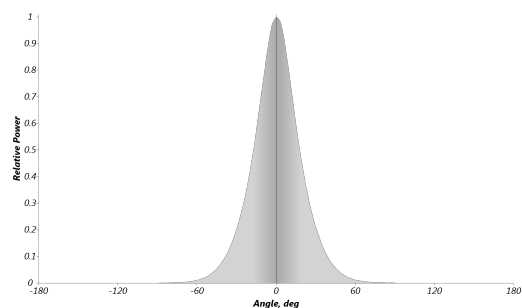
Lux Diagram



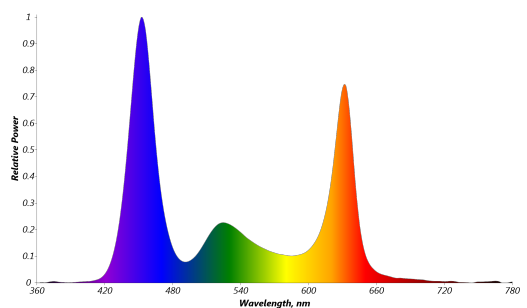
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	15° 21° 43°
	Lightsources	18 x high-power 10W RGBW LEDs
Photometric	Beam angle(s)	14° (with 15° lens) 26° (with 21° lens) 36° (with 43° lens)
	Color temperature range	2000K - 10000K
	CRI typical	87
	Efficacy	37 lm/W
	Light output all LEDs on	8727 lm
	Light output blue	715 lm
	Light output green	2709 lm
	Light output red	2526 lm
	Lux @ 10m	853 lux
	Lux @ 3m	9478 lux
	Lux @ 5m	3412 lux
	Maximum Field Angle	78 °
	Minimum Field Angle	31 °
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
	LED panel	3 individually controllable segments
	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 230VAC	75 A
	Max power consumption	200 W
	Power factor	0.97 PF (230 V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	5 W
	Typical power consumption	170 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue
	DMX channels	3, 6, 9, 12, 15 or 22
	DMX modes	10
	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	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 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	2011/65/EU
	UL	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
☐	P-2, 43°, POI, BL	80230103
☐	P-2, 21°, POI, BL	80230203
☐	P-2, 15°, POI, BL	80230303
☐	P-2, 43°, POI, WH	80230104
☐	P-2, 43°, POI, CU	80230105
☐	P-2, 21°, POI, WH	80230204
☐	P-2, 21°, POI, CU	80230205
☐	P-2, 15°, POI, WH	80230304
☐	P-2, 15°, POI, CU	80230305
☐		
	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
☐	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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