



Q-7 POI

RGBW LED Flood Light



Description

SGM's Q-7 RGBW POI is a powerful IP66-rated outdoor LED wash and flood light with a wide beam and a symmetric and even light projection, suitable for any architectural application that requires 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 POI offers a bright beam range not only in horizontal but also in vertical coverage.

Due to its revolutionary product features, the Q-7 won the prestigious PIPA Award for Best Lighting Product of the Year 2015.

Features and benefits

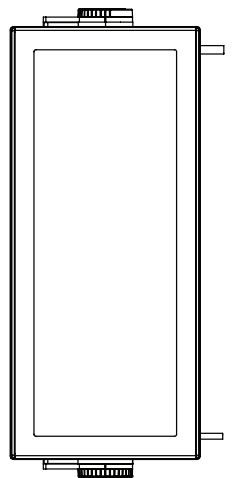
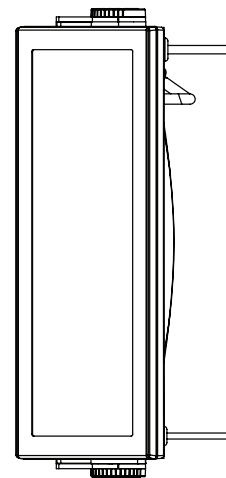
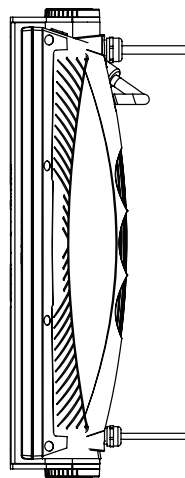
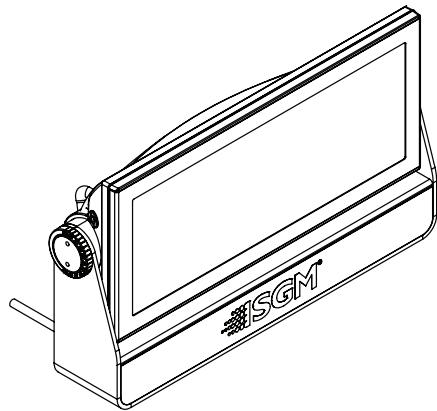
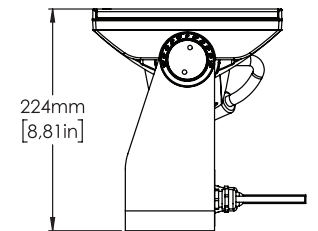
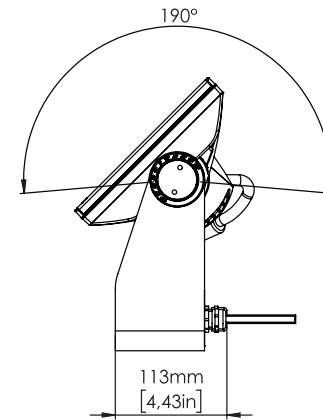
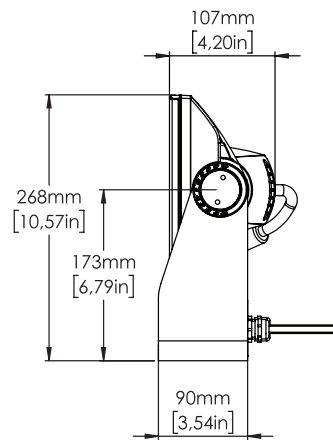
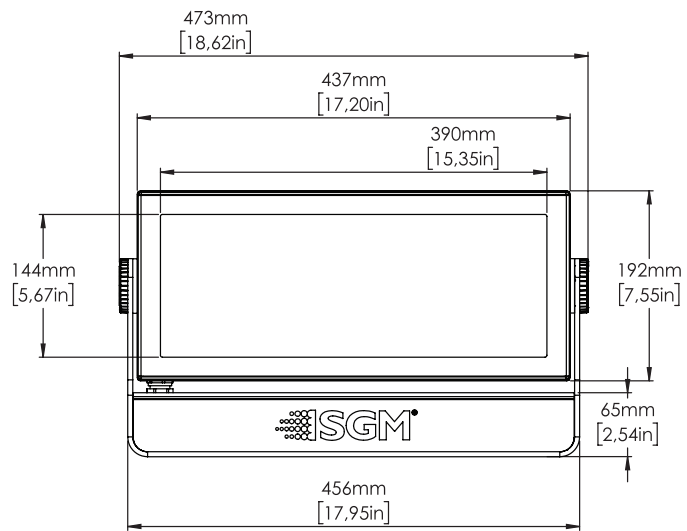
- ✓ High-performance color LED flood light
- ✓ Ideal application: Short to medium-throws for building facades, bridges, and towers
- ✓ Rugged construction in an ultra-compact design
- ✓ 5-year warranty in corrosion class C5-M (marine)
- ✓ 110° wide-angle coverage
- ✓ Superior RGBW color mixing in wide coverage
- ✓ 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

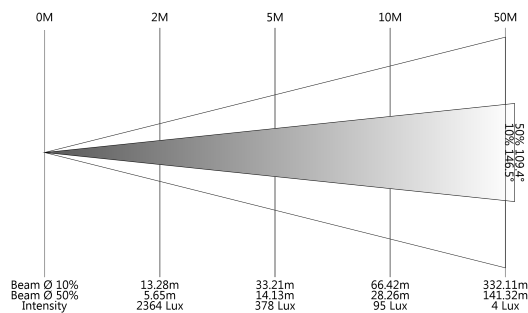




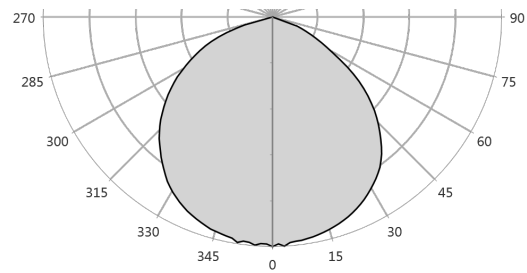
Manufacturer	SGM
Luminaire	Q-7 All on raw peak
Measurement Date	17-01-2018
Power Consumption	473 W
Light Output	25 163 lm
Field Angle	146.5 deg
Beam Angle	109.4 deg
Color Temperature	8 483 K



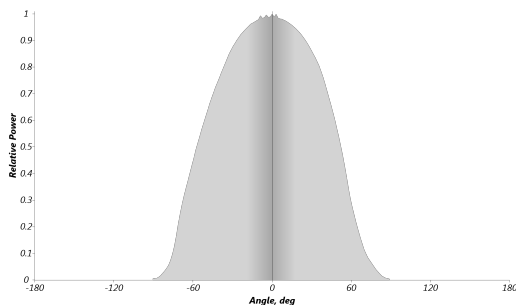
Lux Diagram



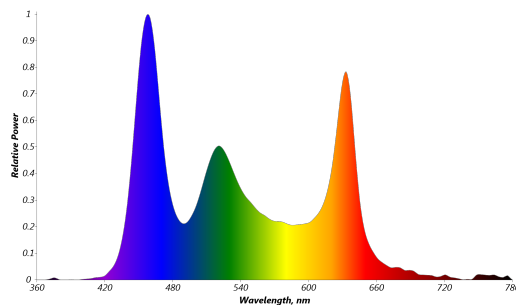
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	110° fixed
	Lightsource	2,000 x RGBW SMD LEDs (5,700K)
Photometric	Beam angle(s)	110° (with 110° lens)
	Color temperature range	2000K - 10000K
	CRI typical	84
	Efficacy	53 lm/W
	Light output all LEDs on	25163 lm
	Light output blue	1256 lm
	Light output green	6948 lm
	Light output red	3193 lm
	Lux @ 10m	95 lux
	Lux @ 3m	1051 lux
	Lux @ 5m	378 lux
	Maximum Field Angle	146 °
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
	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	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, nominal	208 - 240V 50/60Hz
	Electrical Protection	Overload protection
	Max Inrush Current 230VAC	45 A

	Max power consumption	465 W
	Power factor	0.99 PF (230 V) PF (230V)
	Standby power consumption	8 W
	Typical power consumption	450 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	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

RoHS2 Directive
UL

EN 62471
EN 60529
2011/65/EU
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 Color Flood, POI, WH	80030850
☐	Q-7 Color Flood, POI, BL	80030800
☐	Q-7 Color Flood, POI, CU	80030880
☐		
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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