DATA SHEET

SkyPanel X

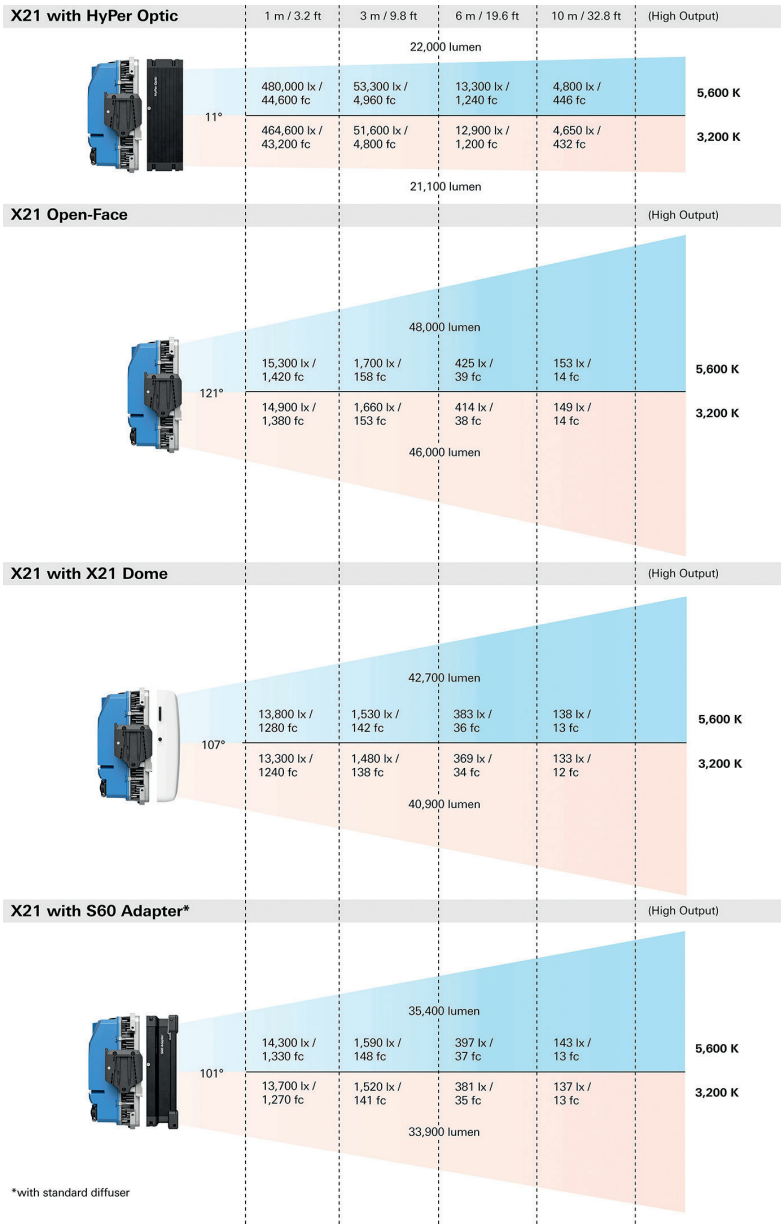
SOFT | MODULAR | HARD

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.

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



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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 P.O. 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 P.O. 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.

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DATA SHEET

Photometrics

Download the ARRI Photometrics App or check ARRI.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)
11°		22,000 lumen			
	480,000 lx / 44,600 fc	53,300 lx / 4,960 fc	13,300 lx / 1,240 fc	4,800 lx / 446 fc	5,600 K
	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

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	(High Output)
121°		48,000 lumen			
	15,300 lx / 1,420 fc	1,700 lx / 158 fc	425 lx / 39 fc	153 lx / 14 fc	5,600 K
	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

	1 m / 3.2 ft	3 m / 9.8 ft	6 m / 19.6 ft	10 m / 32.8 ft	(High Output)
107°		42,700 lumen			
	13,800 lx / 1280 fc	1,530 lx / 142 fc	383 lx / 36 fc	138 lx / 13 fc	5,600 K
	13,300 lx / 1240 fc	1,480 lx / 138 fc	369 lx / 34 fc	133 lx / 12 fc	3,200 K
		40,900 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	(High Output)
101°		35,400 lumen			
	14,300 lx / 1,330 fc	1,590 lx / 148 fc	397 lx / 37 fc	143 lx / 13 fc	5,600 K
	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

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)
11°		44,000 lumen			
	960,000 lx / 89,200 fc	106,700 lx / 9,910 fc	26,700 lx / 2,480 fc	9,600 lx / 892 fc	5,600 K
	929,200 lx / 86,300 fc	103,200 lx / 9,590 fc	25,800 lx / 2,400 fc	9,290 lx / 863 fc	3,200 K
		42,200 lumen			

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)
121°		96,000 lumen			
	30,600 lx / 2,840 fc	3,400 lx / 316 fc	850 lx / 79 fc	306 lx / 28 fc	5,600 K
	29,800 lx / 2,770 fc	3,310 lx / 308 fc	828 lx / 77 fc	298 lx / 28 fc	3,200 K
		92,000 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	(High Output)
107°		85,400 lumen			
	27,600 lx / 2,560 fc	3,070 lx / 284 fc	767 lx / 71 fc	276 lx / 26 fc	5,600 K
	26,600 lx / 2,470 fc	2,980 lx / 274 fc	739 lx / 69 fc	266 lx / 25 fc	3,200 K
		81,800 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	(High Output)
101°		70,800 lumen			
	28,600 lx / 2,660 fc	3,180 lx / 296 fc	794 lx / 74 fc	286 lx / 27 fc	5,600 K
	27,400 lx / 2,550 fc	3,040 lx / 283 fc	761 lx / 71 fc	274 lx / 25 fc	3,200 K
		67,800 lumen			

*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)
11°		66,000 lumen			
	1,440,000 lx / 134,000 fc	160,000 lx / 14,900 fc	40,000 lx / 3,720 fc	14,400 lx / 1,340 fc	5,600 K
	1,393,800 lx / 129,000 fc	154,900 lx / 14,300 fc	38,700 lx / 3,580 fc	13,900 lx / 1,290 fc	3,200 K
		63,300 lumen			

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)
121°		144,000 lumen			
	45,900 lx / 4,260 fc	5,100 lx / 473 fc	1,280 lx / 118 fc	459 lx / 43 fc	5,600 K
	44,700 lx / 4,150 fc	4,970 lx / 461 fc	1,240 lx / 115 fc	447 lx / 42 fc	3,200 K
		138,000 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	(High Output)
107°		128,100 lumen			
	41,400 lx / 3,850 fc	4,600 lx / 428 fc	1,150 lx / 107 fc	414 lx / 38 fc	5,600 K
	39,900 lx / 3,710 fc	4,430 lx / 412 fc	1,110 lx / 103 fc	399 lx / 37 fc	3,200 K
		122,700 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	(High Output)
101°		106,200 lumen			
	42,900 lx / 3,990 fc	4,770 lx / 443 fc	1,190 lx / 111 fc	429 lx / 40 fc	5,600 K
	41,100 lx / 3,820 fc	4,570 lx / 424 fc	1,140 lx / 106 fc	411 lx / 38 fc	3,200 K
		101,700 lumen			

*with standard diffuser

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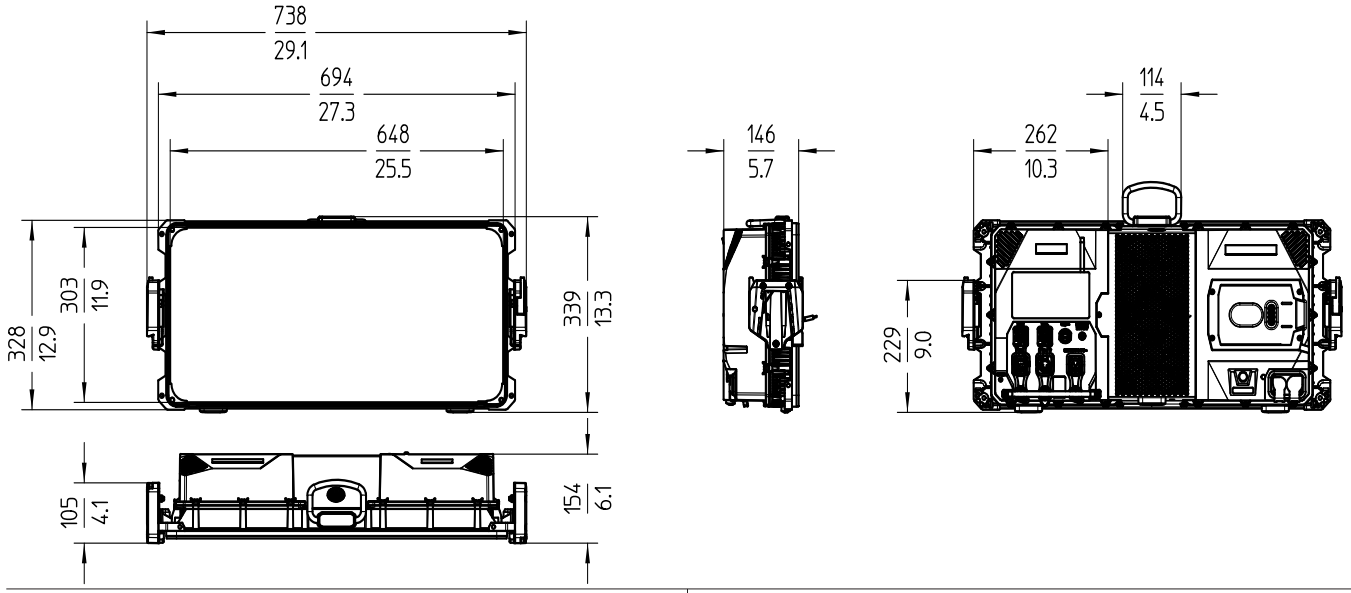
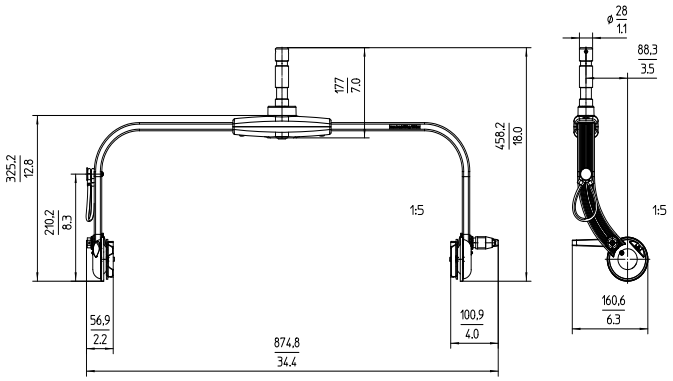
X21

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



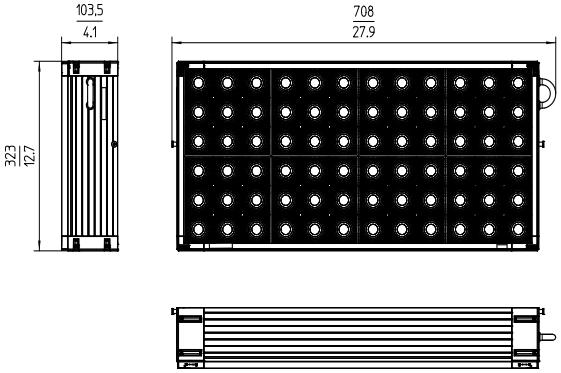
X21 Manual Yoke

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



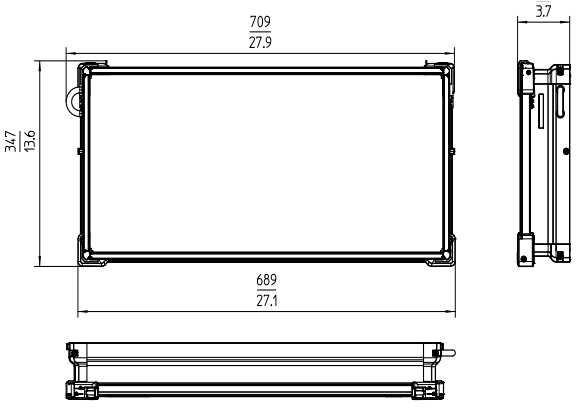
HyPer Optic

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



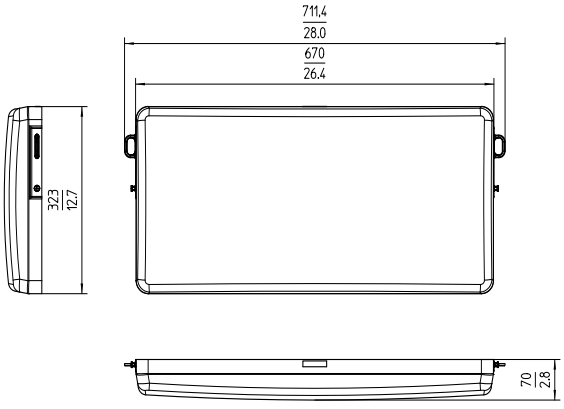
S60 Adapter

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



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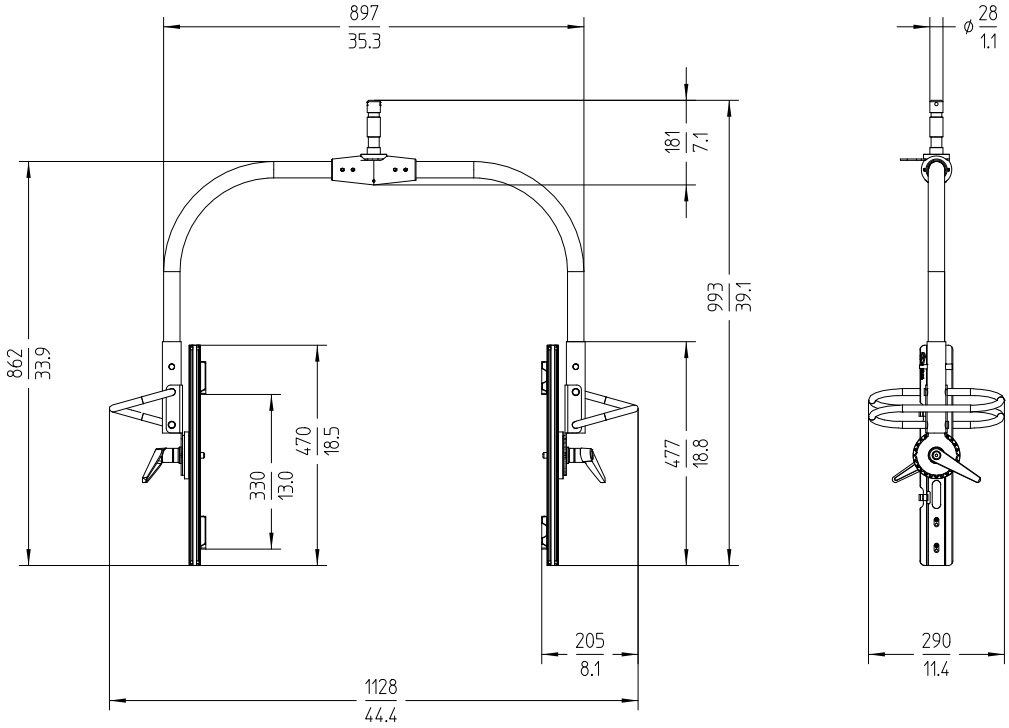
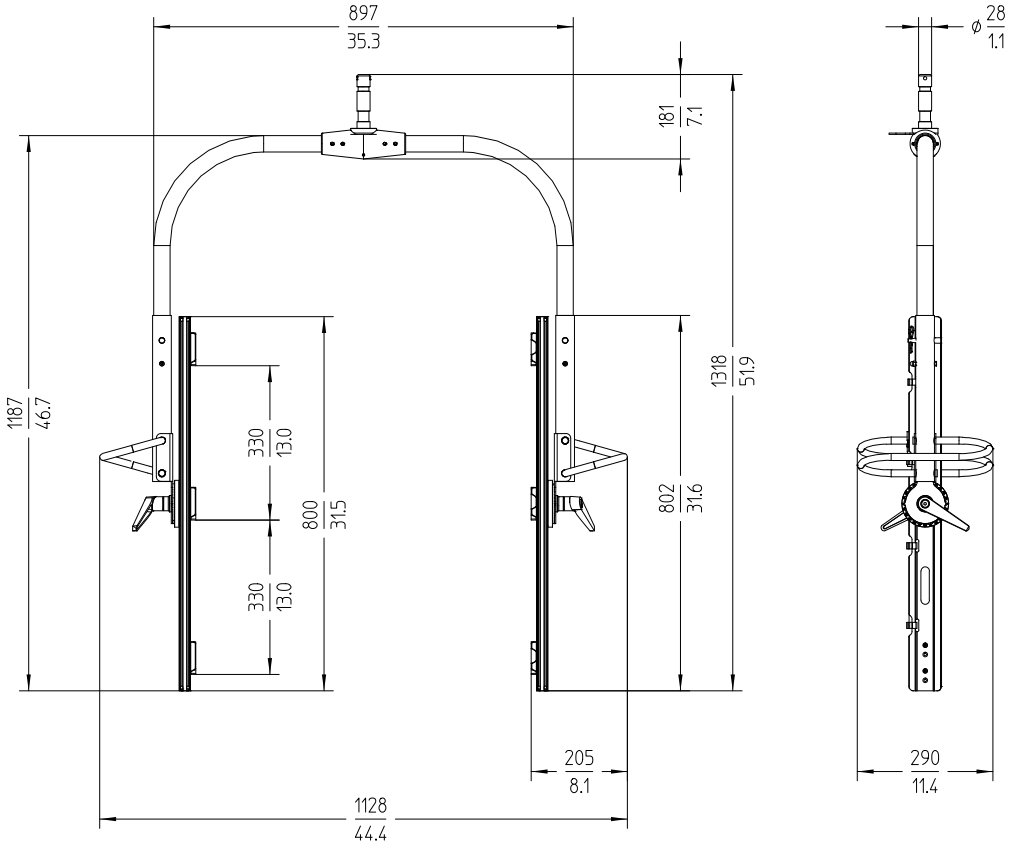
X Modular Yoke with X22 Modular Frame

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



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