![SGM logo]

Q·7 W POI

White LED Wash Light

![Q·7 W POI fixture]

Description

SGM's Q-7 W POI is a powerful IP66-rated white output LED wash light with a wide beam and a symmetric and even light projection, suitable for any outdoor architectural application requiring a spacious area of light for short-throw purposes. Therefore, this fixture is perfect for medium to large-scale applications, such as building facades and structures, bridges, and towers. When used as a flood light over surfaces, the Q-7 W POI offers a bright beam range not only in horizontal but also in vertical coverage.
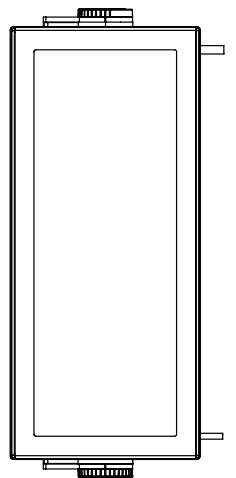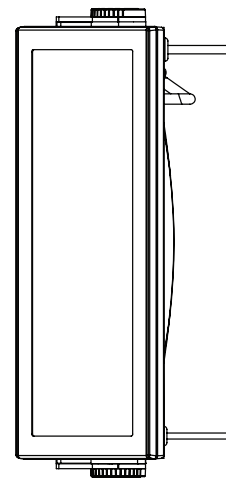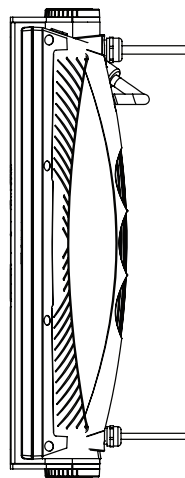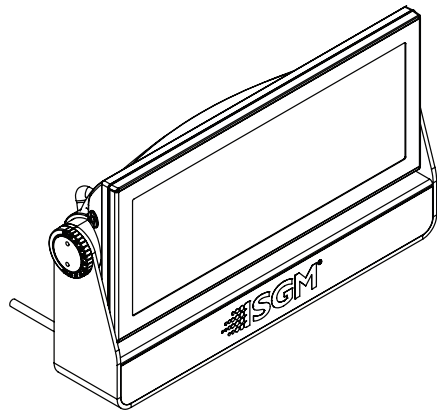
Features and benefits
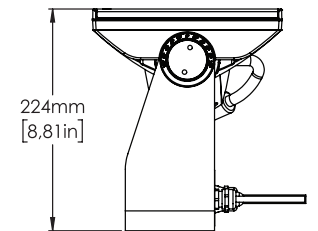
✓ High-performance white LED wash light

✓ Ideal application: Short to medium-throws for building facades and structures, bridges, and towers

✓ Rugged construction in an ultra-compact design

✓ Flicker-free operation with 100% smooth dimming performance

✓ 110º wide-angle coverage

✓ 5700K and 99 lm/W

✓ 5-year warranty in corrosion class C5-M (marine)

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

Certifications & classifications

IP66   RoHS   CE   ETL c US   ECO FRIENDLY

473mm
[18,62in]

437mm
[17,20in]

390mm
[15,35in]

144mm
[5,67in]

192mm
[7,55in]

65mm
[2,54in]

456mm
[17,95in]

107mm
[4,20in]

268mm
[10,57in]

173mm
[6,79in]

90mm
[3,54in]

190°

113mm
[4,43in]

224mm
[8,81in]
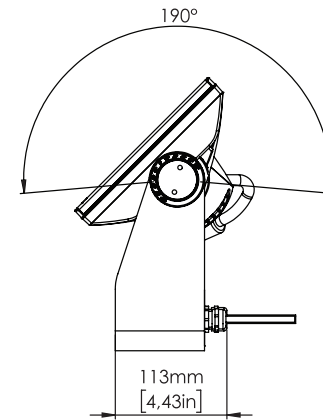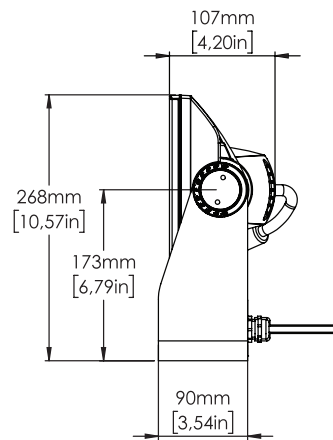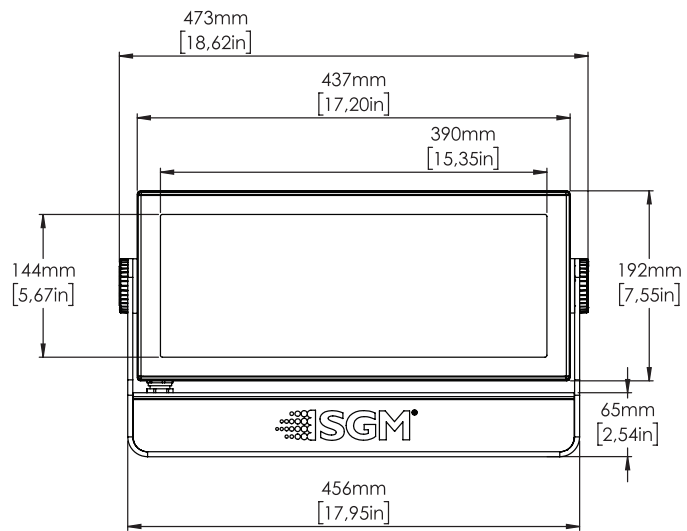
Specification

Optical Data

LED expected lifetime	50,000 hours
Lightsource	1,000 x cool white LEDs (5,700K)
Native lens options	110°
Optional filters	Extra medium angle soft diffusion, Q, internal Extra wide angle soft diffusion, Q, internal Elliptical horizontal effect, Q, internal Elliptical vertical effect, Q, internal

Photometric

Average CRI (CTC)	82
Color temperature	5700K
Efficacy	99 lm/W
Light output all LEDs on	48274 lm
Lumen per kilogram	5960 lm / Kg
Lux @ 10m	166 lux
Lux @ 3m	1839 lux
Lux @ 5m	662 lux
Native beam angle(s)	116° (with 110° lens)
Native field angle(s)	156°

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	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	8.1 kg (17.9 lbs)

Features

Color calibration	Single-unit color
Dehumidifier	Base / Head
Dimming	2 Smooth fade in, DMX-controllable curves: gamma corrected, and linear
Filters	Optional internal spread angle filters (factory assembled)
LED panel	4 individually controllable segments

	Other	LED frequency control, display selectable
	Power / DMX indicator	Base
	Strobe	Ultra-high-speed strobe effects Intensity, Duration, Rate and FX control channels Pixel strobe feature (up to 4 segments)
	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	485 W
	Power factor	0.99 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	8 W
Programming and Control	16-bit control	Dimmer
	DMX channels	1, 4, 6 or 8
	DMX modes	5
	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
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	1654.8 BTU per hour	
Total heat dissipation, standby	27.3 BTU per hour	

Included items

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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
	Q-7 W, POI, BL	80250412
	Q-7 W White Flood, POI, CU	80250414
	Q-7 W White Flood, POI, WH	80250413

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
	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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