Q·10

RGBW color LED flood blinder strobe

TruColor ™

ThermalDrive ™

DryTech ™

Description

The SGM Q-10 is a unique and extremely powerful all-in-one LED luminaire. It carries the functionalities of a strobe light, a flood light, a pixel light, and a blinder with a non-fading continuous output, making it the perfect multi-purpose LED fixture. It features a wide native beam angle that can be modified by using different barndoors accessories.
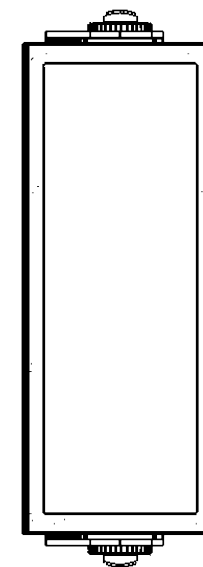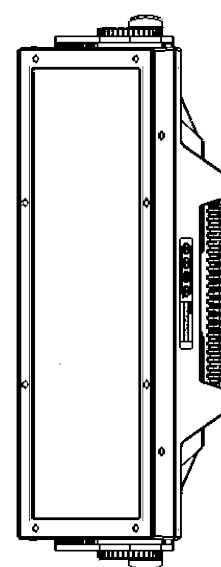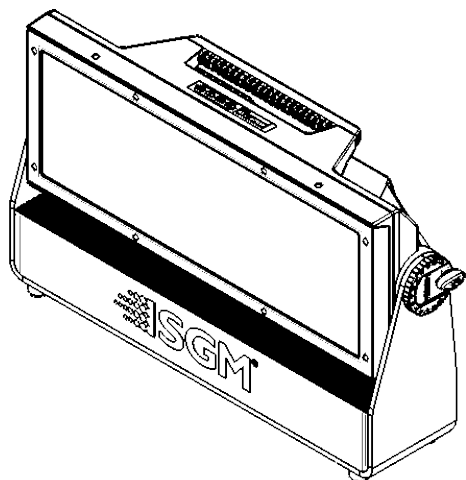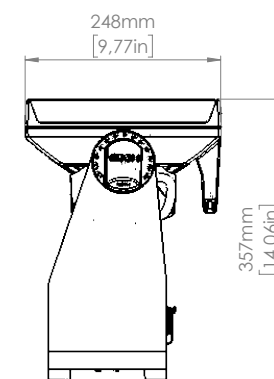
Features and benefits

✓ 59878 lumen 110º IP65-rated RGBW LED luminaire

✓ 2,048 RGB SMD LEDs and 2,048 white SMD LEDs with 8 individually controllable segments

✓ Powerful strobe effect with very fast feedback and wide coverage

✓ No color shifts / flicker-free operation

✓ CTC linear control from 2000K - 10000K

✓ 4-way and 8-way barndoors as accessories

✓ Practically maintenance-free

✓ User friendly display, wireless control, and integrated handle

Certifications & classifications

IP65

RoHS

CE

ECO FRIENDLY

ETL

703mm [27,66in]
623mm [24,51in]
569mm [22,41in]
248mm [9,77in]
193mm [7,60in]
120mm [4,70in]
Ø24mm [0,95in]
576mm [22,68in]
651mm [25,63in]

159mm [6,26in]
402mm [15,83in]
Ø24mm [0,95in]
122mm [4,80in]
161mm [6,35in]

240°

248mm [9,77in]
357mm [14,06in]
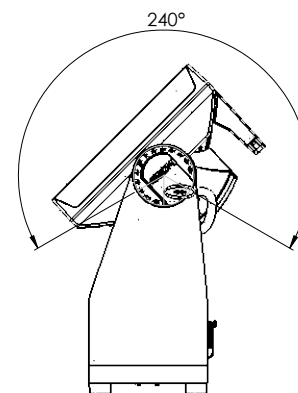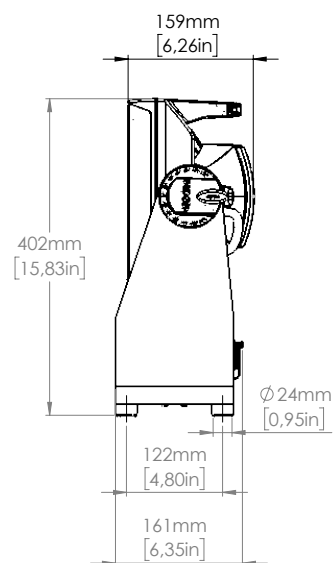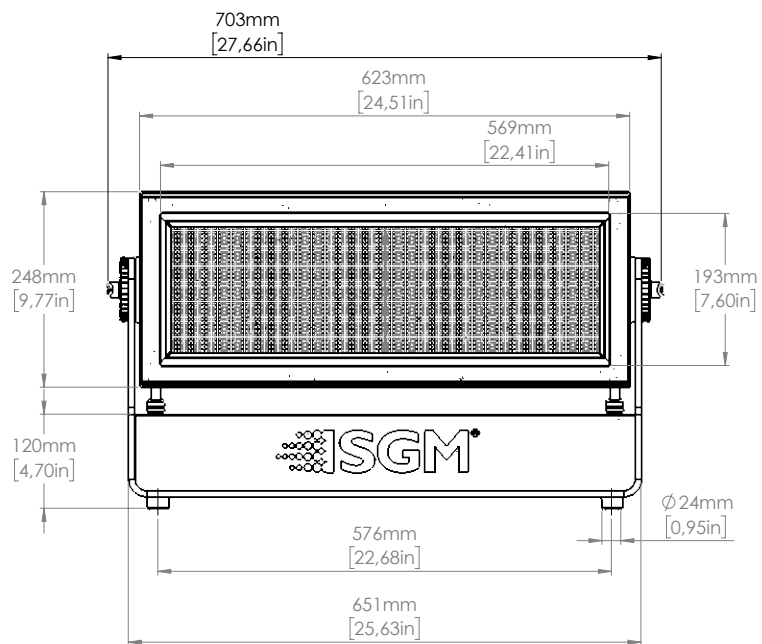
Specification

Optical Data

LED expected lifetime	50,000 hours
Lens	110° fixed
Lightsource	2,048 x RGB SMD LEDs & 2,048 x white SMD LEDs (5,700K)

Photometric

Beam angle(s)	105° (with 110° lens)
Color temperature range	2000K - 10000K
CRI typical	83
Efficacy	50 lm/W
Light output all LEDs on	59878 lm
Light output blue	2998 lm
Light output green	15951 lm
Light output red	5829 lm
Lux @ 10m	233 lux
Lux @ 3m	2593 lux
Lux @ 5m	934 lux
Maximum Field Angle	146 °

Physical

Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
Effective Projected Area	3.09 Square ft
IP class	IP65
Material	Aluminium PC/ASA Plastic Rubber Steel
Net dimensions	702 x 402 x 206 mm
Net dimensions inches	27.7 x 15.8 x 8.1 inches
Net weight	19.8 kg (43.7 lbs)

Features

Dehumidifier	Base / Head
Dimming	Electronic
LED panel	8 individually controllable segments
Strobe	Ultra-high-speed strobe effects
Tilt	0 - 190°
Tilt Locking System	Locking system with angle indicator

Electrical

AC power, max.	90 - 305V 50/60Hz

	AC Power, nominal	100 - 277V 50/60Hz
	Electrical Protection	Overload protection with automatic recover
	Max Inrush Current	110 A
	Max power consumption	1250 W
	Power factor	0.99 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	39 W
	Typical power consumption	1000 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue
	Cabled DMX	5 pin XLR input/output
	DMX channels	6, 8, 10, 27 or 30
	DMX modes	7
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20 Standalone mode
	Standalone mode	Quick Color Up to 24 programmable scenes
	Wireless DMX	Lumen Radio with RDM
Connections	DMX data in/out	IP65 XLR 5-pin connector, Female IP65 XLR 5-pin connector, Male
	Power	Power input connector & link-thru
Installation	Mounting point	3 x two quarter-turn locking points for two or three Omega Brackets
	Orientation	Any
	Rigging possibilities	Hanging (Omega Brackets included)
	Safety features	2 attachment points for safety wire Minimum distance to combutible 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	2 Omega bracket with quater-turn fasteners 2 m power cable Safety instructions and installation quick guide
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-10, Std, BL	80033100
☐	Q-10, Std, WH	80033110
☐	Q-10, Std, CU	80033120
☐		

Qty	Accessories	Item number
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	Power cable with IP connector	07860275
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	A·4	80070217
☐	Filter frame for P·10 - elliptical horizontal wide angle	83061158
☐	Filter frame for P·10 - elliptical vertical wide angle	83061159
☐	Filter frame for P·10 - medium angle	83061156
☐	Filter frame for P·10 - wide angle	83061157
☐	4-way Barndoors for P·10, Q·10	83061152
☐	RDM Addressing Tool	
☐	Filter frame for P·10 - optional filters	83061160
☐	Flight Case for 2 pcs of Q·10 incl. accessories	82051506
☐		