

Q-8

— POI - IP66 RGBW WASH —

EFFICIENCY AND DURABILITY WITH A PUNCH

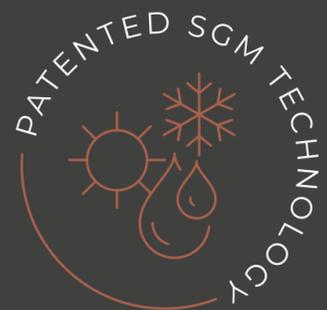
 **SGM**[®]



NEXT LEVEL POWER IN A COMPACT FORM

The Q-8 is an incredibly powerful and efficient colour changing fixture with a compact design. A game changer that produces astonishing amounts of beautifully calibrated colour changing lights.

The Q-8 POI (Permanent Outdoor Installation) incorporates the best features from the SGM entertainment series. The high-efficiency LED panel, and the extremely durable industrial design, are combined with our proprietary POI features to give you the ultimate exterior washlight for powerful short-throw coverage.



Q-8 POI - THE ULTIMATE COMBINATION OF POWER, DURABILITY AND EFFICIENCY

NEXTGEN DESIGN PLATFORM

With its IP66 rating, a rock-solid head with integrated dehumidifier, and a sealed IP67 base, the Q-8 is a compact but incredibly powerful fixture. Q-8 users benefit from our next-gen ThermalDrive control, our DryTech system, and our 12 years of experience in all-weather lighting technology. SGM builds quality.

THE NEXT LEVEL ON RGBW'S APPLICABILITY: TRUCOLOUR+ HIGH COLOUR RENDERING

With a calibrated CRI performance above 90, and a 95+ TLCI via RAW modes, the Q-8 is the first RGBW fixture to achieve this level of white reproduction when mixing all 4 LEDs. Thanks to SGM's TruColour+ technology, the Q-8 can deliver over 42,500 lumens* with excellent colour rendition (CRI 96). If you've ever wanted to replace discharge source fixtures with an LED colour changing fixture but couldn't match the lumen output - now you can.

EXTREME OUTPUT

The Q-8 brings added value with VersaPath: a designer selectable algorithm for advanced control over colour transitions. With SGM's VersaPath, you can warm up or cool down mixed RGB colours over the black body curve, then decide which dominant prevails when moving from one colour to another. When combined with CTC, Q-8 users can also emulate colour filters over a specific native colour temperature or mimic the colour path response of third-party RGB fixtures. All this means that matching colours or adding fixtures to an existing installation is now easier and more precise than ever before.

* Values are LM-79 verified, obtained with goniometer scan/SGM illumination lab 1.6.0.0.

HIGH-TLCI RGBW LED PANEL

- 880 RGB LEDs and 880 white 5,700 K LEDs
- 4 pixel segments with 8-bit and 16-bit control
- High CRI and high TLCI (>90)
- RGBW colour strobe feature

DURABLE IP66 DESIGN

- Integrated dehumidifier and ePTFE membrane
- Humidity and heat sensors with smart control
- RDM remote monitoring

SUPERIOR DIMMING PERFORMANCE

- 3 master intensity channels
- Multiple dimming curves including low-end extended range



High power LEDs with industry leading binning tolerance



Tilt-locks with angle indicator

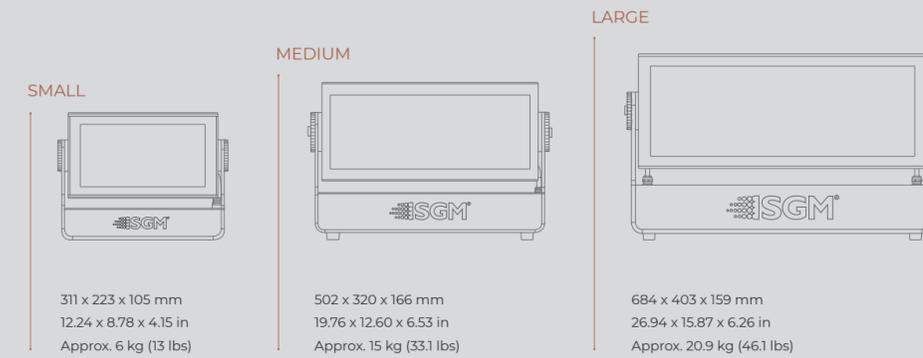


Durable and simple to wire power and data inputs

A LIGHTING PACKAGE FOR FLEXIBLE DESIGN

SGM offers a lighting package that incorporates powerful and efficient solutions. Our goal is to provide dynamic architectural lights and best in class support from design concept, through warranty, and beyond.

The iPQ lighting package consists of luminaries with unique LED engines designed to suit dynamic applications. It is this combination of narrow, medium, and wide-angle engines which delivers bright impactful results no matter how challenging the project.



Model									
Native beam angles Beam angles w. filter ***	8°	8°	2.3° 3.2° x 3.4°	15°, 25°, 35° 50°, 65°, 100°, 35° x 85°	11°, 25°, 35° 18°, 47°, 12° x 60°	11°, 25°, 35° 18°, 47°, 12° x 60°	107°	105°	102°
Native field angles Field angles w. filter ***	17°	16°	4.2° 6.2° x 6.5°	31°, 54°, 78° 103°, 123°, 150°, 78° x 143°	20°, 42°, 57° 34°, 86°, 26° x 89°	22°, 42°, 57° 34°, 86°, 26° x 89°	142°	135°	143°
Form factor	Small	Medium	Medium	Small	Medium	Large	Small	Medium	Large
LED arrays	RGBW	RGBW	RGBW, W5700K	RGBW	RGBW	RGBW	RGBW, W5700K	RGBW	RGBW
Max. lumen all on raw, (RGBW) **	4,700 lm	17,892 lm	2,615 lm *	6,499 lm	14,475 lm	28,101 lm	8,500 lm	40,007 lm	45,013 lm
Max. lumen, all on calibrated (RGBW) **	5,019 lm	17,629 lm	2,400 lm *	7,110 lm	14,559 lm	28,779 lm	8,958 lm	39,270 lm	33,008 lm
Lux @ 5m **	5,818 lx	20,606 lx	56,705 lx *	2,539 lx	11,241 lx	18,797 lx	141 lx	657 lx	716 lx
Lux @ 10m **	1,454 lx	5,151 lx	14,176 lx *	635 lx	2,810 lx	4,699 lx	35 lx	164 lx	179 lx
Lux @ 50m **	58 lx	206 lx	567 lx *	25 lx	112 lx	188 lx	1 lx	7 lx	7 lx
Power consumption in all on raw (RGBW) **	105 W	439 W	241 W	201 W	585 W	1,195 W	238 W	550 W	1,043 W
Voltage range	100 - 277 VAC 50 / 60 Hz	208 - 240 VAC 50 / 60 Hz	115 - 277 VAC 50 / 60 Hz	100 - 277 VAC 50 / 60 Hz	115 - 277 VAC 50 / 60 Hz	100 - 277 VAC 50 / 60 Hz	100 - 277 VAC 50 / 60 Hz	115 - 277 VAC 50 / 60 Hz	100 - 277 VAC 50 / 60 Hz

* Preliminary photometric data / ** Measurements comply with IES LM-79 (steady-state) /
*** Custom filters available on request, both for symmetrical and elliptical spread

iPQ

APPLICATION
SPECIFIC
LIGHT
ENGINES

With the added wide beam power of the Q-8, the iPQ package is now the most efficient premium solution in outdoor lighting. Experience controllable light over long distances with the strong punch of the i-Series, solve a huge range of lighting challenges with the flexibility of the P-Series, and wash large areas with the smooth colour blending of the Q-Series.

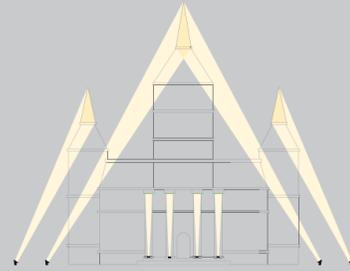
Specific lighting tools for an integrated design,
powered by SGM technology:

- unified colour palette
- proven reliability
- outstanding light output
- advanced control

i-SERIES

NARROW BEAM

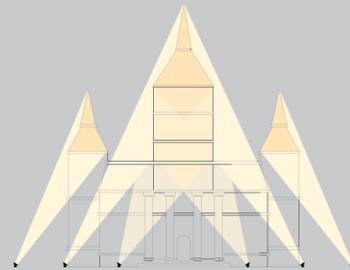
i-series narrow beam fixtures bring long-distance and intensity, delivering incredible saturation with maximum precision for your installation. Designed to deliver a powerful punch for distance and narrow beam grazes, the i-Series is the most precise lighting tool in the iPQ family.



P-SERIES

MEDIUM BEAM

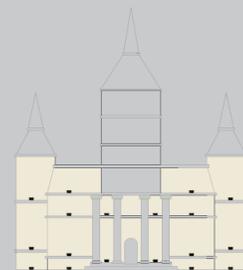
The P series features beam angles which cover a large range between narrow and wide. Utilizing multi-chip LED arrays under a single optic resulting in superior colour mixing and high output, the P-Series is the versatile workhorse of the iPQ wash family.



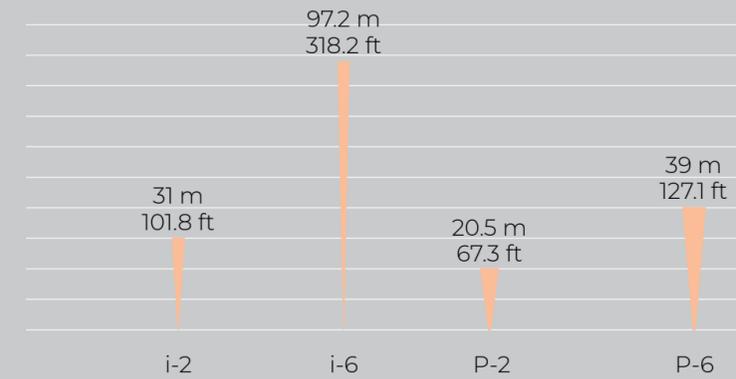
Q-SERIES

WIDE BEAM

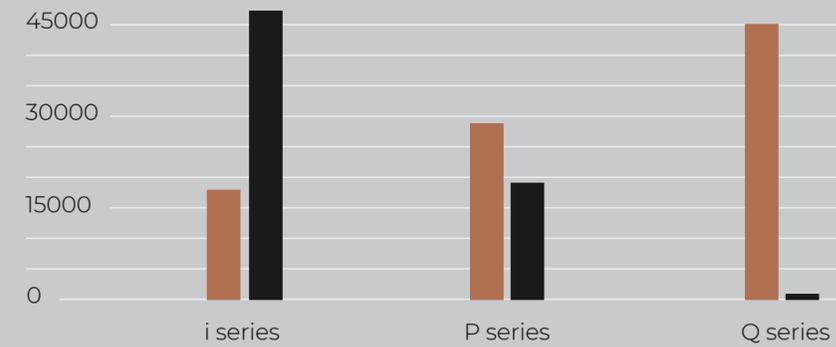
Designed for coverage, the Q-Series is the choice for short-throw lighting. Smooth and with a well-distributed spread, the Q-Series produces even coverage at close range, especially when used in arrays. Offering uniform wall-washing with the highest output in the industry, the Q-Series can provide unmatched intensity.



THROW DISTANCE AT 150 LUX / 13.9 FC



LUMINANCE VS. ILLUMINANCE



Max. lumen ** Lux @ 5m (16.4 ft) **

** Measurements comply with IES LM-79-08 (steady-state)

LIGHTSOURCE	
Light source	880 RGB LEDs and 880 white LEDs (5,700 K)
Max output	42,536 lumens LM-79
Luminous efficacy	88.4 lumens / watt maximum
Beam angle	105°
Pixel control	4 individually controllable segments, 16 bits
Dimming	16 bit, 12 DMX-controllable dimming curves
LED expected lifetime	> 50,000 hours
LED frequency adjustment	3.1 Khz - 30 Khz, plus 7 high-speed presets (up to 2,000 fps)
Colour temperature range	2,000 K - 10,000 K
Colour features	2 colour paths (standard / VersaPath™), filter emulation, 16 bit
Colour modes	RGB CTC, RGBW CTC, RGB+W CTC, HSI, CMY, XY
Colour rendering, max (RAW)	CRI 95+ / TLCI 95+

TECHNICAL FEATURES	
Dehumidifier / ePTFE membrane	SGM DryTech
IP Class / IK Rating / Corrosion class	POI version - IP66 / IK06 / C5 (ISO 12944)
Safety features	1 x attachment point for safety wire

PROGRAMMING AND CONTROL	
Wireless control	LumenRadio wireless DMX and RDM (CRM™, W-DMX™ G3-G4S)
DMX channels	7 DMX modes (3, 4, 6, 8, 10, 22, 33)

ELECTRICAL	
AC power, Max / Nominal	100-305 v 50-60 Hz, 541 Watts maximum
Power Supply Unit	Inbuilt IP67 Auto-ranging electronic switch-mode
Electrical protection	Overload protection with automatic recover

CONNECTIONS		
Data connections (USITT DMX512A)	POI version	5 meter cable for DMX In and DMX through
Setting, addressing, and monitoring	POI version	RDM ANSI E1.20
Power connections	POI version	Power cable 5 meter with bare ends

THERMAL	
Thermal control	SGM ThermalDrive (active + passive cooling)
Max humidity	98%
Temperature range, operating	-40° to +50°C / -40° to +122°F
Temperature range, start-up	-20° to +50°C / -20° to +122°F
Temperature range, storage	-40° to +80°C / -40° to +176°F

PHYSICAL	
Tilt angle / tilt locks	0° - 220° with scale indicator / pignose locks
Dimensions (L x W x H)	520 x 320 x 166 mm / 20.5 x 12.6 x 6.5 in
Effective projected area	2.15 square feet
Mounting points / Orientation	6 M-10 locking points / Any orientation
Total weight	13.5 kg / 29.8 lbs
Colour options	Black (RAL 9004), white (RAL 9010), custom RAL colour

OPTIONAL ACCESSORIES	
Accessory options	SGM full and half anti-glare
Bracket options	SGM POI omega brackets (M-10)
	Anti-glare shield, half - Medium, POI, P-6 / Q-8 / i-6
	Anti-glare shield, full - Medium, POI, P-6 / Q-8 / i-6
	Mounting plate, 90° - Medium, POI, P-6
	Mounting plate, flat - Medium, POI, P-6
	Omega Bracket POI
	Universal Bracket

CERTIFICATES	
2014/35/EU: Low Voltage Directive	EN 60598-1, 60598-2-17, EN 62471, EN 60529
2014/30/EU: EMC Directive	EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3, EN 55015
RoHS2 Directive	2011/65/EU
CSA	CSA Std. C22.2 No. 166
UL	UL Std. 1573
UKCA	UK SI 2016 No. 1101: The Electric Equipment (Safety) Regulations 2016, UK SI 2016 No. 1091: Electromagnetic Compatibility Regulations 2016, UK SI 2012 No. 3032: Restriction of the Use of Certain Hazardous

ORDERING INFORMATION

FIXTURES

ORDERING NUMBER	POI PRODUCTS
80251750	Q-8 Flood Strobe, POI, BL
80251751	Q-8 Flood Strobe, POI, WH
80251752	Q-8 Flood Strobe, POI, CU

ACCESSORIES

ORDERING NUMBER	PRODUCT
83061176	Full anti-glare shield, medium, BL
83061177	Full anti-glare shield, medium, WH
83061178	Half anti-glare shield, medium, BL
83061179	Half anti-glare shield, medium, WH

BRACKETS

ORDERING NUMBER	PRODUCT
83060623	Omega bracket POI with M10 Bolts, BL
83060624	Omega bracket POI with M10 Bolts, WH
83060641	Universal Bracket

CABLES

ORDERING NUMBER	PRODUCT
83062067	SGM USB uploader cable, POI

SERVICE TOOLS

ORDERING NUMBER	PRODUCT
83061136	Vacuum Test Kit

WHAT IS IN THE BOX

- Q-8 POI fixture
- 6 M-10 screws
- Printed leaflet with safety instructions

IMPORTANT NOTES

Please note that accessories such as barndoors or filters are sold separately.

DEVELOPED, MANUFACTURED, AND TESTED IN DENMARK

- Premium user-centered design
- Flexible manufacturing process
- Short reaction time; faster deliveries
- Integrated support (R&D / production / after-sales)



TruColour+
High Colour Rendering
Enhanced Colour Engine



ThermalDrive
Advanced Temperature
Control Hybrid Cooling



DryTech
Integrated Dehumidification
Active Moisture Removal

February / 2023. The information in this document is subject to change without notice.



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IP66

CE



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RoHS