SGM®

i·5 White POI

White LED Wash Light

Description

SGM's i-5 White POI is a powerful IP66-rated outdoor LED wash light with a narrow beam, 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 i-5 White POI luminaire comes with different beam angles achieved with integral holographic filters to comply with specific illumination tasks.

Features and benefits

✓ High-performance 5700KK White LED wash light

✓ Ideal application: Long-throws for building facades and structures, bridges, and towers

✓ IP66-rated with a patented built-in dehumidifier for a maintenance free operation

✓ Native 8º beam angle

✓ Designed for White-only output

✓ Flicker-free operation with 100% smooth dimming performance

✓ 5-year warranty in corrosion class C5-M (marine)
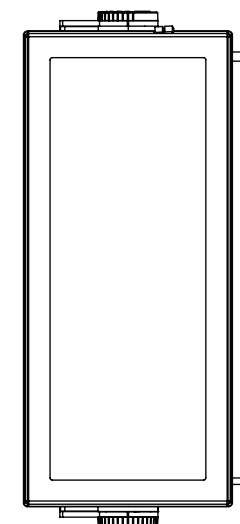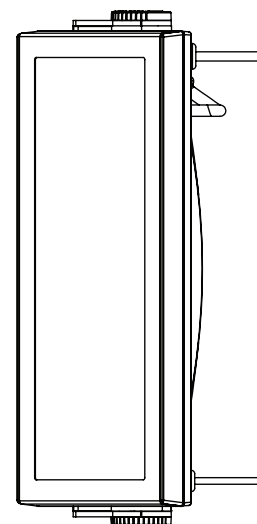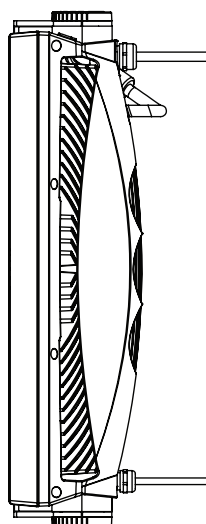
✓ Rugged construction in an ultra-compact design

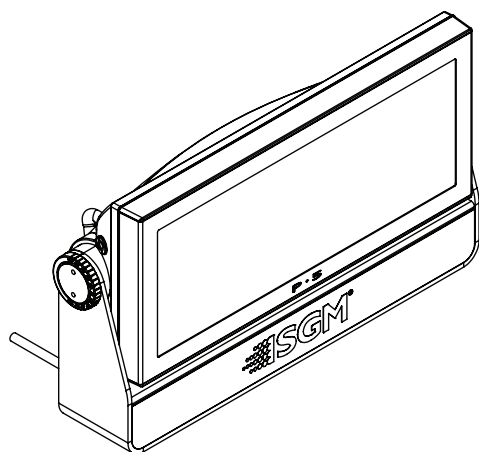## Certifications & classifications

IP66   RoHS   CE   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]

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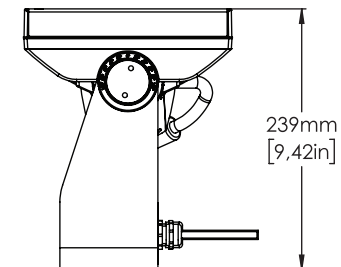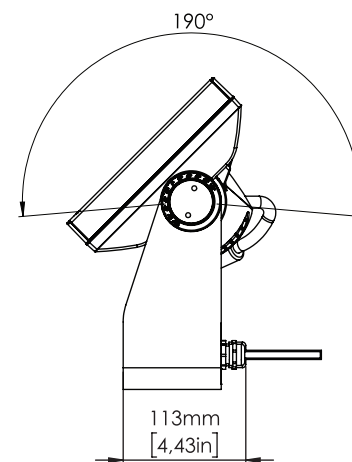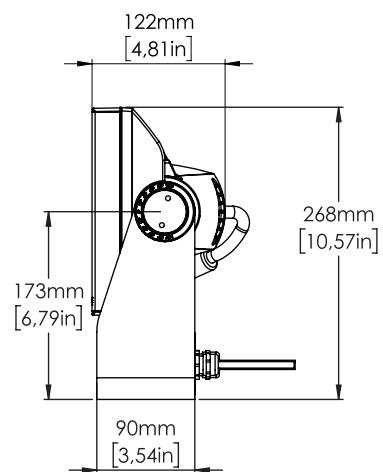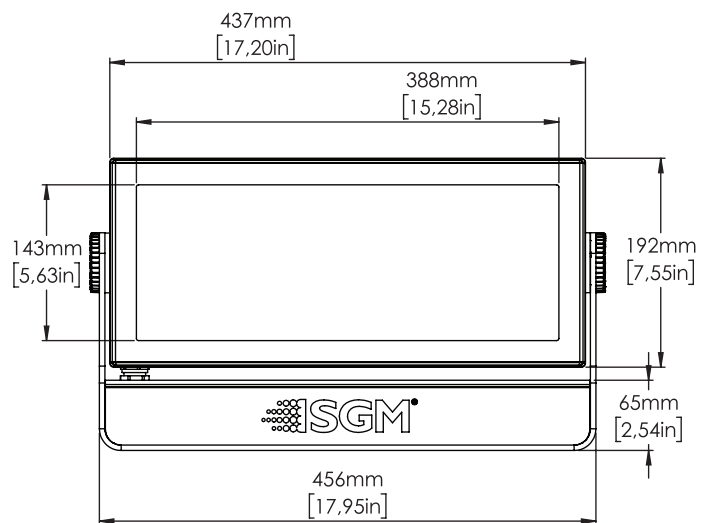
Specification

Optical Data

LED expected lifetime	50,000 hours
Lightsource	203 x White LEDs (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	5700K
Efficacy	77 lm/W
Light output all LEDs on	40155 lm
Lumen per kilogram	4512 lm / Kg
Lux @ 10m	12095 lux
Lux @ 3m	112250 lux
Lux @ 5m	48380 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	Single-unit color
Dehumidifier	Base / Head
Dimming	Smooth fade in, gamma corrected curve

	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	10 W

Programming and Control	16-bit control	Dimmer
	DMX channels	1, 2 or 4
	DMX modes	4
	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	34.1 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 White, POI, BL, HC	80250606
☐	I-5 White, POI, BL	80250603
☐	I-5 White, POI, WH	80250604
☐	I-5 White, POI, CU	80250605
☐	I-5 White, POI, WH, HC	80250607
☐	I-5 White, POI, CU, HC	80250608
☐		

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
☐		

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