



# Q-7

## RGBW LED flood blind strobe



### Description

The Q-7 defined a new level of power, accuracy, and flexibility in the lighting world, well-known as one of the most versatile strobe flood lights in the industry. Not only is it a stunningly bright audience blinder, it is also a low-profile flood light and a wide-angle wash luminaire. Its excellent performance in any conditions is the primary reason why some of the top lighting designers choose the Q-7 as their main light for touring, events, theatrical productions, architectural installs, or corporate shows. 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

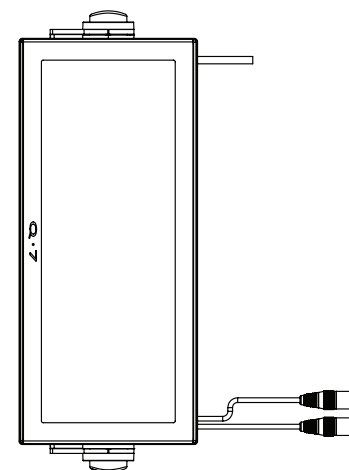
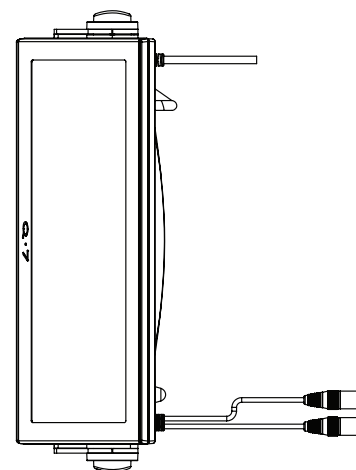
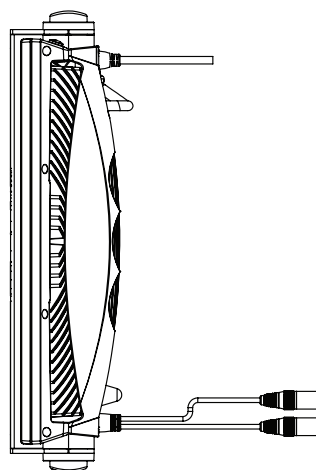
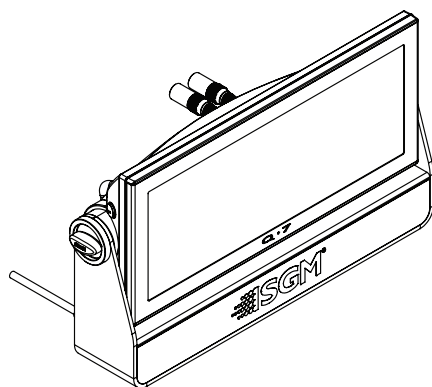
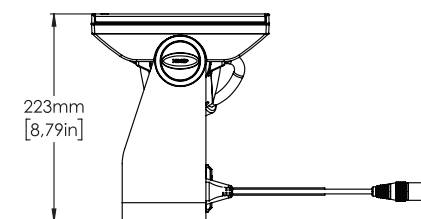
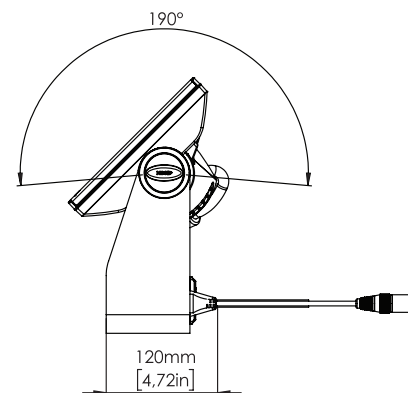
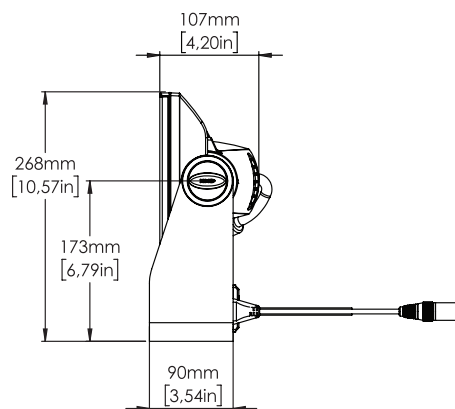
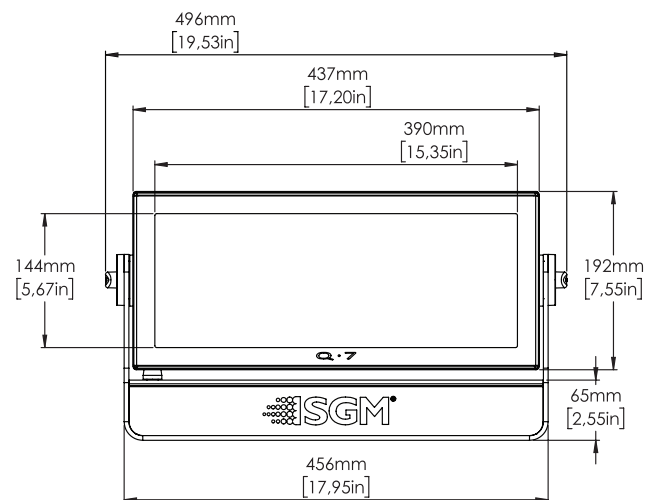
- ✓ High performance IP65 RGBW LED light source
- ✓ Powerful high-speed strobe / More than 25163 lumens
- ✓ Accurate 16bit dimming performance
- ✓ Flicker-free / Programmable scenes
- ✓ 110° wide-angle coverage
- ✓ DMX, RDM, and wireless control
- ✓ 2000K - 10000K CTC control
- ✓ Practically maintenance-free

### Certifications & classifications

IP65

RoHS

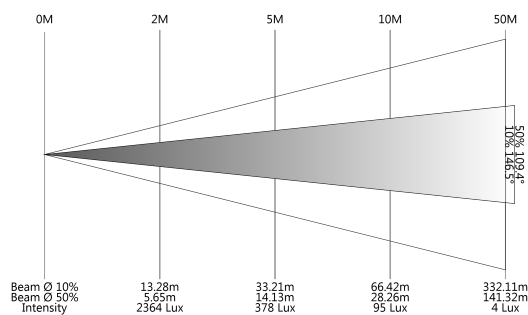




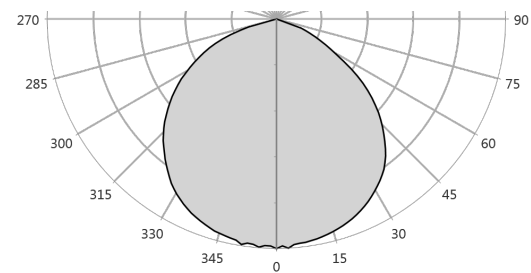
Manufacturer	SGM
Luminaire	Q-7 All on raw peak
Measurement Date	17-01-2018
Power Consumption	473 W
Light Output	25 163 lm
Field Angle	146.5 deg
Beam Angle	109.4 deg
Color Temperature	8 483 K



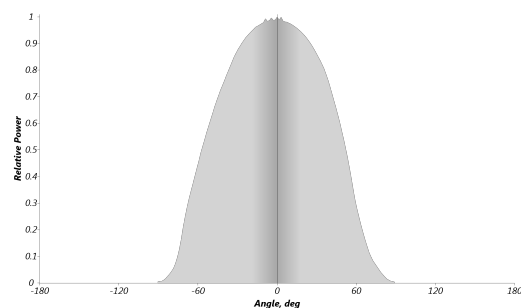
## Lux Diagram



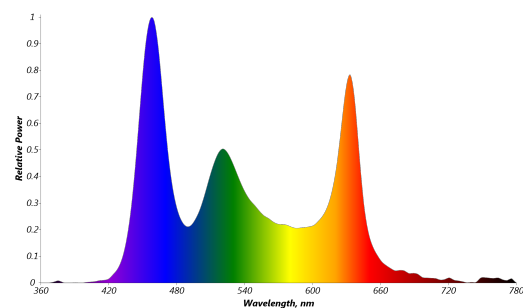
## Polar Distribution



## Beam Profile



## Spectral Distribution



## Specification

<b>Optical Data</b>	LED expected lifetime	50,000 hours
	Lightsources	2,000 x RGBW SMD LEDs (5,700K)
	Native lens options	110°
	Optional filters	Extra medium angle soft diffusion, Q, external Extra wide angle soft diffusion, Q, external Elliptical horizontal effect, Q, external Elliptical vertical effect, Q, external
<b>Photometric</b>	Average CRI (CTC)	84
	Color temperature range	2000K - 10000K
	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
	Lumen per kilogram	3107 lm / Kg
	Lux @ 10m	95 lux
	Lux @ 3m	1051 lux
	Lux @ 5m	378 lux
	Native beam angle(s)	110° (with 110° lens)
<b>Physical</b>	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Effective Projected Area	1.72 Square ft
	IP class	IP65
	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)
<b>Features</b>	Color calibration	SGM proprietary, full color calibration
	Dimming	2 Smooth fade in, DMX-controllable curves: gamma corrected, and linear
	Filters	Optional external spread angle filters (requires Accessory Holder)

	Other	LED frequency control, display selectable
	Strobe	Ultra-high-speed strobe effects Intensity, Duration, Rate and FX control channels
	Tilt	0 - 190°
<b>Electrical</b>	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	465 W
	Power factor	0.99 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	8 W
<b>Programming and Control</b>	16-bit control	Dimmer, Red, Green, Blue, White
	Cabled DMX	5 pin XLR input/output
	DMX channels	3, 4, 6, 8, 9 or 10
	DMX modes	7
	Protocol	USITT DMX512A Wireless DMX (LumenRadio) RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20 RFID Standalone mode
	Standalone mode	Quick Color Standalone mode programmable via RFID Up to 24 programmable scenes
	Wireless DMX	Lumen Radio with RDM
<b>Connections</b>	DMX data in/out	2 IP65 XLR 5-pin cables 0.5m (permanently wired)
	Power	Power cable 1 meter with bare ends (permanently wired)
<b>Installation</b>	Mounting point	2 x 2 quarter-turn locking points for one or two Omega brackets
	Orientation	Any
	Rigging possibilities	Floor stand (included) or hanging (Omega clamps included)
	Safety features	Bottom mount for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).

<b>Thermal</b>	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	1586.6 BTU per hour
	Total heat dissipation, standby	27.3 BTU per hour
<b>Included items</b>	Included items	Wireless DMX antenna Mounting bracket (incl. screws) 2 Omega bracket with quater-turn fasteners Safety instructions and installation quick guide
<b>Conforms To</b>	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
<b>Certified To</b>	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
<input type="checkbox"/>	Q-7 Color Flood, Std, BL	80030524
<input type="checkbox"/>	Q-7 Color Flood, Std, WH	80030561
<input type="checkbox"/>	Q-7 Color Flood, Std, CU	80030562
<input type="checkbox"/>		
	<b>Accessories</b>	<b>Item number</b>
<input type="checkbox"/>	BCC-2 Dual Bracket	83060603
<input type="checkbox"/>	BCC-4 Quad Bracket	83060604
<input type="checkbox"/>	Omega Bracket with 1/4-turn fasteners	83060602
<input type="checkbox"/>	4-way Barndoors for P·5, i·5, X·5, Q·7	83061120
<input type="checkbox"/>	8-way Barndoors for P·5, i·5, X·5, Q·7	83061121
<input type="checkbox"/>	Accessory Holder for X·5 & Q·7	83061123
<input type="checkbox"/>	Color Frame for P·5, Q·7, X·5, i·5	83061122
<input type="checkbox"/>	Floor Stand for P·5, X·5 & Q·7	83060610
<input type="checkbox"/>	Flight Case for 4 pcs of P·5/Q·7/X·5	82051501
<input type="checkbox"/>	Flight Case for 4 pcs of P·5/Q·7/X·5 incl. barndoors	82051502
<input type="checkbox"/>	SGM USB uploader cable	83062011
<input type="checkbox"/>	Vacuum Test Kit	83061136
<input type="checkbox"/>	A·4	80070217
<input type="checkbox"/>	RDM Addressing Tool	
<input type="checkbox"/>	Spigot adapter for omega bracket	83060639
<input type="checkbox"/>		



Headquarter +45 70 20 74 00

Mail [info@sgmlight.com](mailto:info@sgmlight.com)

Website [sgmlight.com](http://sgmlight.com)