ARRI

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.
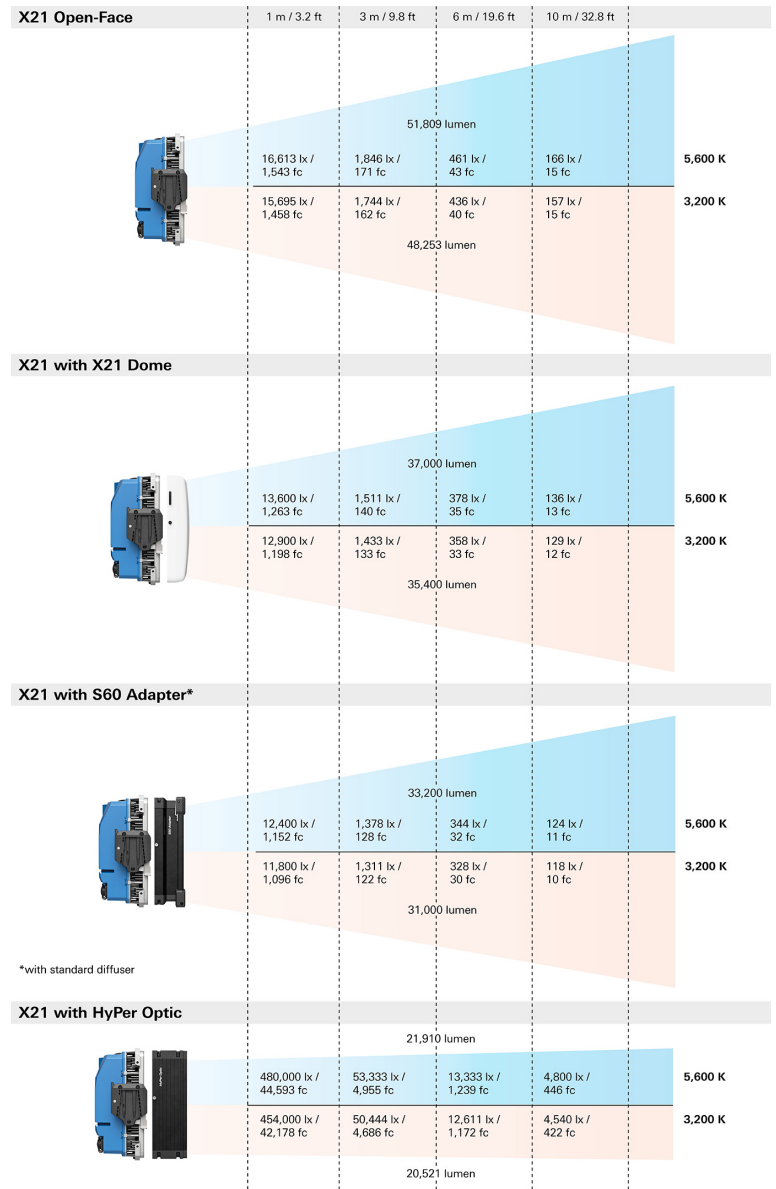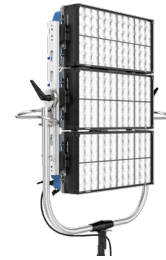
3 Extended Warranty

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
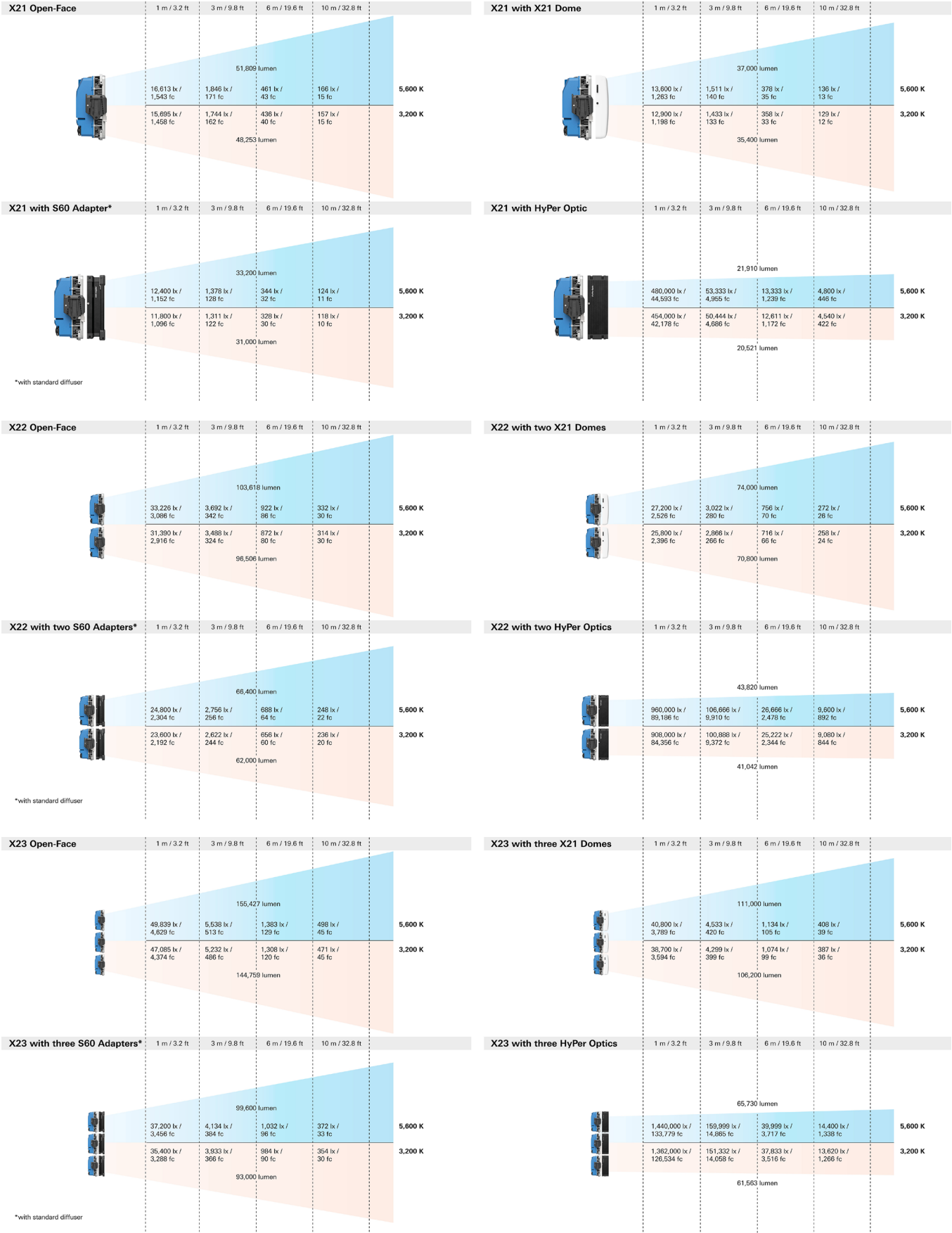
Photometrics

Preliminary data

X21 Open-Face

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
			51,809 lumen		
	16,613 lx / 1,543 fc	1,846 lx / 171 fc	461 lx / 43 fc	166 lx / 15 fc	5,600 K
	15,695 lx / 1,458 fc	1,744 lx / 162 fc	436 lx / 40 fc	157 lx / 15 fc	3,200 K
			48,253 lumen		

X21 with X21 Dome

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
			37,000 lumen		
	13,600 lx / 1,263 fc	1,511 lx / 140 fc	378 lx / 35 fc	136 lx / 13 fc	5,600 K
	12,900 lx / 1,198 fc	1,433 lx / 133 fc	358 lx / 33 fc	129 lx / 12 fc	3,200 K
			35,400 lumen		

X21 with S60 Adapter*

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
			33,200 lumen		
	12,400 lx / 1,152 fc	1,378 lx / 128 fc	344 lx / 32 fc	124 lx / 11 fc	5,600 K
	11,800 lx / 1,096 fc	1,311 lx / 122 fc	328 lx / 30 fc	118 lx / 10 fc	3,200 K
			31,000 lumen		

*with standard diffuser

X21 with HyPer Optic

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
			21,910 lumen		
	480,000 lx / 44,593 fc	53,333 lx / 4,955 fc	13,333 lx / 1,239 fc	4,800 lx / 446 fc	5,600 K
	454,000 lx / 42,178 fc	50,444 lx / 4,686 fc	12,611 lx / 1,172 fc	4,540 lx / 422 fc	3,200 K
			20,521 lumen		

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![ARRI]

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, 28mm spigot ■ Twin Quick-Lock bracket for multi-unit setups	■ X Modular frames for X22, Quick-Release ■ X Modular System for X22 & X23, Quick-Release, 28mm spigot ■ Twin Quick-Lock bracket for multi-unit setups	■ X Modular frames for X23, Quick-Release ■ X Modular System for X22 & X23, Quick-Release, 28mm spigot ■ Twin Quick-Lock bracket for multi-unit setups
Dimensions — Fixture only:	738 x 339 x 154 mm / 29.1 x 13.3 x 6.1 in	TBD	TBD
Weight - Fixture only **Weight - with Yoke MAN**	approx. 15 kg / 33 lb approx. 18 kg / 39.7 lb	approx. 30 kg / 66.1 lb approx. 38 kg / 83.8 lb	approx. 45 kg / 99.2 lb approx. 54 kg / 119.1 lb

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), 106° (soft), 120° (open-face)
Diffuser options	X21 Dome, Beam Enhancer filter, S60-C diffusers
Accessory compatibility	All SkyPanel S60-C accessories via S60 Adapter
Type of display	Removable ALL-WEATHER Control Panel with LiOS3
Operational modes	Standard (low noise), High Output, VariFan, ARRI ALEXA
Color modes	CCT, HSI, RGBW, RGBACL, Effects, XY, Gel, Source Matching
DMX presets	Yes, via Control Panel, RDM and DMX-512A
Legacy DMX modes	Compatible with S60-C mode 2 and 6
Multi-array setup	Yes (up to 3 units in just one single DMX profile)
High-speed mode	Yes
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
Max. ambient temperature	40°C
Certifications	pending: CE, UKCA, CB, ENEC, cNRTLus, FCC, ICES, PSE, KC, SRRC and more

Preliminary technical data.
All specifications are typical values.
Subject to change without notice.

SKYPANEL X
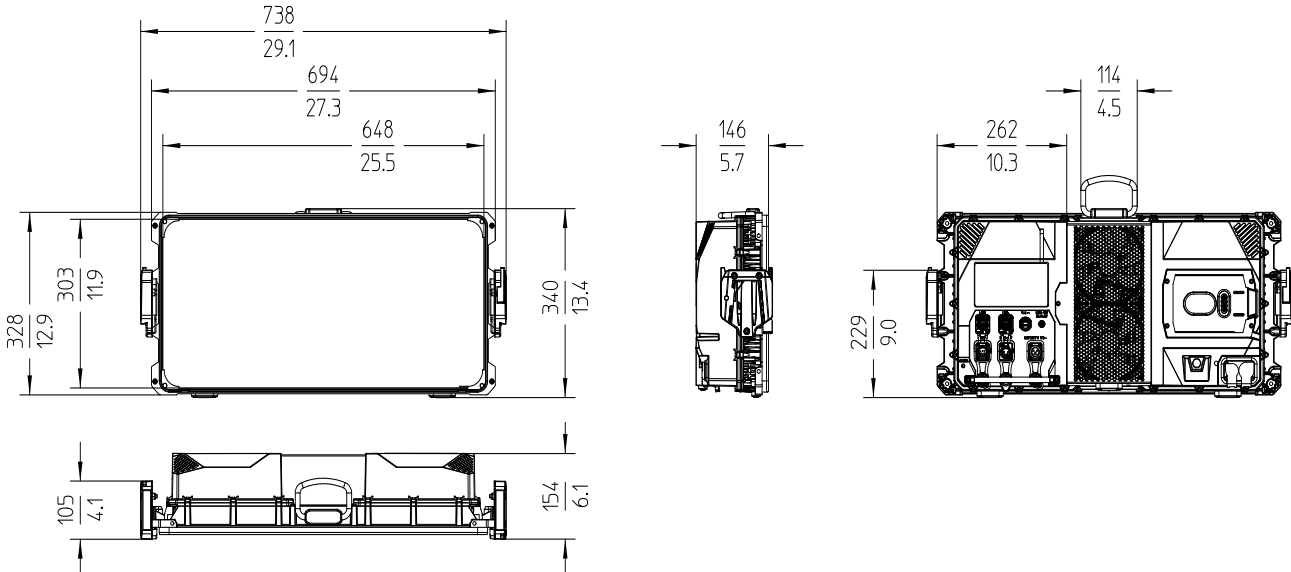
Photometrics

Preliminary data

X21 Open-Face

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
		51,809 lumen			
	16,613 lx / 1,543 fc	1,846 lx / 171 fc	461 lx / 43 fc	166 lx / 15 fc	5,600 K
	15,695 lx / 1,458 fc	1,744 lx / 162 fc	436 lx / 40 fc	157 lx / 15 fc	3,200 K
		48,253 lumen			

X21 with S60 Adapter*

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
		33,200 lumen			
	12,400 lx / 1,152 fc	1,378 lx / 128 fc	344 lx / 32 fc	124 lx / 11 fc	5,600 K
	11,800 lx / 1,096 fc	1,311 lx / 122 fc	328 lx / 30 fc	118 lx / 10 fc	3,200 K
		31,000 lumen			

*with standard diffuser

X22 Open-Face

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
		103,618 lumen			
	33,226 lx / 3,086 fc	3,692 lx / 342 fc	922 lx / 86 fc	332 lx / 30 fc	5,600 K
	31,390 lx / 2,916 fc	3,488 lx / 324 fc	872 lx / 80 fc	314 lx / 30 fc	3,200 K
		96,506 lumen			

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	
		66,400 lumen			
	24,800 lx / 2,304 fc	2,756 lx / 256 fc	688 lx / 64 fc	248 lx / 22 fc	5,600 K
	23,600 lx / 2,192 fc	2,622 lx / 244 fc	656 lx / 60 fc	236 lx / 20 fc	3,200 K
		62,000 lumen			

*with standard diffuser

X23 Open-Face

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
		155,427 lumen			
	49,839 lx / 4,629 fc	5,538 lx / 513 fc	1,383 lx / 129 fc	498 lx / 45 fc	5,600 K
	47,085 lx / 4,374 fc	5,232 lx / 486 fc	1,308 lx / 120 fc	471 lx / 45 fc	3,200 K
		144,759 lumen			

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	
		99,600 lumen			
	37,200 lx / 3,456 fc	4,134 lx / 384 fc	1,032 lx / 96 fc	372 lx / 33 fc	5,600 K
	35,400 lx / 3,288 fc	3,933 lx / 366 fc	984 lx / 90 fc	354 lx / 30 fc	3,200 K
		93,000 lumen			

*with standard diffuser

X21 with X21 Dome

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
		37,000 lumen			
	13,600 lx / 1,263 fc	1,511 lx / 140 fc	378 lx / 35 fc	136 lx / 13 fc	5,600 K
	12,900 lx / 1,198 fc	1,433 lx / 133 fc	358 lx / 33 fc	129 lx / 12 fc	3,200 K
		35,400 lumen			

X21 with HyPer Optic

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	
		21,910 lumen			
	480,000 lx / 44,593 fc	53,333 lx / 4,955 fc	13,333 lx / 1,239 fc	4,800 lx / 446 fc	5,600 K
	454,000 lx / 42,178 fc	50,444 lx / 4,686 fc	12,611 lx / 1,172 fc	4,540 lx / 422 fc	3,200 K
		20,521 lumen			

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	
		74,000 lumen			
	27,200 lx / 2,526 fc	3,022 lx / 280 fc	756 lx / 70 fc	272 lx / 26 fc	5,600 K
	25,800 lx / 2,396 fc	2,866 lx / 266 fc	716 lx / 66 fc	258 lx / 24 fc	3,200 K
		70,800 lumen			

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	
		43,820 lumen			
	960,000 lx / 89,186 fc	106,666 lx / 9,910 fc	26,666 lx / 2,478 fc	9,600 lx / 892 fc	5,600 K
	908,000 lx / 84,356 fc	100,888 lx / 9,372 fc	25,222 lx / 2,344 fc	9,080 lx / 844 fc	3,200 K
		41,042 lumen			

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	
		111,000 lumen			
	40,800 lx / 3,789 fc	4,533 lx / 420 fc	1,134 lx / 105 fc	408 lx / 39 fc	5,600 K
	38,700 lx / 3,594 fc	4,299 lx / 399 fc	1,074 lx / 99 fc	387 lx / 36 fc	3,200 K
		106,200 lumen			

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	
		65,730 lumen			
	1,440,000 lx / 133,779 fc	159,999 lx / 14,865 fc	39,999 lx / 3,717 fc	14,400 lx / 1,338 fc	5,600 K
	1,362,000 lx / 126,534 fc	151,332 lx / 14,058 fc	37,833 lx / 3,516 fc	13,620 lx / 1,266 fc	3,200 K
		61,563 lumen			

SKYPANEL X

X21

Preliminary data
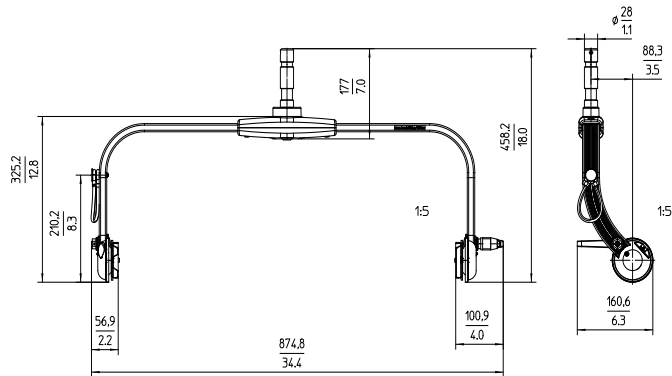
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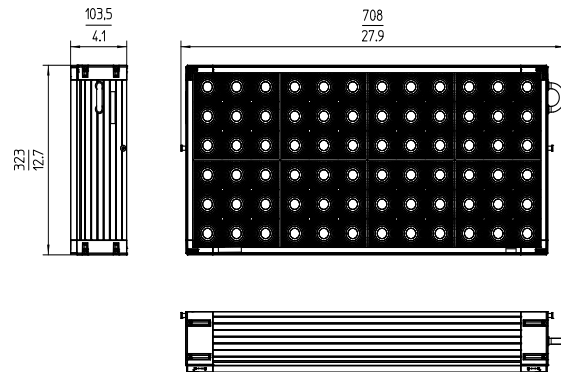Weight: approx. 15 kg / 33 lb

X21 Manual Yoke

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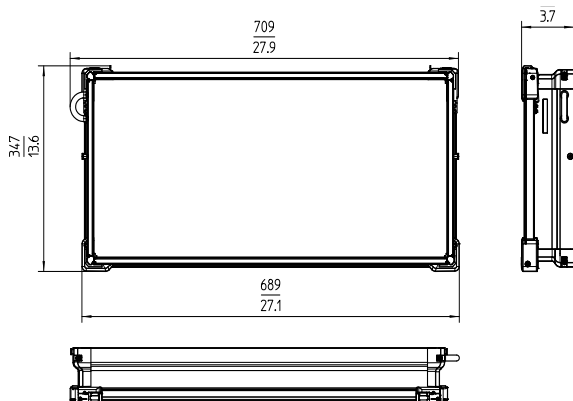Weight: approx. 3 kg / 6.5 lb

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 lb

S60 Adapter

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

X21 Dome

Size: 711 x 70 x 323 mm / 28 x 2.8 x 12.7 in
Weight: approx. 0,6 kg / 1.3 lb

SKYPANEL X