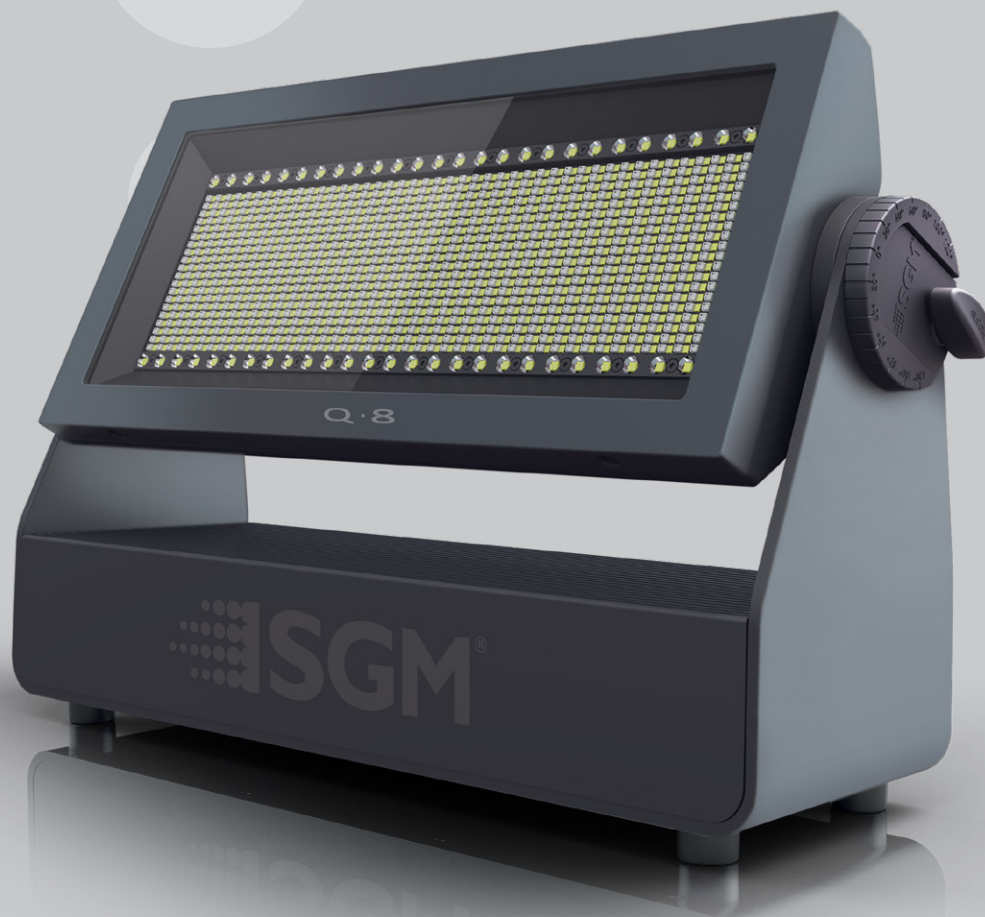


# Q-8

IP66 RGBW LED Flood / Pixel / Blinder / Strobe

The DualSource™ Luminaire with punch



 SGM®



# Welcome to the next level

## Performance meets functionality

A single luminaire with two punchy strobes, a high color rendering floodlight, and a direct-view blinder with pixel capabilities. Imagine a blinder for a wall on stage, specified as key lighting for film and broadcast applications. With the Q-8, you invest in one light that can do both well.

The SGM Q-8 is a **DualSource™** touring fixture that is made to the quality standards of a studio fixture. This evolution of the Q-7 brings to market a combined 53,849 lumens\* strobe blinder, and a 47,232 lumens\* studio-quality floodlight with TLCI 90+ (**TruColor+™**).

## The Q-8: everything you liked and more

You love everything about Q-7. It's flexible, it's easy to use, it looks nice. We can't reinvent what already works, but we can take it to the next level. The Q-8 inherits the durability of the P-6 and the innovation of the G-7 **BeaSt** in a versatile, high-quality **DualSource™** tool. Superior performance, new features, advanced control.

## What's new?

### Double-tap strobe, segment controlled

The Q-8 includes 2 completely independent linear strobe blinders. These powerful strobe blinders are located at the top and bottom of the floodlight section, keeping all the advantages of the Q series while delivering new effects and 8 controllable pixels. In addition, the Q-8 includes a new dual color strobe feature for the RGBW panel, allowing to strobe in a color while using a different color in the background. Two different light sources, double strobe effect, twice the fun.

### 2 color engines in the same luminaire

The Q-8 brings added value with our brand new **VersaPath™**: a designer selectable algorithm for advanced control over color transitions. With SGM's **VersaPath™**, you can warm up or cool down mixed RGB colors over the black body curve, then decide which dominant prevails when moving from one color to another. When combined with CTC, Q-8 users can also emulate color filters over a specific native color temperature or mimic the color path response of third-party RGB fixtures.

### The next level on RGBW's applicability: **TruColor+™** high color 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 **TruColor+™** technology, the Q-8 can deliver up to 47,232 lumens\* at 5,500 K with excellent color rendition (CRI 96). If you've ever thought about replacing discharge HMI on location with an IP66 LED fixture - now you can.

### NextGen design platform

With its IP66 rating, a rock-solid head with integrated dehumidifier, and a sealed IP67 wet base, the Q-8 is a compact dual-purpose tank. The Q-8 users benefit from our next-gen **ThermalDrive™** control, our patented **DryTech™** system, and our 12 years of experience in all-weather lighting technology. SGM builds quality.

## Stage

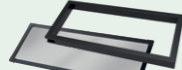
Direct view effects

Mark is a highly-skilled Touring Operator.

Each Q-8 brings him two completely independent strobe lights and a powerful color surface with pixel capabilities. He gets eye-candy effects, a close-distance wash, and two insanely bright blinders in just one standard-size fixture.



**Omega brackets**  
With 1/4 turn fasteners



**Filter diffusers & extender**  
5 magnetic frames



**Flightcase (4 units)**  
Amptown-made premium SIP case



## Studio

High TLCI softlight

Lisa works as a Cinematographer for several advertising agencies.

When filming at the studio, the Q-8 gives her excellent color rendition, a versatile color temperature range, and an extensive frequency adjustment. On location, the Q-8's IP-66 rating, compact size, and wireless control are a huge plus.



**Omega or 28 mm spigot**  
Combinable brackets



**Filter diffusers & extender**  
5 magnetic frames



**DoPchoice Snapbag® & Snapgrid®**  
Soft lightbank & light spread control

## Theater

Symmetrical cyclorama

Aisha has 25 years of experience in theatrical applications.

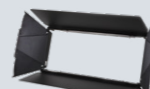
The Q-8 allows her to create deep saturated scenes in cycloramas and backdrops. Features such as the Q-8's extended dimming curves and VersaPath™ color engine enhance her designs by allowing subtle color transitions and superior dimming.



**Omega brackets**  
With 1/4 turn fasteners



**4-way barndoors**  
4 adjustable flaps



**8-way barndoors**  
8 adjustable flaps



## Architainment

Wide angle floodlighting

Juan designs outdoor events and short-term installations.

He benefits from the Q-8's accurate color mixing, even distribution, and wide angle beam. The panel can be used for wall-washing and accent lighting, while the two strobe lines work great for projects that require high visibility and special effects.



**Half anti-glare shield**  
Oxsilian coated



**Full anti-glare shield**  
Oxsilian coated



**POI brackets**  
Anti-corrosion mounting

**Two powerful strobe blinders**

52 high-output white 7,000 K LEDs  
 4 pixel segments with 8-bit and 16-bit control  
 Individual parabolic multi-reflectors  
 75° beam angle

**High-TLCI RGBW LED panel**

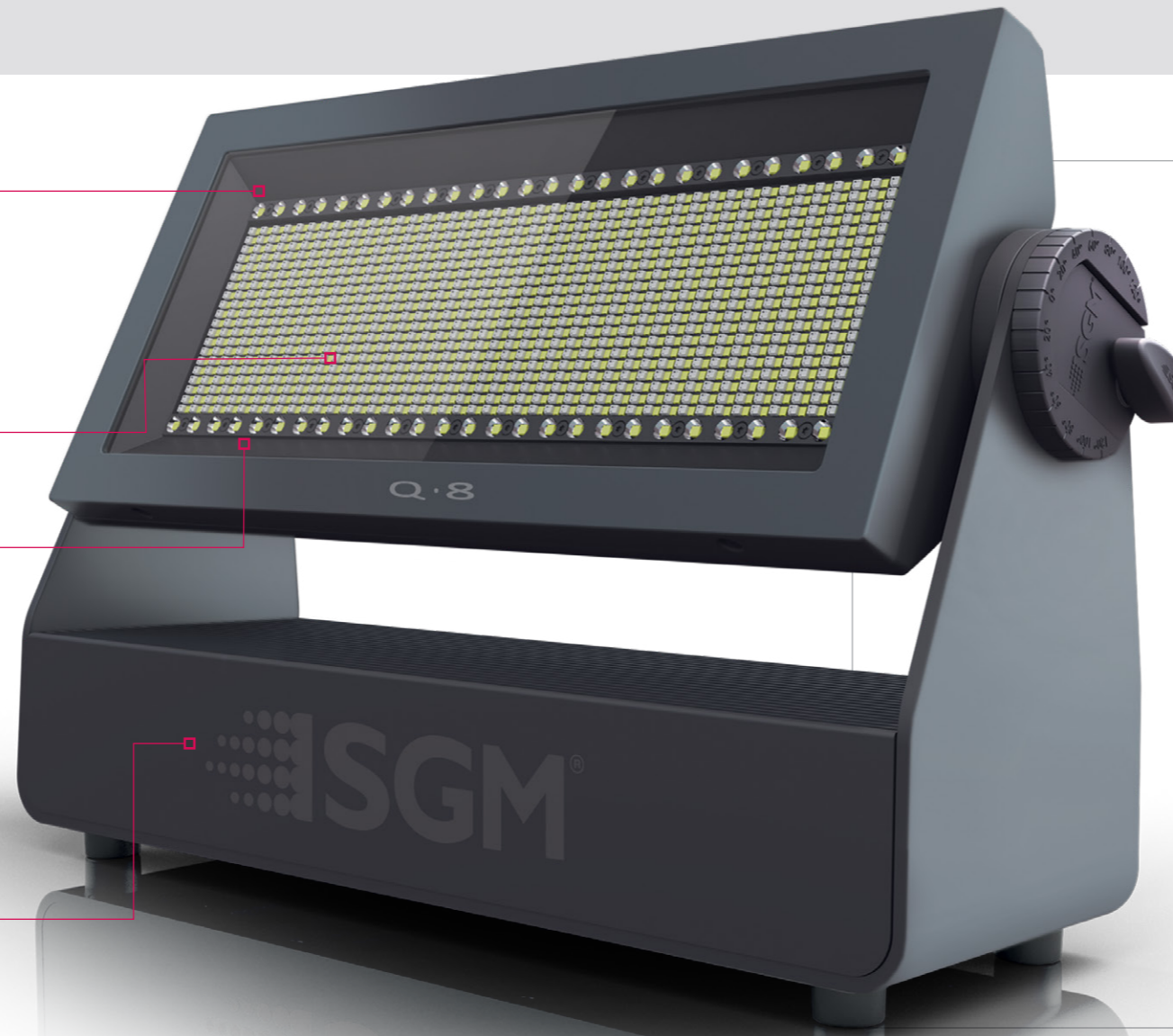
880 RGB LEDs and 880 white 5,700 K LEDs  
 4 pixel segments with 8-bit and 16-bit control  
 High CRI and high TLCI (>90)  
 RGBW dual color strobe feature

**Wide angle spread**

110° beam angle  
 Optimized look for direct view  
 Optional SNAPGRID® and SNAPBAG®  
 Optional magnetic filter frames

**All-Weather IP66 design**

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



**Full control over effects and color features**

- 7 DualSource™ macros with speed control
- 2,000 K to 10,000 K Color Temperature Control
- RGBW, CMY, HSI and XY in calibrated and RAW modes
- DMX-configurable standard path and VersaPath™

**Superior dimming performance**

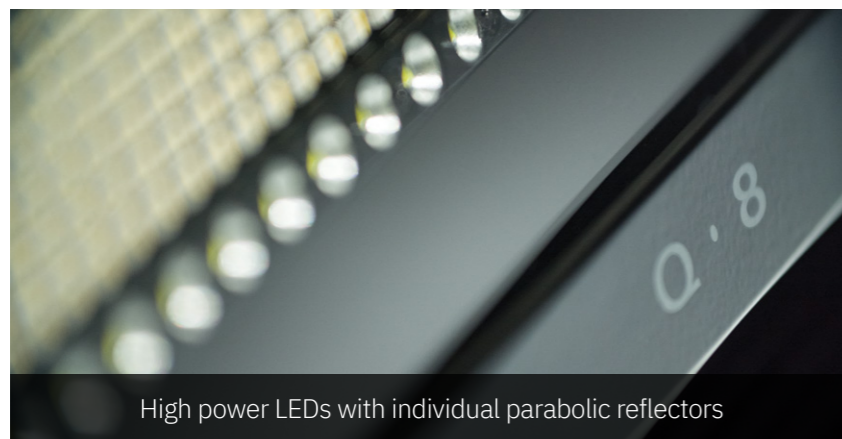
- 3 master intensity channels
- 12 dimming curves including low-end extended range
- Optimized low-end dimming

**Studio features**

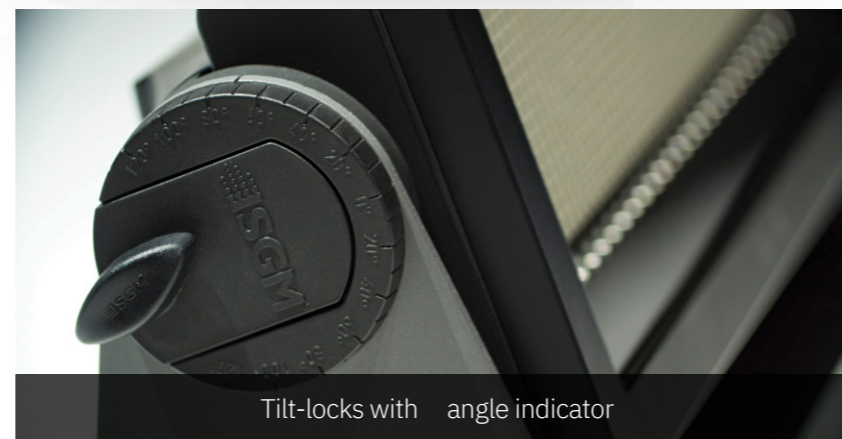
- Extensive frequency control over DMX
- 0 - 100% fan speed control
- Color filter emulation and plus/minus green

**Multiple and reliable connections**

- IP66 power in and power through chassis connectors
- IP67 5-pin DMX chassis connectors
- Wireless DMX and RDM via LumenRadio transceivers



High power LEDs with individual parabolic reflectors



Tilt-locks with angle indicator



Handle and OLED display on top

## Expanded versatility

The Q-8 is the ultimate evolution of the Q series, designed for adaptability, efficiency and design. The first **DualSource™** in the series, the Q-8 is a fixture that brings new features consistent with SGM's mission to advance usability and flexibility.

Built tough, well thought, all-Weather.



◀ The Q-7. Needs no introduction

The Q-10. Hell yeah!!! ▶



## POI Option available

Designed for Permanent Outdoor Installations, the POI product package is specifically developed for durability and endurance in harsh environments. All POI Fixtures include IP66 rating, C-5M marine protection, 5 year warranty and **DryTech™** technology.



MAIN PANEL LIGHTSOURCE

Light source	880 RGB LEDs and 880 white LEDs (5,700 K)
Max output	51,771 lumens
Luminous efficacy	87.5 lumens / watt maximum
Beam angle	108°
Pixel control	4 individually controllable segments, 16 bits
Dimming	16 bit, 12 DMX-controllable dimming curves
Strobe control	Intensity, duration, rate, effect, RGBW strobe (background control)
LED expected lifetime	> 50,000 hours
LED frequency adjustment	3.1 Khz - 30 Khz, plus 7 high-speed presets (up to 2,000 fps)
Color temperature range	2,000 K - 10,000 K
Color features	2 color paths (standard / VersaPath™), filter emulation, 16 bit
Color modes	RGB CTC, RGBW CTC, RGB+W CTC, HSI, CMY, XY
Color rendering, max (RAW)	CRI 95+ / TLCI 95+

STROBE BLINDERS (COMBINED)

Light source	52 high-power white LEDs (7,000 K)
Max output	52,675 lumens
Efficacy	96 lumens / watt
Beam angle	75.2°
Pixel control	4 individually controllable segments, 16 bits
Dimming	Electronic, 16 bit
Strobe control	Intensity, duration, rate, effect for each individual source
LED expected lifetime	> 20,000 hours

GENERAL

TECHNICAL FEATURES	
Dehumidifier / ePTFE membrane	SGM <b>Dry</b> Tech™ on head
IP Class / IK Rating / Corrosion class	Standard version IP66 / IK06 / No corrosion treatment
	POI version IP66 / IK06 / C5-M (ISO 12944)
Safety features	1 x retractile attachment point for safety wire

PROGRAMMING AND CONTROL	
Wireless control	LumenRadio wireless DMX and RDM (CRMX™, W-DMX™ G2-G4S)
DMX channels	8 DMX modes (6, 10, 12 x 2, 27, 34, 36, 41, 52)
Standalone modes	SGM Quick Color, 24 programmable scenes (Only Std. version)

ELECTRICAL	
AC power, Max / Nominal	90-305 v 50-60 Hz / 100-277 v 50-60 Hz, 650 Watts maximum
Power Supply Unit	Inbuilt IP67 Auto-ranging electronic switch-mode
Electrical protection	Overload protection with automatic recover

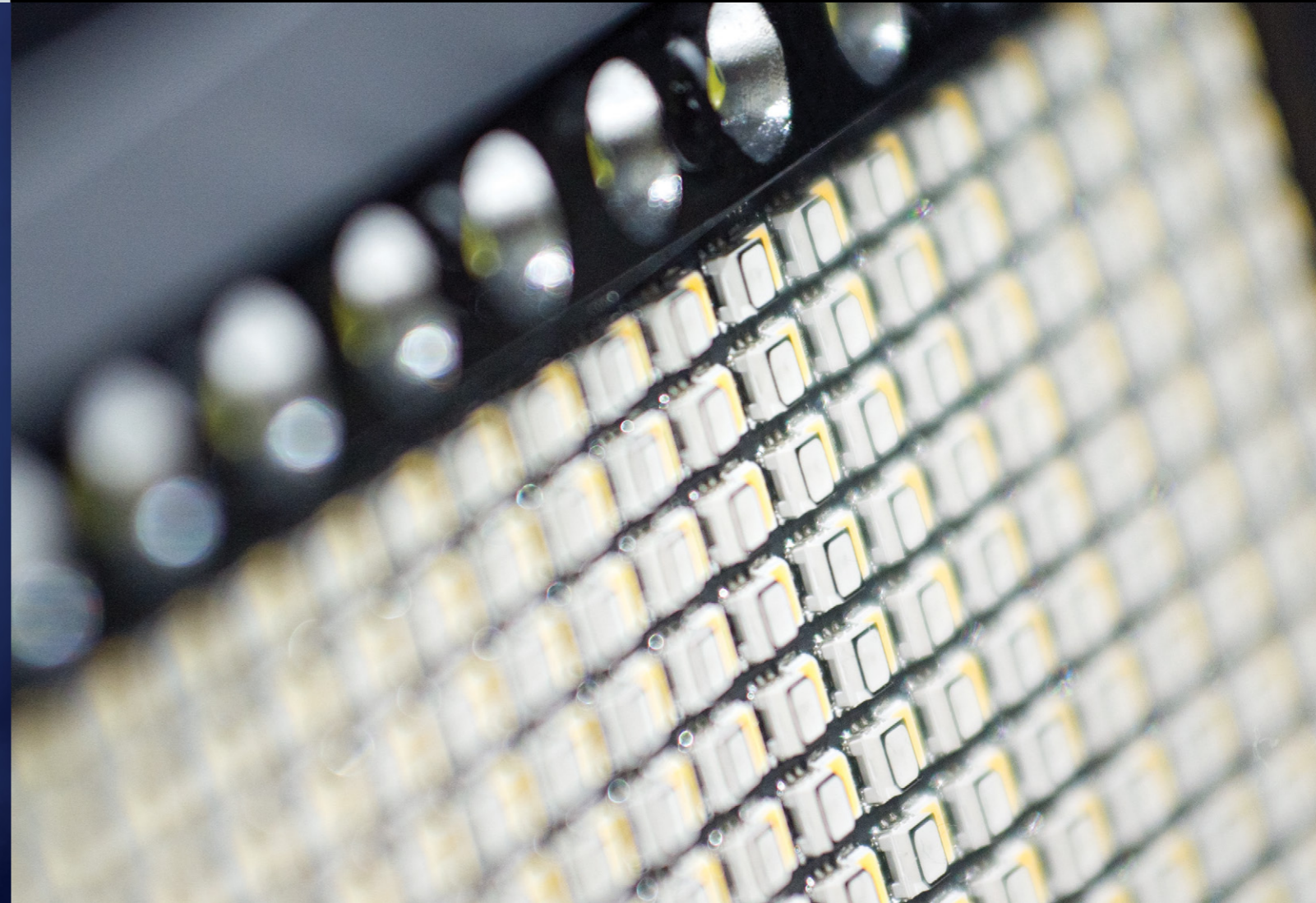
CONNECTIONS		
Data connections (USITT DMX512A)	Standard version	IP67 XLR 5-pin connectors
	POI version	5 meter cable for DMX In and DMX through
Setting, addressing, and monitoring	Standard version	RDM ANSI E1.20; OLED Graphical display on head
	POI version	RDM ANSI E1.20 only
Power connections	Standard version	IP66 power input connector and link-through
	POI version	Power cable 5 meter with bare ends

THERMAL	
Thermal control	SGM <b>Thermal</b> Drive™ (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	Standard version	0° - 220° with scale indicator / adjustable wing knobs
	POI version	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	Standard version	3 x 2 ¼ turn locking points / Any orientation
	POI version	6 M-10 locking points / Any orientation
Total weight	13.5 kg / 29.8 lbs	
Color options	Black (RAL 9004), white (RAL 9010), custom RAL color	

OPTIONAL ACCESSORIES	
Filter options	SGM magnetic easy-fit spread angle filters and extender
Accessory options	SGM 4-way and 8-way barndoors, SGM full and half anti-glare
	DoPchoice™ SnapBag® and SnapGrid®
Bracket options	SGM 28 mm spigot adapter, SGM POI omega brackets (M-10)

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



## ORDERING INFORMATION

### FIXTURES

ORDERING NUMBER	STANDARD PRODUCTS	ORDERING NUMBER	POI PRODUCTS
80031750	Q-8 Flood Strobe, Std, BL	80251750	Q-8 Flood Strobe, POI, BL
80031751	Q-8 Flood Strobe, Std, WH	80251751	Q-8 Flood Strobe, POI, WH
80031752	Q-8 Flood Strobe, Std, CU	80251752	Q-8 Flood Strobe, POI, CU

### ACCESSORIES

ORDERING NUMBER	PRODUCT
83061173	4-way barndoors for P-6/Q-8, medium, BL
83061186	8-way barndoors for P-6/Q-8, medium, BL
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
83061170	Filter frame for P-6 / Q-8 – medium angle
83061171	Filter frame for P-6 / Q-8 – wide angle
83061168	Filter frame for P-6 / Q-8 – elliptical horizontal
83061169	Filter frame for P-6 / Q-8 – elliptical vertical
83061189	DoPchoice Snapbag for Q-8
83061190	DoPchoice Snapgrid for Q-8
83061191	Filter frame extender for P-6 / Q-8

### BRACKETS

ORDERING NUMBER	PRODUCT
83060623	Omega bracket with ¼ turn bolts, BL
83061202	Omega bracket with ¼ turn bolts, WH
83060639	28 mm spigot adapter for omega bracket

### FLIGHT CASES

ORDERING NUMBER	PRODUCT
82051509	Flight case for 4 pcs of P-6 / Q-8 incl. accessories

### CONVERTERS / RDM ADMINISTRATORS

ORDERING NUMBER	PRODUCT
80070217	A-4 Art-Net to DMX converter

### CABLES

ORDERING NUMBER	PRODUCT
07860275	Power cable with IP connector
83062011	SGM USB uploader cable
83062067	SGM USB uploader cable, POI

### SERVICE TOOLS

ORDERING NUMBER	PRODUCT
83061136	Vacuum Test Kit

## WHAT IS IN THE BOX

### What is in the box

#### Standard\*

- Q-8 fixture
- 1 IP66 power cable
- 2 Omega bracket
- Printed leaflet with safety instructions

#### Permanent outdoor installation (POI) \*

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

#### Important notes

Please note the packaging for the fixtures does not include any other accessories such as barndoors or filters. All these items 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)



**DualSource™**  
2 Independent Light Sources  
Optimized Power Management



**TruColor+™**  
High Color Rendering  
Enhanced Color Engine



**ThermalDrive™**  
Advanced Temperature Control  
Hybrid Cooling



**DryTech™**  
Integrated Patented Dehumidification  
Active Moisture Removal





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**IP66**

**CE**



**RoHS**