

LIGHTING

Product Information | September 2016



S120-C

SkyPanel is a compact, ultra-bright and high-quality LED soft light that sets a new standard for the industry. With a design focused on form, color, beam field and output, SkyPanel represents the culmination of more than a decade of research and development of LED technology at ARRI.

SkyPanel is available in three sizes: the S120, the S60 and S30. The S120 is twice as long as the S60, but weighs nearly the same. Its larger light aperture makes a great soft light even better. Retaining the same features and color tuneability as its smaller counterparts, the S120 consumes less than 400 watts, yet it is slightly brighter than the S60-C and has an outstanding efficacy of 90 lumens per watt. The S60 is a mid-range model, featuring a light aperture of 645 x 300 mm and accommodating the vast majority of applications. The S30 is a smaller, more portable version; half the length of the S60, it is perfect for on-the-go mobile applications. The S60 and the S30 are available in fully color tuneable and remote phosphor versions.



Incorporating features of ARRI's successful L-Series LED Fresnels, SkyPanel is one of the most versatile soft lights on the market, as well as one of the brightest. Like the L-Series, SkyPanel 'C' (Color) versions are fully tuneable; correlated color temperature is adjustable between 2,800 K and 10,000 K, with excellent color rendition over the entire range. Full plus and minus green correction can be achieved with the simple turn of a knob, and in addition to CCT control, vivid color selection and saturation adjustment is also possible.

Unlike other tuneable fixtures, SkyPanel makes no sacrifice when it comes to light output. SkyPanel puts out a tremendous amount of light, in a soft and uniform beam field. Brighter than a 2 kW tungsten soft light or a 6 kW tungsten space light, the SkyPanel S120 has more than enough light for most applications. At the same time, the lamphead is able to perform beautifully at lower light levels. This range of illumination and color gives users an unprecedented amount of control.

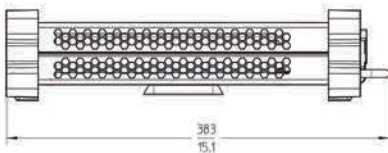
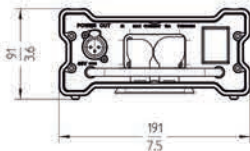
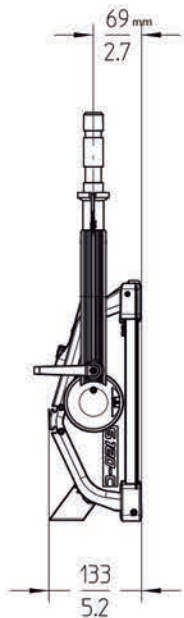
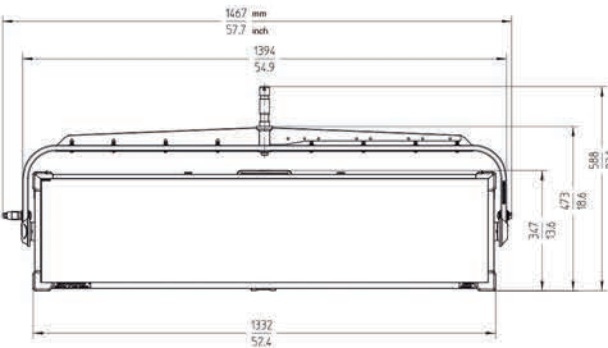
Made in Germany to the high standards for which all ARRI products are known, SkyPanel is built to last – constructed from resilient materials and assembled by hand with great care. Other features include an on-board battery input for mobile applications, LAN port for network connectivity, USB-A port for firmware updates via thumb drive, and many more.

Photometric Data (preliminary)

	3 m / 9.8 ft		5 m / 16.4 ft		7 m / 23.0 ft		9 m / 29.5 ft	
	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K
S120-C	1356 lx	1244 lx	488 lx	448 lx	249 lx	229 lx	151 lx	138 lx
S120-C with Standard Diffusion	126 fc	116 fc	45 fc	42 fc	23 fc	21 fc	14 fc	13 fc
S120-C with Lite Diffusion	1433 lx	1311 lx	516 lx	472 lx	263 lx	241 lx	159 lx	146 lx
S120-C with Heavy Diffusion	133 fc	122 fc	48 fc	44 fc	24 fc	22 fc	15 fc	14 fc
S120-C with Intensifier	1.111 lx	1.022 lx	400 lx	368 lx	204 lx	188 lx	123 lx	114 lx
	103 fc	95 fc	37 fc	34 fc	19 fc	17 fc	11 fc	11 fc
	2.133 lx	1944 lx	768 lx	700 lx	392 lx	357 lx	237 lx	216 lx
	198 fc	181 fc	71 fc	65 fc	36 fc	33 fc	22 fc	20 fc

Order No. | Description

L0.0012956	S120-C Manual, Blue/Silver, 3m DC Cable, S60/S120 PSU, PSU Rail Mount, Standard Diffusion Panel, Edison powerCon
L0.0012954	S120-C Manual, Blue/Silver, 3m DC Cable, S60/S120 PSU, PSU Rail Mount, Standard Diffusion Panel, Schuko powerCon
L0.0012957	S120-C Manual, Blue/Silver, 3m DC Cable, S60/S120 PSU, PSU Rail Mount, Standard Diffusion Panel, Chinese powerCon
L0.0012955	S120-C Manual, Blue/Silver, 3m DC Cable, S60/S120 PSU, PSU Rail Mount, Standard Diffusion Panel, Japanese powerCon
L0.0012950	S120-C Center Mount, Blue/Silver, 3m DC Cable, S60/S120 PSU, Standard Diffusion Panel, Edison powerCon
L0.0012948	S120-C Center Mount, Blue/Silver, 3m DC Cable, S60/S120 PSU, Standard Diffusion Panel, Schuko powerCon
L0.0012951	S120-C Center Mount, Blue/Silver, 3m DC Cable, S60/S120 PSU, Standard Diffusion Panel, Chinese powerCon
L0.0012949	S120-C Center Mount, Blue/Silver, 3m DC Cable, S60/S120 PSU, Standard Diffusion Panel, Japanese powerCon
L0.0012953	S120-C Pole Op, Blue/Silver, 1m DC Cable, S60/S120 PSU, PSU Rail Mount, Standard Diffusion Panel, Bare Ends powerCon
L0.0012952	S120-C Pole Op, Black, 1m DC Cable, S60/S120 PSU, PSU Rail Mount, Standard Diffusion Panel, Bare Ends powerCon



Specifications

Lamphead	
Optical System	Soft Diffusion Panel
Light Aperture	1290 x 300 mm / (50.8 x 11.8 inches)
Beam Angle	110° (Half Peak Angle)
Weight	Center Mount: 13.7 kg (30.2 lbs) Manual Version: 16 kg (35.3 lbs) Pole Op Version: 19.6 kg (43.2 lbs)
Handling	Aluminum Yoke, High Strength Tilt Lock, Pole Operation Option (Pan & Tilt)
Mounting	28 mm Spigot (Junior Pin)
Tilt Angle	+/- 90°
Lamphead Voltage Input	48 V =
Power Consumption	400 W Nominal, 430 W Maximum
Lamphead Power Connection	Male 3-Pin XLR to 15 amp (Pin 1: Negative / Pin 2: Positive)
Battery Connector	Male 4-Pin XLR to 10 Amp (Pin 1: Negative / Pin 4: Positive)
Battery DC Voltage Range	23 to 36 V =
Battery Mode Light Output	50% of total output
White Light	2,800 K to 10,000 K continuously variable correlated color temperature
Colored Light	Full RGB+W color gamut with Hue and Saturation control
Color Temperature Tolerance	+/- 100 K (nominal), +/- 1/8 Green-Magenta (nominal)
Color Rendition	CRI Average > 95 TLCI Average > 90
Green-Magenta Adjustment	continuously adjustable (Full Minusgreen to Full Plusgreen)
Dimming	0 to 100% continuous
Control	On-Board Controller, 5-Pin DMX In and Through, EtherCon LAN network connectivity, USB-A, Art-Net
Remote Device Management (RDM)	DMX Setup, Hour Counter and Standard RDM commands
Software Interface	Ethernet: DMX Setup, Fixture Status and Firmware Upgrade through PC, Mac USB-A: Software Upgrade via flash drive
Housing Color	Blue/Silver, Black
Ambient Temperature Operation	-20 to +45° C (-4 to +113° F)
IP Rating	IP 20
Estimated LED Lifetime (L70)	50,000 hours
Estimated Color Shift Over Lifetime (CCT)	+/- 5%
Certifications	CE, FCC; ENEC, cNRTLus, CB

Power Supply Unit	
Power Supply Input Range	110 to 240 V ~, 50/60 Hz
Power Supply Output Range	48 V =
Power Input Connection	powerCON TRUE1 (Bare Ends / Schuko / Edison cables available)
Power Output Connection	Female 3-Pin XLR to 10 Amp (Pin 1: Negative / Pin 2: Positive) powerCON TRUE1 (mains power through)
Weight	3.5 kg (7.7 lbs)
Dimensions	383 x 192 x 90 mm (15 x 7.6 x 3.5 inch)
Control	On-Board On/Off Switch
Mounting	Super Clamp Attachment / SkyPanel PSU Rail Mount

All specifications are nominal / typical values.

SKYPANEL
SOFT LIGHTING | REDEFINED