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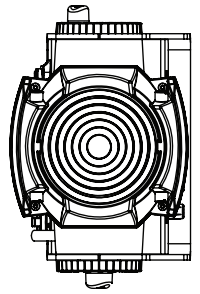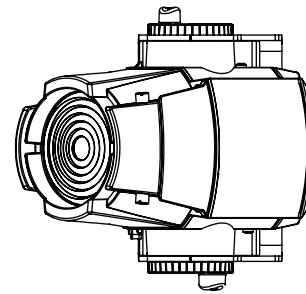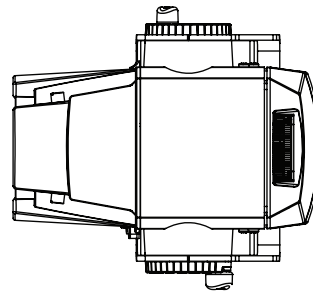- ✓ No color shifts or hotspots / flicker-free / color filter emulation
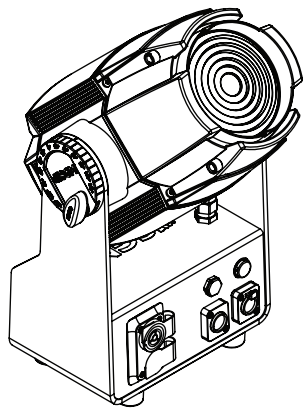
Certifications & classifications

IP65   RoHS   C E   ETL PENDING   ECO FRIENDLY

Ø107mm
[4,21in]

283mm
[11,14in]

163mm
[6,40in]

220°

342mm
[13,46in]

260mm
[10,22in]

422mm
[16,61in]

Ø24mm
[0,95in]

133mm
[5,24in]

210mm
[8,27in]

101mm
[3,98in]

147mm
[5,79in]
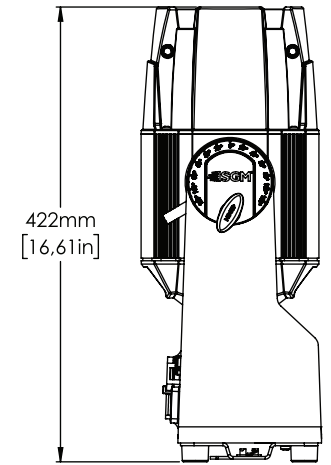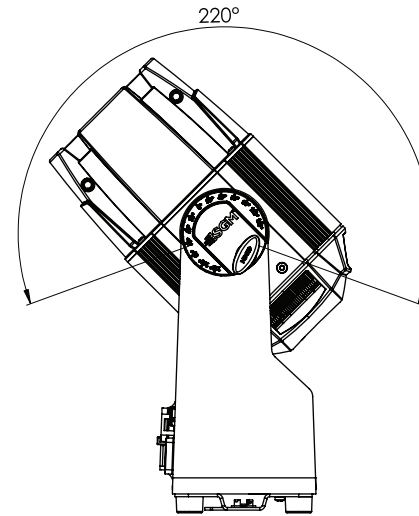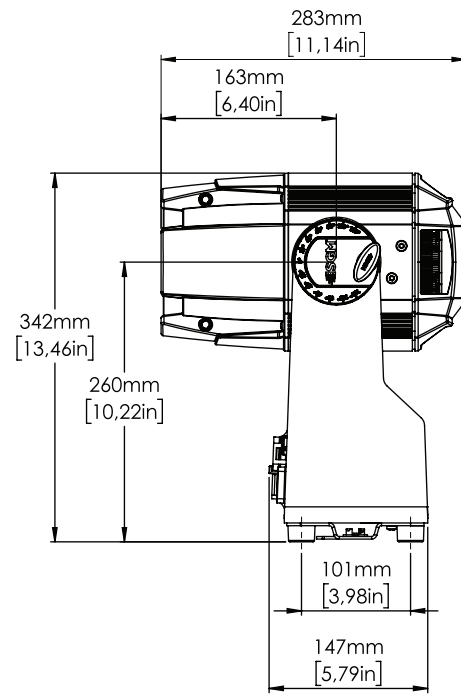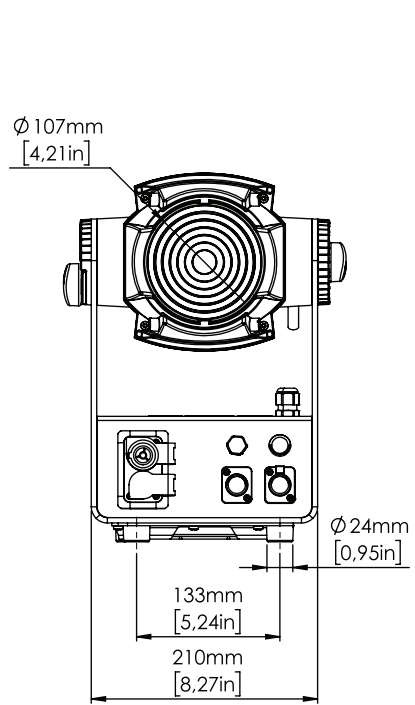
Specification

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

Color temperature range	2000K - 10000K
CQS typical	91
CRI @ 3200K	94
CRI @ 5600K	92
CRI typical	92
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
Lux @ 10m	757 lux
Lux @ 3m	7720 lux
Lux @ 5m	3027 lux
Maximum Beam Angle	52 °
Maximum Field Angle	78 °
Minimum Beam Angle	9 °
Minimum Field Angle	20 °
RF typical (TM-30-15)	89
TLCI @ 3200K	87
TLCI @ 5600K	93
TLCI typical	90

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	Dehumidifier	Base / Head
	Dimming	Electronic
	Emulation mode / effect	Color Filter Emulation
	Strobe	Ultra-high-speed strobe effects
	Tilt	240°
	Tilt Locking System	Locking system with angle indicator
Electrical	AC power, max.	90 - 264V 50/60Hz
	AC Power, nominal	100 - 240V 50/60Hz
	Electrical Protection	Overload protection with automatic recover
	Max Inrush Current	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
	Typical power consumption	150 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue
	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 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 m power cable 1 Omega bracket with quater-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.

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
☐	S-4 Fresnel C, Std, BL w/ wireless	80111003
☐		

Qty	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 Wash/S·4 Fresnel 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
☐		