

SKYPANEL LAMPHEADS

TECHNICAL DATA



SkyPanel Version	SkyPanel X21	SkyPanel S60 Pro	SkyPanel S60-C
		<i>Preliminary Data</i>	<i>Discontinuation in September 2024</i>
Type of Lamphead	LED Native Hard and Native Soft Light	LED Soft Light	LED Soft Light
Optical System	Swappable Optics and Diffusion Panels	Swappable Diffusion Panels	Swappable Diffusion Panels
Light Aperture	648 x 303 mm / 25.5 x 11.9"	approx. 645 x 300 mm / 25.4 x 11.8"	645 x 300 mm / 25.4 x 11.8"
Beam Angle	11° (Hard) 107° (Soft) 121° (Open-Face)	103° (with Standard Diffusion)	105° (with Standard Diffusion)
LED Light Engine	RGBACL	RGBW	RGBW
White Light	1,500 K to 20,000 K Continuously Variable CCT with Full +/- Green	2,800 K to 10,000 K Continuously Variable CCT with Full +/- Green	2,800 K to 10,000 K Continuously Variable CCT with Full +/- Green
Color Modes	CCT, HSI, RGBW, RGBACL, Effects, xy, Gel, Source Matching	CCT, HSI, RGBW, Effects, xy, Gel, Source Matching	CCT, HSI, RGBW, Effects, xy, Gel, Source Matching
Pixel Zones	8	4	2
Color Rendition	CRI 90 min. / 99 max. TLCI average 93 TM30Rf average 96	CRI average >95 TLCI average >90 TM30Rf average >91	CRI average >95 TLCI average >90 TM30Rf average >91
Camera Sensor Matching	Yes, via ARRI ALEXA Mode	Yes, via ARRI ALEXA Mode	No
Dimming	0 to 100 % Continuous High Resolution Low End Dimming	0 to 100 % Continuous High Resolution Low End Dimming	0 to 100 % Continuous with Low End Mode and Stage Mode
Accessory Compatibility	All SkyPanel X accessories, plus all Classic SkyPanel S60-C front accessories.	All Classic SkyPanel S60-C front and mounting accessories.	All Classic SkyPanel S60-C accessories.
Mechanical			
Versions	Manual Pole Operated Modular X22 & X23	Manual Pole Operated	Manual Pole Operated
Handling	Aluminum Yoke with High-Strength Tilt Lock Steel Yoke for Pole Operation (Pan, Tilt) Modular Frames and Yokes for X22 and X23 Twin Quick-Lock brackets for multi-unit setups	Aluminum Yoke with High-Strength Tilt Lock Steel Yoke for Pole Operation (Pan, Tilt) Rail for Fixed and Center Mount Yokes	Aluminum Yoke with High-Strength Tilt Lock Steel Yoke for Pole Operation (Pan, Tilt) Rail for Fixed and Center Mount Yokes
Mounting	28 mm spigot (Junior Pin)	28 mm spigot (Junior Pin)	28 mm spigot (Junior Pin)
Housing Colors	Blue/Silver, Black	Blue/Silver, Black	Blue/Silver, Black
Tilt Angle	+/- 90°	+/- 90°	+/- 90°
Weight with Manual Yoke	approx. 18 kg / 39.7 lbs (Internal PSU)	approx. 15 kg / 33.1 lbs (Internal PSU)	approx. 12.6 kg / 27.8 lbs (without PSU) approx. 16.6 kg / 35.5 lbs (with PSU)
Control Options			
On-Board Control	Removable ALL-WEATHER Control Panel	On-Board Control Panel on Bottom of Fixture	On-Board Control Panel on Top of Fixture
Wired Control	5-Pin DMX/RDM In and Through 2x LAN/EtherCon for Art-Net, sACN, HTTP Control Panel via cable and USB-C port	5-Pin DMX/RDM In and Through 2x LAN/EtherCon for Art-Net, sACN, HTTP. Data Continues to Pass While Fixture is Powered Off.	5-Pin DMX/RDM In and Through 1x LAN/EtherCon for Art-Net, sACN, HTTP Remote Control via cable & USB-A port
Built-in Wireless Control	Yes, via CRMX & Bluetooth	Yes, via CRMX & Bluetooth	Not Built-in
Software Interface	LAN/EtherCon and USB-C	LAN/EtherCon and USB-C	LAN/EtherCon and USB-A
Digital Twin Available	Yes	Yes	Yes
CloudIO Remote Maintenance Tool	Yes	Yes	No
Software	LiOS	LiOS	Classic SkyPanel Firmware
Electrical (Lamphead)			
Power Supply	Internal	Internal	External
Power Consumption	800 W Maximum	500 W Maximum	400 W Maximum
AC Voltage Range	100 - 240 V~, 50/60 Hz	110 - 240 V~, 50/60 Hz	100 - 240 V~, 50/60 Hz (Via External PSU)
AC Power Connection	In and Through, PowerCON® TRUE1 TOP Compatible	In and Through, PowerCON® TRUE1 TOP Compatible	In and Through, PowerCON® TRUE1 TOP Compatible (Via External PSU)
DC Voltage Range	48 to 52 V~ (100% Output)	48 to 52 V~ (100% Output)	48 V~ (100% Output) 23 to 36 V~ (50% Battery Output)
DC Power Connector	3-Pin XLR (Pin 1: Negative, Pin 2: Positive)	3-Pin XLR (Pin 1: Negative, Pin 2: Positive)	3-Pin XLR (Pin 1: Negative, Pin 2: Positive) 4-Pin XLR (Pin 1: Negative, Pin 4: Positive)
Protection Class / IP Rating	I / IP66	I / IP20	I / IP20
Ambient Temperature Operation	-20°C to +40°C / -4°F to +104°F	-20 to +45 °C / -4 to +113° F	-20 to +45 °C / -4 to +113° F
Estimated LED Lifetime (L70)	50,000 Hours	40,000 Hours	50,000 Hours
Estimated Color Shift Over Life-time (CCT)	+/- 5%	+/- 5%	+/- 5%
Certifications and Declarations of Conformity	CE, UKCA, CB, ENEC, cNRTLus, FCC, PSE & more	CE, CB, ENEC, cNRTLus, FCC, PSE & more	CE, UKCA, CB, ENEC, cNRTLus, FCC, PSE
Photometric Data - Soft Light			
5 m / 16.4 ft	with S60 Adapter and Standard Diffusion (101°) HiCRI Mode	with Standard Diffusion (103°)	with Standard Diffusion (105°)
3200 K	476 lux / 44 fc	600 lux / 55 fc	470 lux / 44 fc
5600 K	492 lux / 46 fc	635 lux / 60 fc	553 lux / 51 fc
Photometric Data - Hard Light			
10 m / 32.8 ft	HyPer Optic (10°) HiCRI Mode	N/A	N/A
3200 K	4020 lux / 373 fc		
5600 K	4130 lux / 384 fc		

All specifications are nominal / typical values.
Preliminary data for S60 Pro.



Please visit our website for the latest downloads and to find more information about the ARRI SkyPanel: www.arri.com



September 2024 - Design and specifications are subject to change without notice.