



SKYPANEL X

SOFT | MODULAR | HARD

Available in three size configurations (X21, X22, and X23), the modular SkyPanel X offers native soft and native hard light technology, setting a new bar not only in terms of dimming and color science, but also in output and beam quality for medium to long throws. With up to 4,800 lux at 10 m / 32.8 ft and eight pixels per unit; dynamic CCT range of 1,500 K – 20,000 K; six-color full-spectrum color engine; wireless control; integrated power supply; advanced networking possibilities; and an IP66 rating, the SkyPanel X is an all-weather lighting solution tailored to established workflows.

Photometrics

X21 with HyPer Optic		1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	(High Output)
	11°	22,000 lumen				5,600 K
		480,000 lx / 44,600 fc	53,300 lx / 4,960 fc	13,300 lx / 1,240 fc	4,800 lx / 446 fc	
		464,600 lx / 43,200 fc	51,600 lx / 4,800 fc	12,900 lx / 1,200 fc	4,650 lx / 432 fc	3,200 K
	21,100 lumen					
X21 Open-Face						(High Output)
	121°	48,000 lumen				5,600 K
		15,300 lx / 1,420 fc	1,700 lx / 158 fc	425 lx / 39 fc	153 lx / 14 fc	
		14,900 lx / 1,380 fc	1,660 lx / 153 fc	414 lx / 38 fc	149 lx / 14 fc	3,200 K
	46,000 lumen					
X21 with X21 Dome						(High Output)
	107°	42,700 lumen				5,600 K
		13,900 lx / 1,280 fc	1,530 lx / 142 fc	383 lx / 36 fc	138 lx / 13 fc	
		13,300 lx / 1,240 fc	1,480 lx / 138 fc	369 lx / 34 fc	133 lx / 12 fc	3,200 K
	40,900 lumen					
X21 with S60 Adapter*						(High Output)
	101°	35,400 lumen				5,600 K
		14,300 lx / 1,330 fc	1,590 lx / 148 fc	397 lx / 37 fc	143 lx / 13 fc	
		13,700 lx / 1,270 fc	1,520 lx / 141 fc	381 lx / 35 fc	137 lx / 13 fc	3,200 K
	33,900 lumen					

*with standard diffuser

*with standard diffuser

Main Features

- LED panel with native soft and native hard light, open-face lighting for bouncing purposes, and several modular configurations
- IP66 all-weather professional lighting solution
- Excelling in color rendition, dimming, and beam quality
- Dynamic CCT range of 1,500 K - 20,000 K
- RGBACL full-spectrum color engine
- Up to 24 pixels (8 for X21, 16 for X22, 24 for X23)
- Integrated PSU and built-in wireless control

Specifications



		X21	X22	X23
Power		800 W	1,600 W	2,400 W
Format size		2 : 1 (horizontal)	2 : 2 (square)	3 : 2 (vertical)
Light engines		4	8	12
Pixel zones		8 max.	16 max.	24 max.
Max. output (lux)		4,800 Lux @ 10 m, 5,600 K (native hard)	9,600 Lux @ 10 m, 5,600 K (native hard)	14,400 Lux @ 10 m, 5,600 K (native hard)
Max. output (lumen)		51,809 Lumen (native open-face)	103,618 Lumen (native open-face)	155,427 Lumen (native open-face)
Included items		1x X21 Dome	2x X21 Dome	3x X21 Dome
Connectors		■ 2x AC (In and Through), max. 20 A, TRUE1 TOP ■ 1x DC (In) 48 V for battery use ■ 2x DMX (In and Out), XLR-5pin ■ 2x LAN / Ethernet, RJ45, EtherCON compatible ■ 1x USB type C ■ 1x LEMO for ALL-WEATHER Control Panel	■ 4x AC (In and Through), max. 20 A, TRUE1 TOP ■ 2x DC (In) 48 V for battery use ■ 4x DMX (In and Out), XLR-5pin ■ 4x LAN / Ethernet, RJ45, EtherCON compatible ■ 2x USB type C ■ 2x LEMO for ALL-WEATHER Control Panel	■ 6x AC (In and Through), max. 20 A, TRUE1 TOP ■ 3x DC (In) 48 V for battery use ■ 6x DMX (In and Out), XLR-5pin ■ 6x LAN / Ethernet, RJ45, EtherCON compatible ■ 3x USB type C ■ 3x LEMO for ALL-WEATHER Control Panel
Rigging System		■ Manual Yoke, bent, Quick-Release, 28 mm spigot ■ P.O. Yoke, Quick-Release, 28 mm spigot ■ Twin Quick-Lock bracket for multi-unit setups	■ X Modular frames for X22, Quick-Release ■ X Modular System for X22 & X23, Quick-Release, 28 mm spigot ■ Twin Quick-Lock bracket for multi-unit setups	■ X Modular frames for X23, Quick-Release ■ X Modular System for X22 & X23, Quick-Release, 28 mm spigot ■ Twin Quick-Lock bracket for multi-unit setups
Dimensions	Fixture only: with MAN yoke: with PQ yoke:	738 x 339 x 154 mm / 29.1 x 13.3 x 6.1 in 875 x 588 x 170 mm / 34.4 x 23.2 x 6.7 in 842 x 622 x 155 mm / 33.2 x 24.5 x 6.1 in	738 x 668 x 154 mm / 29.1 x 26.2 x 6.1 in 1128 x 1089 x 290 mm / 44.4 x 42.9 x 11.4 in n.a.	738 x 1,002 x 154 mm / 29.1 x 39.4 x 6.1 in 1128 x 1414 x 290 mm / 44.4 x 55.7 x 11.4 in n.a.
Weight	Fixture only: with MAN yoke: with PQ yoke:	approx. 15 kg / 33 lbs approx. 18 kg / 39.7 lbs approx. 18,5 kg / 40.8 lbs	approx. 30 kg / 66.1 lbs approx. 38 kg / 83.8 lbs n.a.	approx. 45 kg / 99.2 lbs approx. 54 kg / 119.1 lbs n.a.
AC voltage		100 - 240 V~, 50/60Hz		
PSU		Integrated		
LED engine		Full Spectrum, 6-color RGBACL LED		
Native quality		Hard (HyPer Optic), soft (X21 Dome or S60 Adapter), open-face		
CCT range		1,500 K - 20,000 K		
CRI		90 min. / 99 max. (High CRI VariFan mode)		
TLCI		93 typical (High CRI VariFan mode)		
Camera sensor matching		Yes, via ARRI ALEXA Mode		
Dimming performance		Flicker free, High-res low end dimming		
Native beam angle		11° (hard), 107° (soft), 121° (open-face)		
Diffuser options		X21 Dome, Beam Enhancer filter, S60-C diffusers		
Accessory compatibility		All SkyPanel S60-C front accessories via S60 Adapter		
Type of display		Removable ALL-WEATHER Control Panel with LiOS3		
Operational modes		Standard (low noise), High Output, High CRI VariFan, ARRI ALEXA		
Color modes		CCT, HSI, RGBW, RGBACL, Effects, XY, Gel, Source Matching		
DMX presets		Yes, via ALL-WEATHER Control Panel, RDM and DMX-512A		
Legacy DMX modes		Compatible with S60-C mode 1 and 6		
Multi-array setup		Yes (up to 3 units in just one single DMX profile)		
IP-rating		IP66 (High-pressure jet cleaning, rain, heavy storms, high humidity)		
Cooling system		Passive + Active cooling system with double heat sink		
Integrated wired control		DMX-512A, RDM, Art-Net 4, sACN LAN (Web-control, ALSM, mDNS Bonjour, PTP, NTP)		
Integrated wireless control		CRMX Classic, CRMX2, W-DMX G3 / G4 / G4S / G5, BLE, Native Bluetooth 5.0		
Daisy-chain modularity		Yes, via TRUE1 TOP (power) and EtherCON / RJ45 (data)		
Pre-programmed effects		15 Pixel Macros, 15 effects		
Warranty		3 years		
Ambient temperature		-20°C to +40°C / -4°F to +104°F (during operation)		
Certifications		CE, UKCA, CB, ENEC, cNRTLus, FCC, ICES, KC, TRA, ETA, ENACOM, RCM, R-NZ, NBRC, NTC, IFT, PSE		

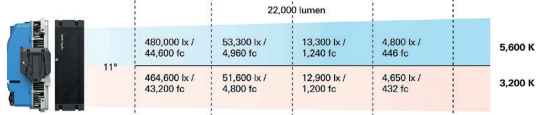
All specifications are typical values.

Photometrics

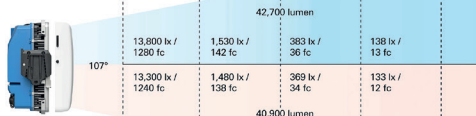
Download the ARRI Photometrics App or check [ARRI.com/SkyPanelX](https://www.ari.com/SkyPanelX) for more detailed photometric performance data of the SkyPanel X.



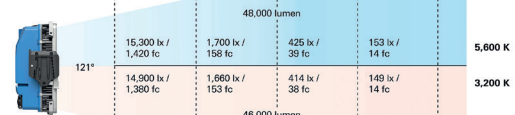
X21 with HyPer Optic 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



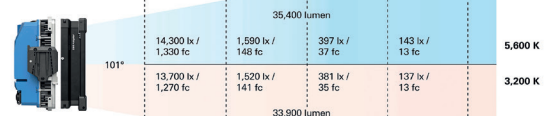
X21 with X21 Dome 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



X21 Open-Face 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)

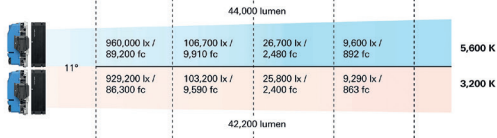


X21 with S60 Adapter* 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)

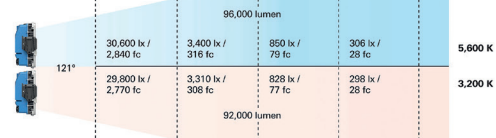


*with standard diffuser

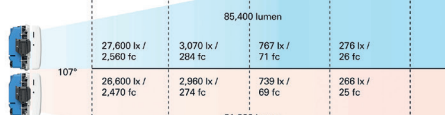
X22 with two HyPer Optics 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



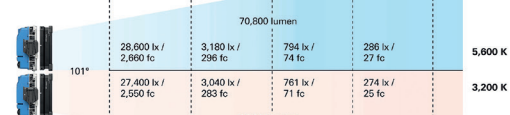
X22 Open-Face 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



X22 with two X21 Domes 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)

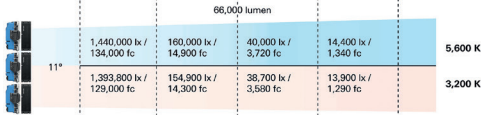


X22 with two S60 Adapters* 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)

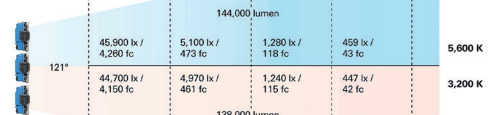


*with standard diffuser

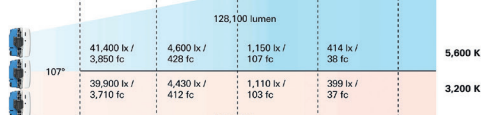
X23 with three HyPer Optics 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



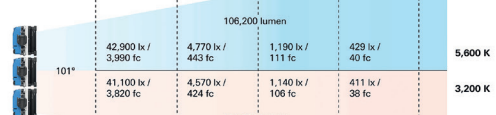
X23 Open-Face 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



X23 with three X21 Domes 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



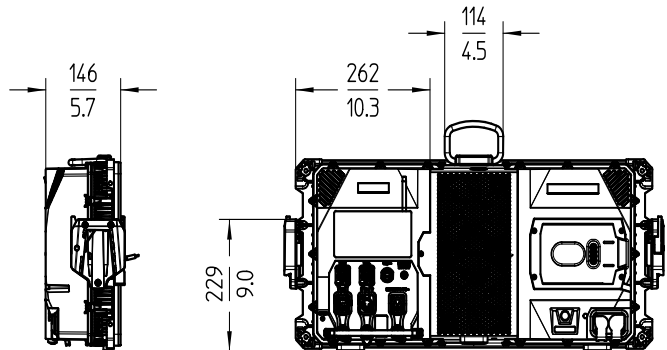
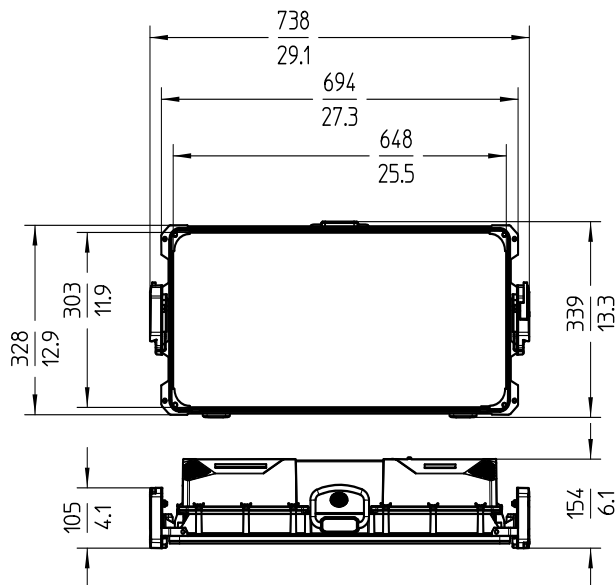
X23 with three S60 Adapters* 1 m / 3.2 ft 3 m / 9.8 ft 6 m / 19.6 ft 10 m / 32.8 ft (High Output)



*with standard diffuser

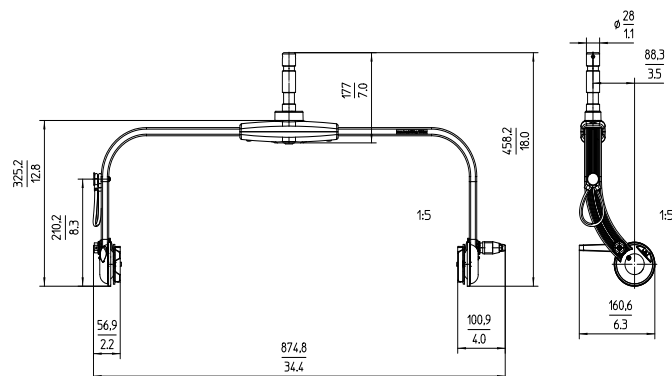
X21

Size: 738 x 339 x 154 mm / 29.1 x 13.3 x 6.1 in
Weight: approx. 15 kg / 33 lbs



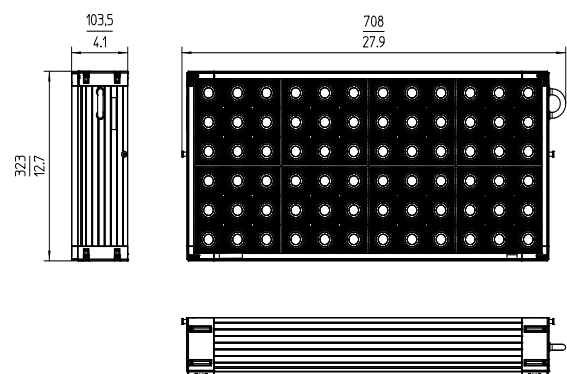
X21 Manual Yoke

Size: 875 x 161 x 458 mm / 34.4 x 6.3 x 18.0 in
Weight: approx. 3 kg / 6.5 lbs



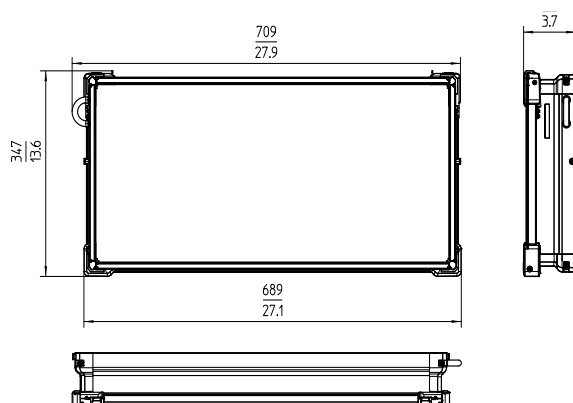
HyPer Optic

Size: 708 x 104 x 323 mm / 27.9 x 4.1 x 12.7 in
Weight: approx. 4.8 kg / 10.5 lbs



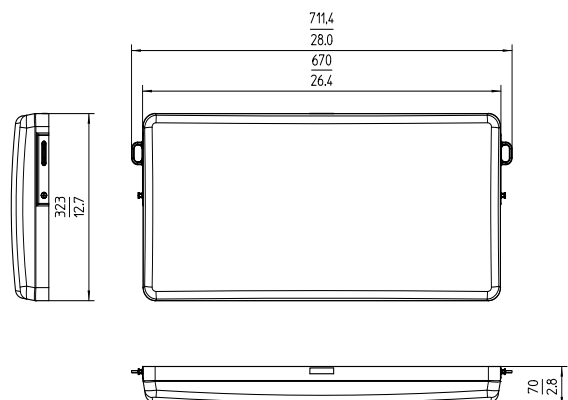
S60 Adapter

Size: 709 x 95 x 347 mm / 27.9 x 3.7 x 13.6 in
Weight: approx. 2 kg / 4.2 lbs



X21 Dome

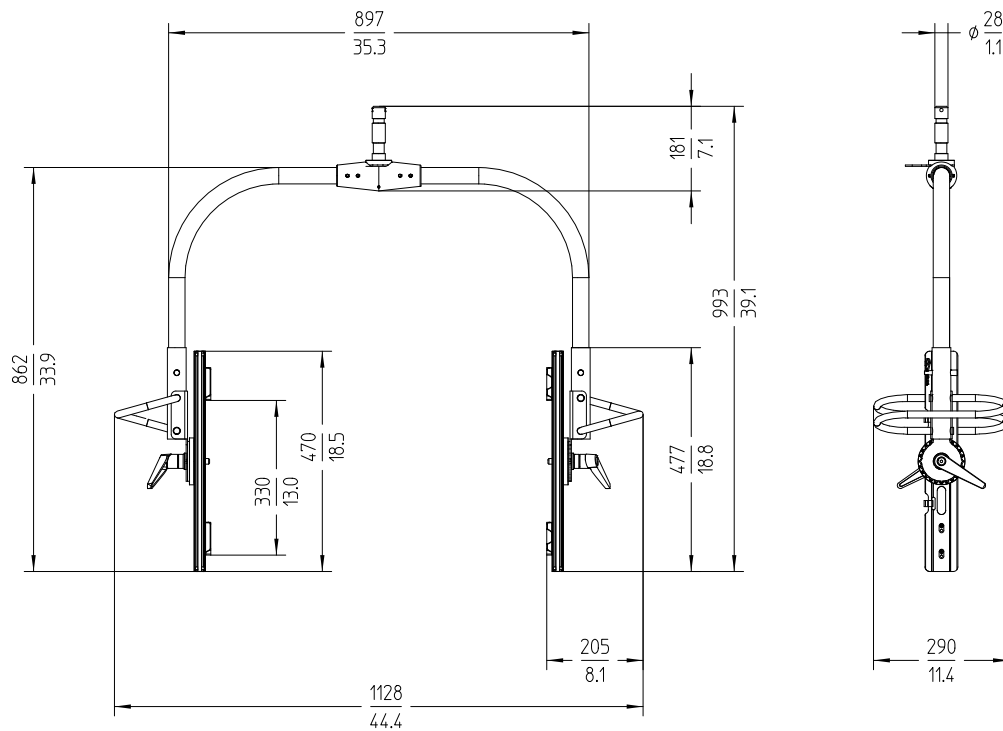
Size: 711 x 70 x 323 mm / 28 x 2.8 x 12.7 in
Weight: approx. 0.6 kg / 1.3 lbs



X Modular Yoke with X22 Modular Frame

Size: 1128 x 993 x 290 mm / 44.4 x 39.1 x 11.4 in

Weight: approx. 8 kg / 17.6 lbs



X Modular Yoke with X23 Modular Frame

Size: 1128 x 1318 x 290 mm / 44.4 x 51.9 x 11.4 in

Weight: approx. 9 kg / 19.8 lbs

