SGM®

Q·2 POI

RGBW LED Wash Light

Description

The Q-2 POI is a bright and powerful IP66-rated outdoor LED wash light, ideally suited for small to medium sized applications such as building facades, landscapes and trees, signage, and architectural features. Besides sharing some of the key features of the larger Q-7 POI, like color calibration and wide angle lighting coverage, the Q-2 also includes the benefits of three-segment pixel mapping control and low power consumption.

Features and benefits

✓ High-performance color LED wash light

✓ Ideal application: building facades, landscape and trees, signage, and architectural features

✓ Superior RGBW color mixing

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

✓ 110º wide-angle coverage

✓ Rugged and ultra-compact construction in only 6kg (13.2lbs.)

✓ Flicker-free operation with 100% smooth dimming performance

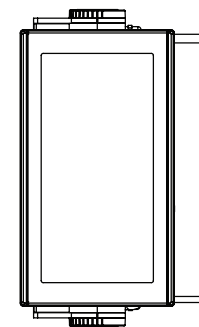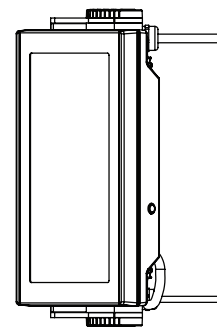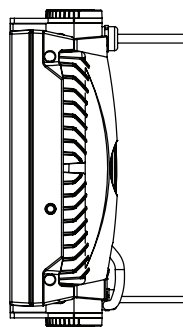✓ IP66-rated with a patented built-in dehumidifier for a maintenance free operation

Certifications & classifications

IP66   RoHS   CE   ETL c US   ECO FRIENDLY

311mm
[12,24in]

271mm
[10,67in]

225mm
[8,86in]

110mm
[4,33in]

151mm
[5,95in]

294mm
[11,57in]

56mm
[2,19in]

105mm
[4,15in]

223mm
[8,78in]

148mm
[5,81in]

90mm
[3,54in]

190°

105mm
[4,15in]

210mm
[8,28in]
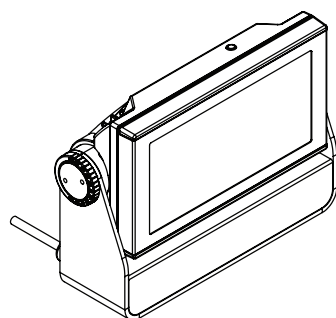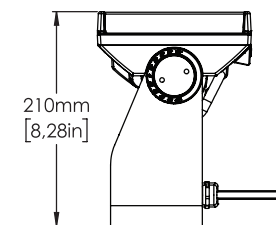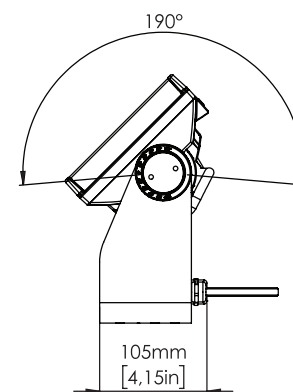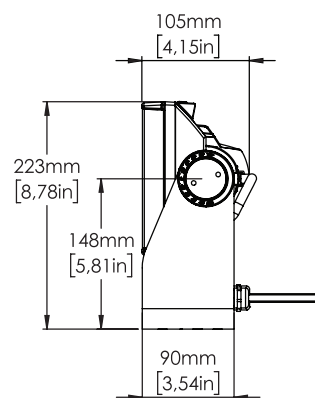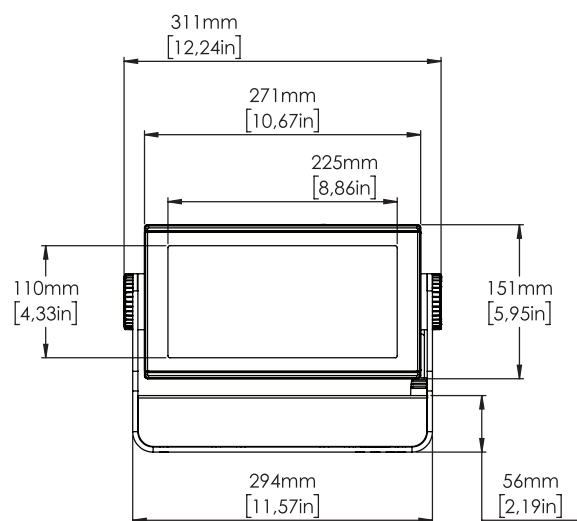
Specification

Optical Data		
	LED expected lifetime	50,000 hours
	Lightsource	864 x RGBW SMD 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		
	Color temperature range	2000K - 10000K
	Efficacy	46 lm/W
	Light output all LEDs on	9000 lm
	Light output blue	562 lm
	Light output green	2250 lm
	Light output red	1379 lm
	Lumen per kilogram	1500 lm / Kg
	Lux @ 10m	35 lux
	Lux @ 5m	141 lux
	Native beam angle(s)	107° (with 110° lens)
	Native field angle(s)	154°

Physical		
	Color options	Black - RAL 9004
		Custom color - Any RAL
		White - RAL 9010
	Corrosion class	CX (C5-M - ISO 12944)
	Effective Projected Area	0.96 Square ft
	IP class	IP66
	Lens material	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 kg (13.2 lbs)

Features		
	Color calibration	SGM proprietary, full color calibration
	Dehumidifier	Head
	Dimming	2 Smooth fade in, DMX-controllable curves: gamma corrected, and linear
	Filters	Optional internal spread angle filters (factory assembled)
	LED panel	3 individually controllable segments

	Power / DMX indicator	Head
	Strobe	Ultra-high-speed strobe effects Pixel strobe feature (up to 3 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	90 - 305 VAC; 50 / 60 Hz
	Input voltage, nominal	100 - 277 VAC; 50 / 60 Hz
	Max inrush current 230VAC	75 A
	Max power consumption	265 W
	Power factor	0.96 PF (230 V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	5 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White
	DMX channels	3, 6, 9, 12, 15 or 22
	DMX modes	6
	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	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 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
	Total heat dissipation, max power	904.2 BTU per hour
	Total heat dissipation, standby	17.1 BTU per hour

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
☐	Q-2, POI, BL	80230403
☐	Q-2, POI, WH	80230404
☐	Q-2, POI, CU	80230405
☐		

Qty	Accessories	Item number
☐	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	
☐	Omega Bracket POI	83060623
☐	SGM USB uploader cable, POI	83062067
☐	Universal Bracket	83060641
☐		

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