



S·4

Fresnel LED light



Description

The S-4 Fresnel is an accurate and fully calibrated LED light with superb color mixing and very low power consumption; ideal for the broadcast, theatrical, and stage industry, where high quality lighting is essential. The S-4 Fresnel comprises red, green, blue, amber, and mint LEDs that mix directly in the light source. The optical system is designed to deliver not only a staggering output but also a perfect color mix with a completely even field.

Features and benefits

- ✓ High-power IP65 RGBAM LED Fresnel Luminaire
- ✓ 9° to 76° motorized zoom, RDM control, and manual operation via 4 knobs
- ✓ High TLCI / CRI / CQS, Congo Blue enhancer, and +/- Green
- ✓ Lightweight, compact size, and easy-installable accessories
- ✓ 2000K - 10000K CTC control, CRI > 92, TLCI > 90, CQS > 91, Rf > 89
- ✓ Interchangeable lenses, 4-way barndoors, and magnetic Top Hat
- ✓ Practically maintenance-free and silent performance
- ✓ No color shifts or hotspots / flicker-free / color filter emulation

Certifications & classifications

IP65

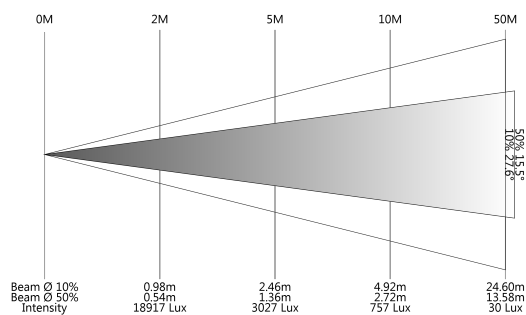
RoHS



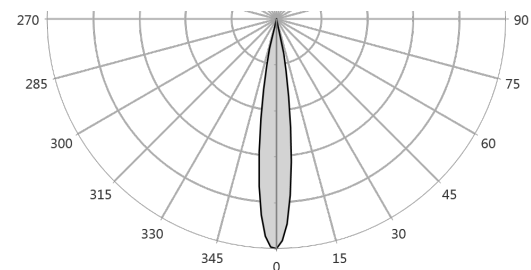
Manufacturer	SGM
Luminaire	G-4 Wash med 15deg All on raw peak
Measurement Date	25-09-2017
Power Consumption	197 W
Light Output	6 737 lm
Field Angle	27.6 deg
Beam Angle	15.5 deg
CRI	90
Color Temperature	6 965 K



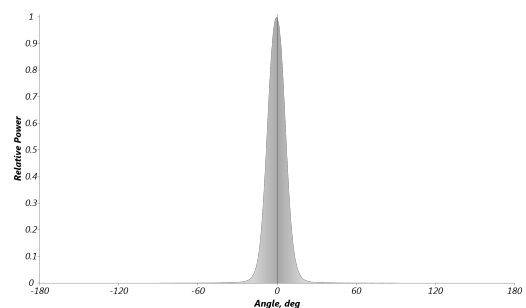
Lux Diagram



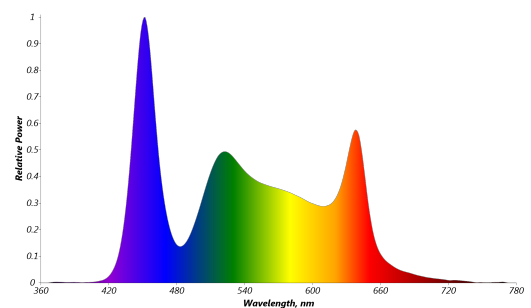
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	Fresnel lens diameter	112 mm
	LED expected lifetime	50,000 hours
	Lightsource	5 color 150 W
	Zoom	Motorized
	Zoom range	9° to 76°
Photometric	Average CQS (CTC)	91
	Average CRI (CTC)	92
	Average RF / TM-30-15 (CTC)	89
	Average TLCI (CTC)	90
	Color temperature range	2000K - 10000K
	Efficacy	37 lm/W
	Light output all LEDs on	7265 lm
	Light output blue	264 lm
	Light output green	1103 lm
	Light output red	524 lm
	Lumen per kilogram	1045 lm / Kg
	Lux @ 10m	757 lux
	Lux @ 3m	7720 lux
	Lux @ 5m	3027 lux
	Max. CRI @ 3200K	94
	Max. CRI @ 5600K	92
	Max. TLCI @ 3200K	87
	Max. TLCI @ 5600K	93
	Maximum beam angle	52 °
	Maximum field angle	78 °
	Minimum beam Angle	9 °
	Minimum field angle	20 °
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	IP class	IP65
	Lens material	Tempered glass front
	Material	Aluminium PC/ASA Plastic Rubber Steel
	Net dimensions	147 x 422 x 210 mm
	Net dimensions inches	5.8 x 16.6 x 8.3 inches

	Net weight	6.95 kg (15.3 lbs)
Features	Color calibration	SGM proprietary, full color calibration
	Dehumidifier	Base / Head
	Dimming	Smooth fade in, gamma corrected curve
	Emulation mode / effect	Color Filter Emulation
	Strobe	Ultra-high-speed strobe effects
	Tilt	240°
	Tilt locking system	Locking system with angle indicator
Electrical	Electrical protection	Overload protection with automatic recover
	Input voltage, absolute max. rating	90 - 264 VAC; 50 / 60 Hz
	Input voltage, nominal	100 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	40 A
	Max power consumption	190 W
	Power factor	0.92 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	10 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White
	Cabled DMX	5 pin XLR input/output
	DMX channels	13
	DMX modes	1
	Manual control via 4 knobs	Mode 1: Intensity, hue, saturation, zoom Mode 2: Intensity, CTC, plus/minus green, zoom Mode 3: Red, Green, Blue, zoom
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20
	Setting and addressing	Control panel OLED graphical display / 4 buttons Standalone mode
	Standalone mode	Quick Color 8 Internal Standalone Programs
	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	2 quarter-turn locking points for one Omega bracket 28mm Spigot
	Orientation	Any
	Rigging possibilities	Hanging (Omega Brackets included)
	Safety features	2 attachment points 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	648.3 BTU per hour
	Total heat dissipation, standby	34.1 BTU per hour
Included items	Included items	2 m IP66 power cable pigtail 1 Omega bracket with quarter-turn fasteners 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

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.

Ordering information

Qty	Product name	Item number
☐	S-4 Fresnel C, Std, BL w/ wireless	80111003
☐	S-4 Fresnel C, Std, WH	80111102
☐	S-4 Fresnel C, STtd, CU	80111103
☐		
	Accessories	Item number
☐	S-4 Micro-Fresnel Front Lens Kit	83061410
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	Power cable with IP connector	07860275
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	G-4 / S-4 Top Hat	83061150
☐	A-4	80070217
☐	4-way Barndoors for S-4 Fresnel	83061153
☐	4-way Motorized Barndoors for G-4, S-4	83061166
☐	RDM Addressing Tool	
☐	8-way Barndoors for S-4 Fresnel	83061154
☐	Spigot adapter for omega bracket	83060639
☐	Chimera lightbank for S-4 Fresnel	83061095
☐		



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