



GENERAL INFORMATION

Over a decade of color research comes together in the fos/4 Panel. These fixtures were designed specifically for the studio and film industry, and take predictably nuanced color from reality to the camera to the screen.

With the fos/4 Panel available in three sizes and two arrays, you'll never find yourself wishing for anything more. The fos/4 Panels are shockingly bright, but don't sacrifice color quality. And with the addition of Deep Red LEDs, the Lustr X8 array pushes the boundaries of color rendering possibilities while the tunable Daylight HDR array gives new depth to your white light. The fos/4 series fixtures are made in the USA and backed by a 24/7/365 phone support guarantee – we'll be there when you need us, regardless of time or day.

APPLICATIONS

- Television studios
- Location shoots
- Film sets

PRODUCT FEATURES

- Two array choices:
 - Lustr X8 full color array
 - Daylight HDR tunable white array
- Three sizes available
 - Small (8x24 in)
 - Medium (16x24 in)
 - Large (24x24 in)
- Intuitive UI with color picker
- Up to 62,000 lumens
- Select CCT between 1900–10450 K
- NFC configuration
- Multiverse® wireless control
- Standard 5/10 year LED fixture warranty

ORDERING INFORMATION

fos/4 Panel Lights

MODEL	DESCRIPTION	ETL PART NUMBER	CE PART NUMBER	
fos4PL8	fos/4 Panel, small (8 in x 24 in), Lustr X8	7471A1000	7471A1200	
fos4PD8	fos/4 Panel, small (8 in x 24 in), Daylight HDR	7471A1001	7471A1201	
fos4PL16	fos/4 Panel, medium (16 in x 24 in), Lustr X8	7471A1010	7471A1210	
fos4PD16	fos/4 Panel, medium (16 in x 24 in), Daylight HDR	7471A1011	7471A1211	
fos4PL24	fos/4 Panel, large (24 in x 24 in), Lustr X8	7471A1020	7471A1220	
fos4PD24	fos/4 Panel, large (24 in x 24 in), Daylight HDR	7471A1021	7471A1221	

Note: Fixtures finished standard in two-tone (black and studio gray). Fixtures ship with a yoke, standard diffusion, power cable and a junior (28 mm) pin.



PRODUCT SPECIFICATIONS

Source

LED details	Lumileds LUXEON® C
Max lumens (5600 K)	20,569 / 41,058 / 61,587
Lumens per watt (5600 K)	52.5 / 52.4 / 52.0
L70 rating (hours to 70% output)*	>54,000 hours

Color

Colors used	Lustr X8: Deep Red, Red, Amber, Lime, Green, Cyan, Blue, Indigo Daylight HDR: Deep Red, Red, Mint, Cyan, Blue, Indigo
Color temperature range	1900–10450 K
Calibrated array	Yes
Red shift	Yes (selectable)

Optical

Beam angle range	108° native with standard diffusion
Gate size	N/A
Aperture size	203x610 mm (8x24 in) 406x610 mm (16x24 in) 610x610 mm (24x24 in)
Pattern projection	No
Pattern size	N/A
Camera flicker control/Hz range	Flicker-free 20,000 Hz

Control

Input method	5-Pin XLR, Multiverse wireless and NFC
Protocols	DMX-512, RDM, City Theatrical Multiverse, NFC
Modes (footprint)	5 modes (1–12 channels)
RDM configuration	Yes
UI type	Full color display
Local control	Yes
Onboard presets	Yes (12)
Onboard sequences	Yes
Onboard effects	Yes (12)
Fixture-to-fixture control	Yes

Wireless

Band	2.400–2.480 GHz
Range	100 m indoors, 500 m line of sight (subject to conditions)
Max receivers	DMX: No limit RDM: Varies by transmitter used Multiverse SHoW Baby®: 585 Multiverse Transmitter: 5,000
Broadcast power	100 mW

Electrical

Voltage range	100–240 VAC 24–36 VDC (battery input for the small and medium only)
Input method	AC via Neutrik TRUE1 TOP DC via 4-pin XLR
Inrush (first half-cycle) (Small / Medium / Large)	120 V: 33.4 / 51.0 / 67.8 A 240 V: 57.0 / 94.4 / 155.0 A
Fixtures per circuit on standard R20 breaker (Small / Medium / Large)	4 / 2 / 1 Note: TRUE1 connector rated for 20 A (120 V / 60 Hz) and 16 A (240 V / 50 Hz)
Wattage (Typical) (Small / Medium / Large)	120 V: 475 / 955 / 1,475 W 230 V: 465 / 935 / 1,430 W
Current draw (Small / Medium / Large)	120 V: 4.0 / 8.2 / 12.4 A 230 V: 2.1 / 4.2 / 6.3 A

Thermal

Ambient operating temp	0°–40° C (32°–104° F)
Fan (controllable)	Yes (yes)
Drop compensation	Yes
dB range	22.4 / 24.5 / 26.5 dBA
BTUs/hour (120 V)	1,620 / 3,257 / 5,030

Physical

Materials	Cast and extruded aluminum
Color options	Two-tone (black and studio gray)
Mounting options	Yoke or Griprail (M6 standard T-nut)
IP rating	IP20
Weight	Small: 14.5 kg (32 lb) Medium: 25.4 kg (56 lb) Large: 35.8 kg (79 lb)
Included accessories	Yoke, standard diffusion, laminated quick card, power cable and junior (28 mm) pin

Warranty

Fixture	5 years
LED array	10 years

Regulatory and Compliance

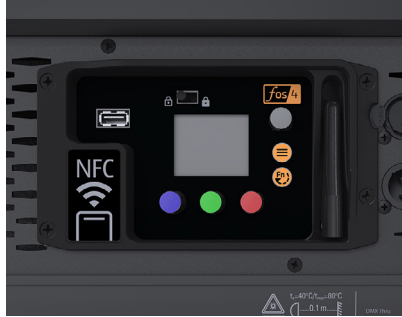
Approved regulatory standards	cETLus Listed CE Compliant
-------------------------------	-------------------------------

*Note: All LED sources experience some lessening of light output and some color shift over time. LED output will vary with thermal conditions. In individual situations, LEDs will be used for different durations and levels. This can eventually lead to minor alterations in color performance, necessitating slight adjustments to presets, cues or programs.

PRODUCT FEATURES



DEEP RED
Providing the most nuanced color control from the deepest ends of the spectrum.



WIRELESS DMX/RDM AND NFC
Configure and control your fixture from your phone or tablet, or use DMX/RDM with Multiverse from your console.



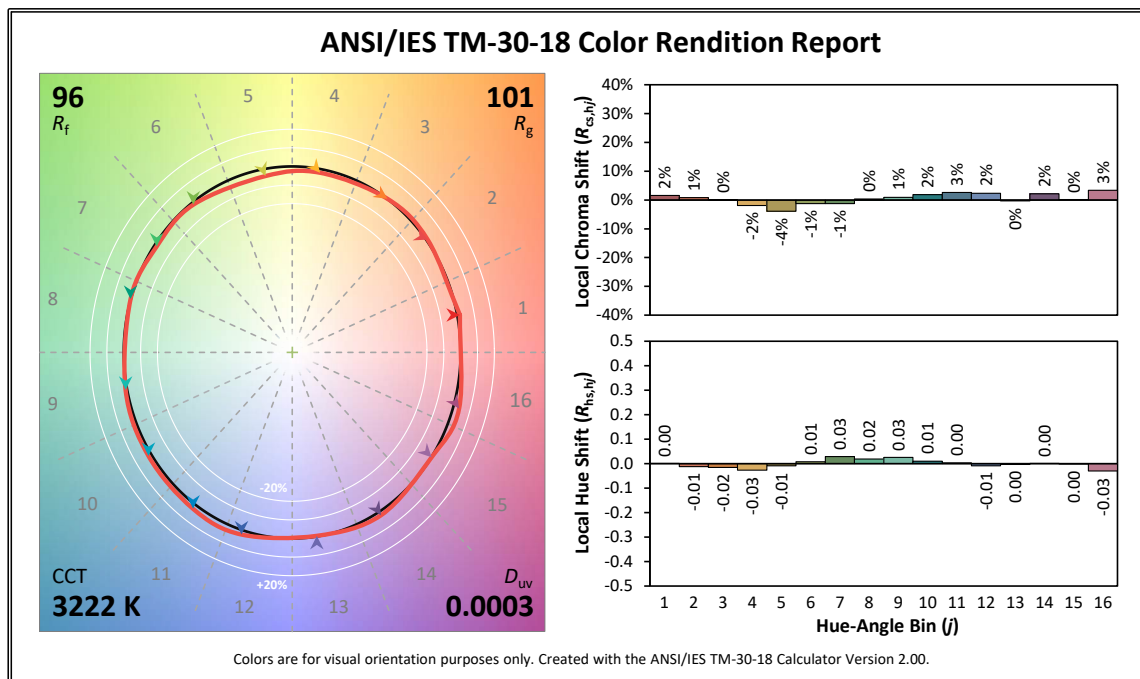
GRIPRAIL
Mount your fixture or attach numerous accessories to this practical design feature of the fos/4 Panel.

COLOR METRIC INFORMATION

Additional Color Metrics

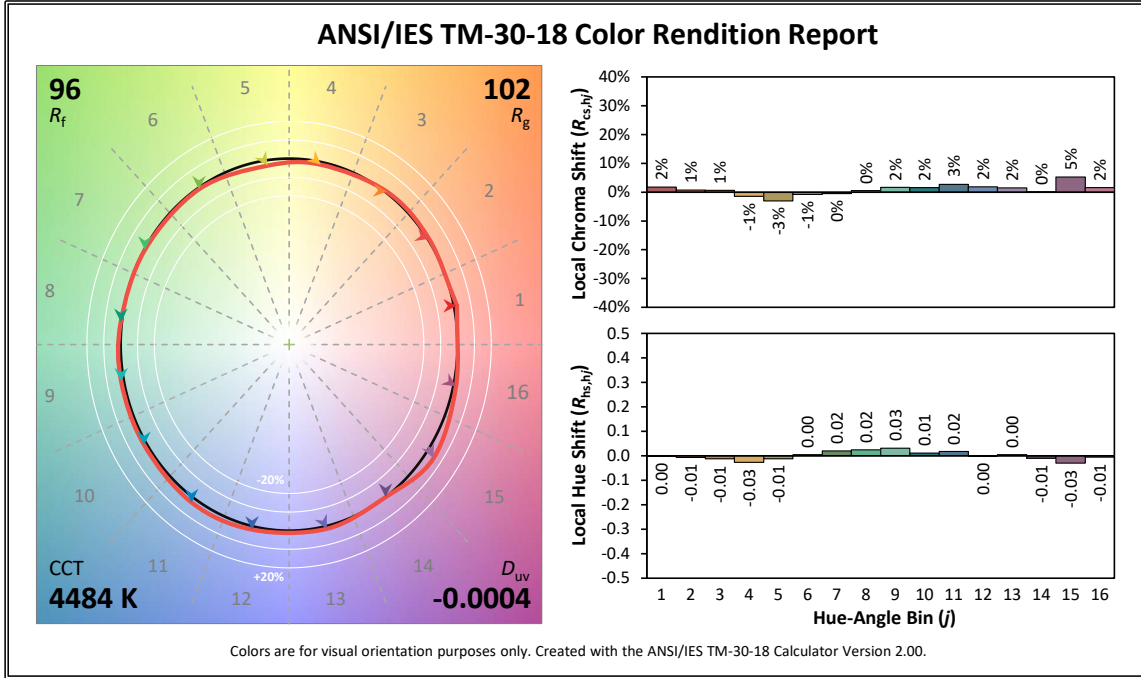
	LUSTR 3200 K	LUSTR 4500 K	LUSTR 5600 K	DAYLIGHT 3200 K	DAYLIGHT 4500 K	DAYLIGHT 5600 K
CRI R_a	98	97	96	83	89	93
TLCI	99	99	99	87	94	95
SSI	84	77	72	77	73	71

fos/4 PANEL LUSTR X8 3200 K TM-30-18

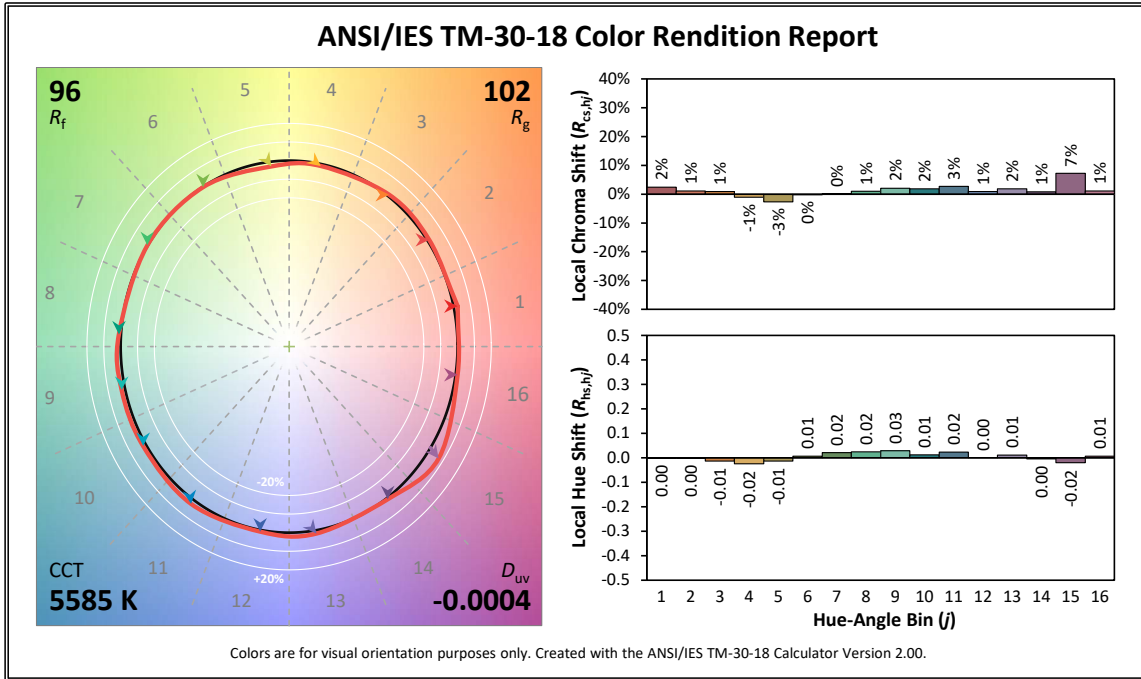


COLOR METRIC INFORMATION

fos/4 PANEL LUSTR X8 4500 K TM-30-18

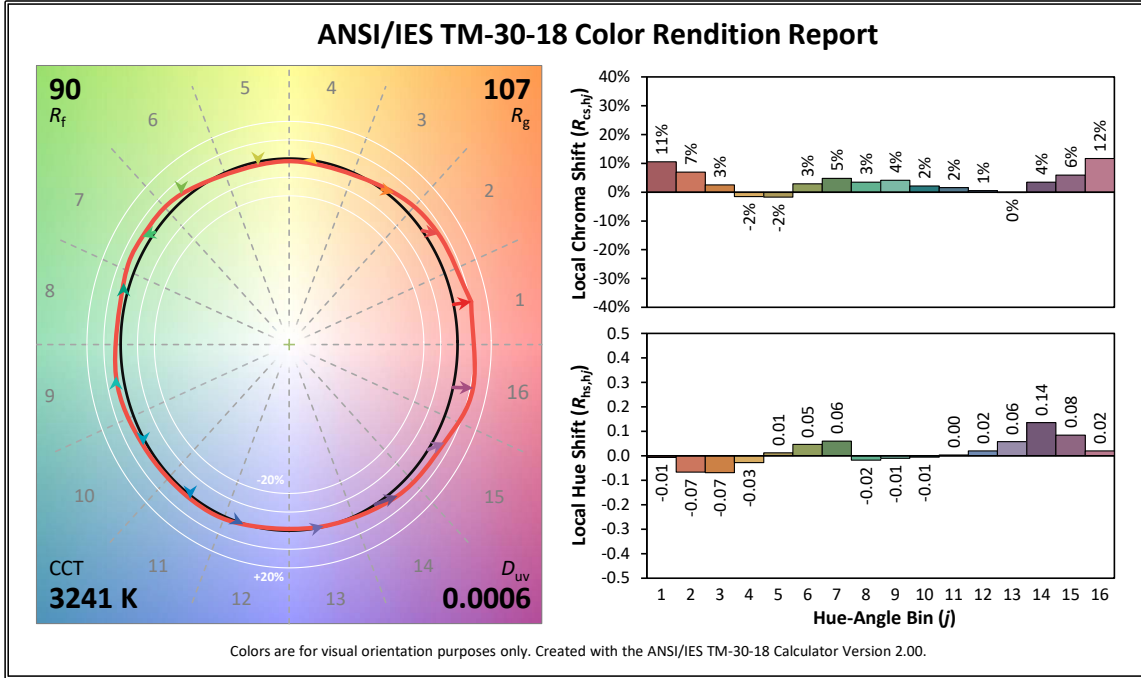


fos/4 PANEL LUSTR X8 5600 K TM-30-18

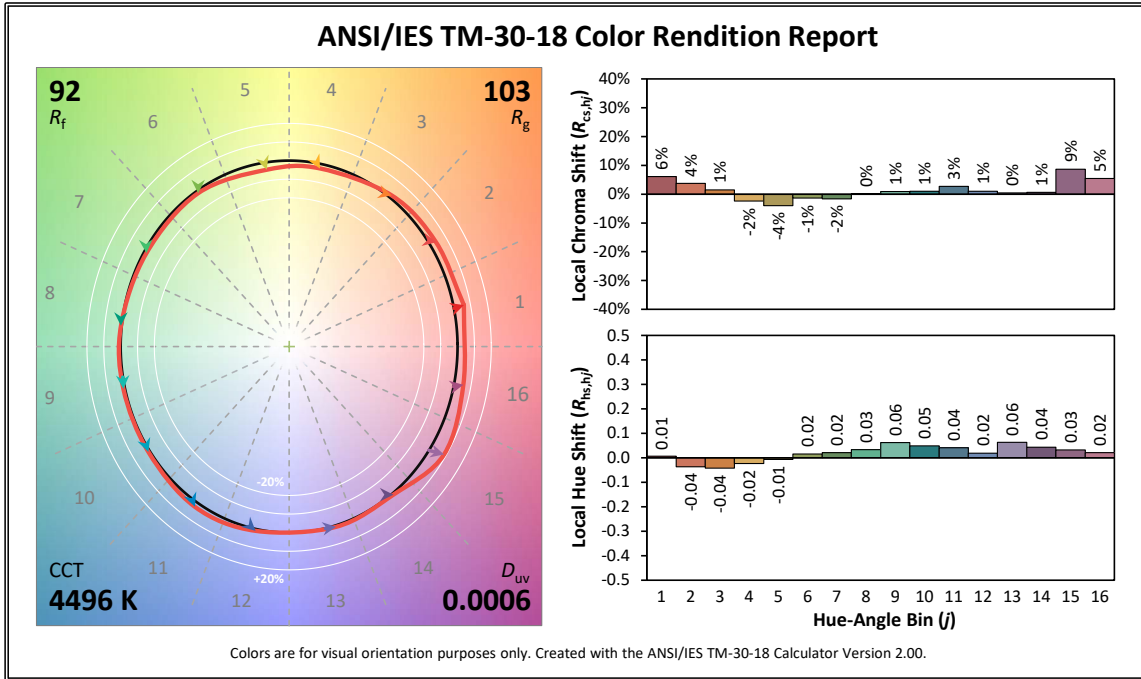


COLOR METRIC INFORMATION

fos/4 PANEL DAYLIGHT HDR 3200 K TM-30-18

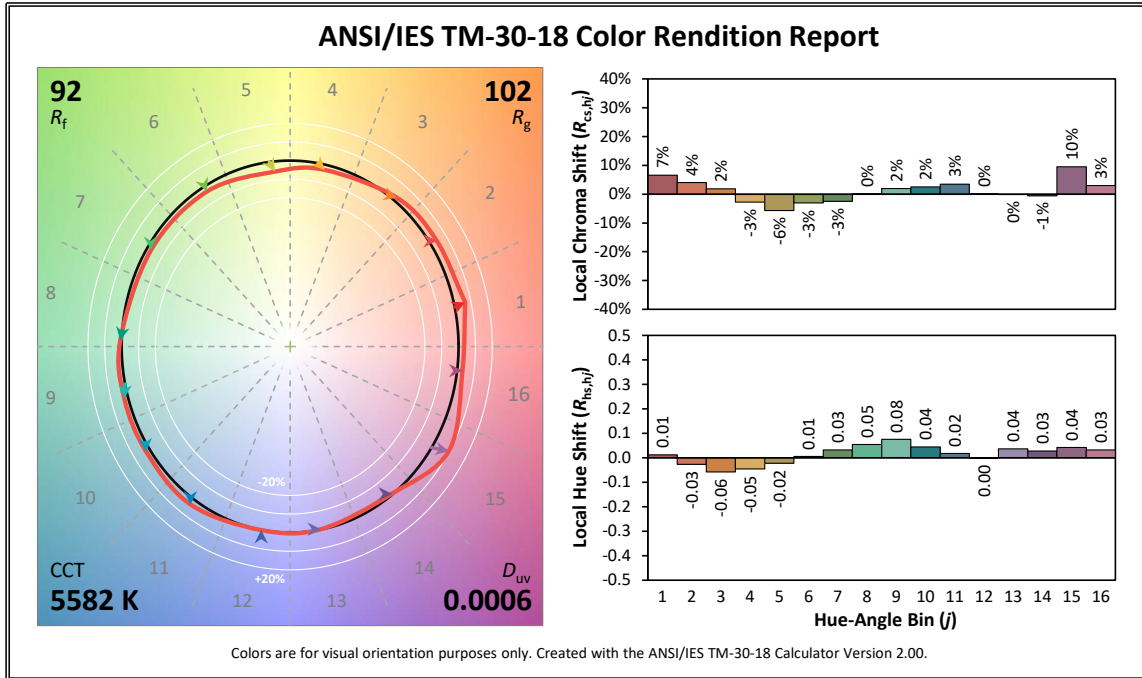


fos/4 PANEL DAYLIGHT HDR 4500 K TM-30-18



COLOR METRIC INFORMATION

fos/4 PANEL DAYLIGHT HDR 5600 K TM-30-18



PHOTOMETRY INFORMATION

fos/4 Panel Small Lustr X8 (PL8) - Standard Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	5,020	13,504	284	47.5
3200 K - Hybrid	3,818	10,271	236	43.5
3200 K - Spectral	2,597	6,987	188	37.2
4500 K - Brightest	5,970	16,059	350	45.9
4500 K - Hybrid	4,807	12,930	314	41.2
4500 K - Spectral	3,624	9,750	275	35.5
5600 K - Brightest	6,416	17,258	391	44.1
5600 K - Hybrid	5,485	14,755	347	42.5
5600 K - Spectral	4,535	12,201	302	40.4

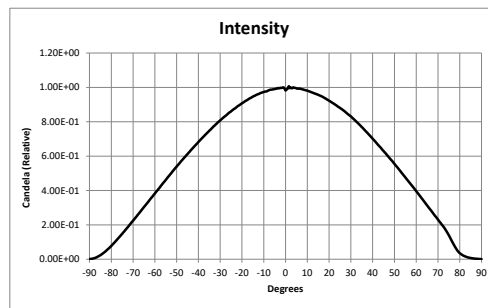
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	465	121	70
3200 K - Hybrid	354	92	53
3200 K - Spectral	241	63	36
4500 K - Brightest	553	144	83
4500 K - Hybrid	445	116	67
4500 K - Spectral	336	87	50
5600 K - Brightest	594	155	89
5600 K - Hybrid	508	132	76
5600 K - Spectral	420	109	63

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.654.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Small Lustr X8 (PL8) - Light Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	5,172	13,471	284	47.4
3200 K - Hybrid	3,934	10,246	236	43.4
3200 K - Spectral	2,676	6,970	188	37.1
4500 K - Brightest	6,150	16,020	350	45.8
4500 K - Hybrid	4,952	12,899	314	41.1
4500 K - Spectral	3,734	9,726	275	35.4
5600 K - Brightest	6,610	17,216	391	44.0
5600 K - Hybrid	5,651	14,719	347	42.4
5600 K - Spectral	4,673	12,171	302	40.3

Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	482	128	72
3200 K - Hybrid	366	97	55
3200 K - Spectral	249	66	37
4500 K - Brightest	573	152	86
4500 K - Hybrid	461	122	69
4500 K - Spectral	348	92	52
5600 K - Brightest	615	163	92
5600 K - Hybrid	526	140	79
5600 K - Spectral	435	115	65

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 8.663. For beam diameter at any distance, multiply by 2.560.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Small Lustr X8 (PL8) - Heavy Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	4,468	12,056	284	42.5
3200 K - Hybrid	3,398	9,170	236	38.9
3200 K - Spectral	2,312	6,237	188	33.2
4500 K - Brightest	5,313	14,337	350	41.0
4500 K - Hybrid	4,278	11,544	314	36.8
4500 K - Spectral	3,226	8,705	275	31.7
5600 K - Brightest	5,710	15,407	391	39.4
5600 K - Hybrid	4,882	13,173	347	38.0
5600 K - Spectral	4,037	10,892	302	36.1

Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	401	106	64
3200 K - Hybrid	305	81	49
3200 K - Spectral	208	55	33
4500 K - Brightest	477	127	76
4500 K - Hybrid	384	102	61
4500 K - Spectral	290	77	46
5600 K - Brightest	513	136	82
5600 K - Hybrid	438	116	70
5600 K - Spectral	362	96	58

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.654.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Medium Lustr X8 (PL16) - Standard Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	10,040	27,008	572	47.2
3200 K - Hybrid	7,572	20,370	468	43.5
3200 K - Spectral	6,913	18,596	361	51.5
4500 K - Brightest	11,886	31,974	705	45.4
4500 K - Hybrid	9,437	25,386	621	40.9
4500 K - Spectral	6,932	18,647	533	35.0
5600 K - Brightest	12,828	34,507	791	43.6
5600 K - Hybrid	10,680	28,731	693	41.5
5600 K - Spectral	8,552	23,005	592	38.9

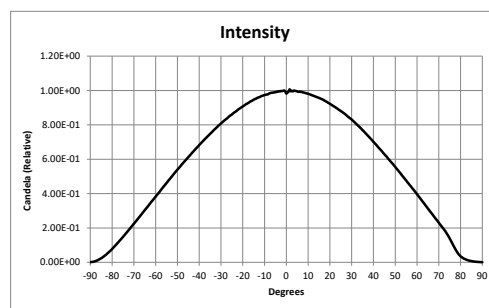
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	929	242	140
3200 K - Hybrid	701	183	105
3200 K - Spectral	640	167	96
4500 K - Brightest	1,100	287	166
4500 K - Hybrid	873	228	131
4500 K - Spectral	641	167	97
5600 K - Brightest	1,187	310	179
5600 K - Hybrid	988	258	149
5600 K - Spectral	791	206	119

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.564.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Medium Lustr X8 (PL16) - Light Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	10,344	26,942	572	47.1
3200 K - Hybrid	7,802	20,320	468	43.4
3200 K - Spectral	7,122	18,551	361	51.4
4500 K - Brightest	12,246	31,896	705	45.2
4500 K - Hybrid	9,723	25,324	621	40.8
4500 K - Spectral	7,142	18,608	533	34.9
5600 K - Brightest	13,216	34,423	791	43.5
5600 K - Hybrid	11,004	28,661	693	41.4
5600 K - Spectral	8,811	22,949	592	38.8

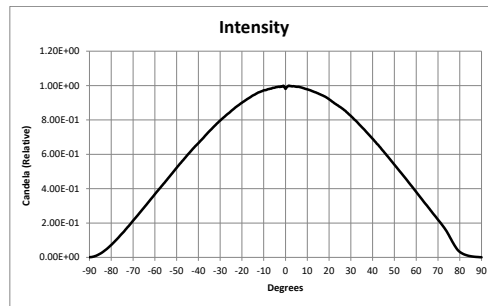
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	963	255	144
3200 K - Hybrid	726	193	108
3200 K - Spectral	663	176	99
4500 K - Brightest	1,140	302	170
4500 K - Hybrid	905	240	135
4500 K - Spectral	665	176	99
5600 K - Brightest	1,231	326	184
5600 K - Hybrid	1,025	272	153
5600 K - Spectral	820	218	122

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 8.663. For beam diameter at any distance, multiply by 2.560.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Medium Lustr X8 (PL16) - Heavy Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	8,936	24,112	572	42.2
3200 K - Hybrid	6,740	18,186	468	38.9
3200 K - Spectral	6,153	16,602	361	46.0
4500 K - Brightest	10,579	28,545	705	40.5
4500 K - Hybrid	8,400	22,664	621	36.5
4500 K - Spectral	6,170	16,648	533	31.2
5600 K - Brightest	11,417	30,807	791	38.9
5600 K - Hybrid	9,506	25,650	693	37.0
5600 K - Spectral	7,612	20,538	592	34.7

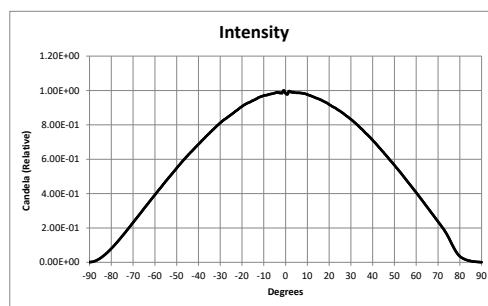
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	802	213	128
3200 K - Hybrid	605	161	96
3200 K - Spectral	552	147	88
4500 K - Brightest	950	252	151
4500 K - Hybrid	754	200	120
4500 K - Spectral	554	147	88
5600 K - Brightest	1,025	272	163
5600 K - Hybrid	853	226	136
5600 K - Spectral	683	181	109

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.753.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Large Lustr X8 (PL24) - Standard Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	15,060	40,512	848	47.8
3200 K - Hybrid	12,041	32,390	701	46.2
3200 K - Spectral	8,966	24,119	546	44.2
4500 K - Brightest	17,914	48,188	1,047	46.0
4500 K - Hybrid	15,428	41,503	930	44.6
4500 K - Spectral	12,998	34,965	806	43.4
5600 K - Brightest	19,405	52,200	1,174	44.5
5600 K - Hybrid	17,177	46,207	1,033	44.7
5600 K - Spectral	14,876	40,017	888	45.1

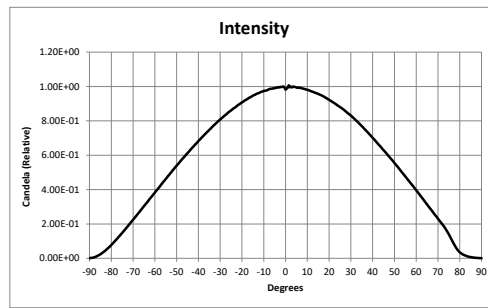
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	1,394	363	210
3200 K - Hybrid	1,114	291	168
3200 K - Spectral	830	216	125
4500 K - Brightest	1,658	432	249
4500 K - Hybrid	1,428	372	215
4500 K - Spectral	1,203	314	181
5600 K - Brightest	1,796	468	270
5600 K - Hybrid	1,589	415	239
5600 K - Spectral	1,376	359	207

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.654.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Large Lustr X8 (PL24) - Light Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	15,516	40,413	848	47.7
3200 K - Hybrid	12,405	32,311	701	46.1
3200 K - Spectral	9,238	24,060	546	44.1
4500 K - Brightest	18,456	48,071	1,047	45.9
4500 K - Hybrid	15,895	41,401	930	44.5
4500 K - Spectral	13,392	34,880	806	43.3
5600 K - Brightest	19,993	52,073	1,174	44.4
5600 K - Hybrid	17,697	46,095	1,033	44.6
5600 K - Spectral	15,326	39,919	888	45.0

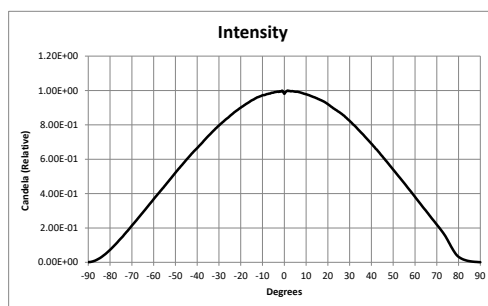
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	1,445	383	216
3200 K - Hybrid	1,155	306	172
3200 K - Spectral	860	228	128
4500 K - Brightest	1,718	456	257
4500 K - Hybrid	1,480	392	221
4500 K - Spectral	1,247	331	186
5600 K - Brightest	1,861	494	278
5600 K - Hybrid	1,648	437	246
5600 K - Spectral	1,427	378	213

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 8.663. For beam diameter at any distance, multiply by 2.560.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Large Lustr X8 (PL24) - Heavy Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	13,404	36,168	848	42.7
3200 K - Hybrid	10,717	28,917	701	41.3
3200 K - Spectral	7,980	21,533	546	39.4
4500 K - Brightest	15,944	43,021	1,047	41.1
4500 K - Hybrid	13,732	37,052	930	39.8
4500 K - Spectral	11,569	31,216	806	38.7
5600 K - Brightest	17,271	46,603	1,174	39.7
5600 K - Hybrid	15,288	41,253	1,033	39.9
5600 K - Spectral	13,240	35,726	888	40.2

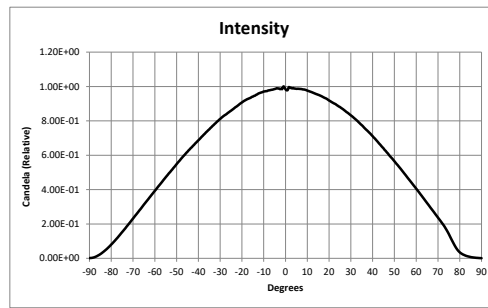
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	1,203	319	191
3200 K - Hybrid	962	255	153
3200 K - Spectral	716	190	114
4500 K - Brightest	1,431	380	228
4500 K - Hybrid	1,233	327	196
4500 K - Spectral	1,039	276	165
5600 K - Brightest	1,550	411	247
5600 K - Hybrid	1,372	364	218
5600 K - Spectral	1,189	315	189

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.753.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Small Daylight HDR (PD8) - Standard Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	2,570	6,969	282	24.7
3200 K - Hybrid	2,212	5,997	237	25.3
3200 K - Spectral	1,853	5,024	190	26.4
4500 K - Brightest	5,300	14,370	350	41.1
4500 K - Hybrid	4,583	12,426	314	39.6
4500 K - Spectral	3,846	10,427	275	37.9
5600 K - Brightest	7,572	20,569	391	52.5
5600 K - Hybrid	6,695	18,152	347	52.3
5600 K - Spectral	5,798	15,721	302	52.1

Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	221	56	35
3200 K - Hybrid	191	49	30
3200 K - Spectral	160	41	25
4500 K - Brightest	457	116	73
4500 K - Hybrid	395	101	63
4500 K - Spectral	331	84	53
5600 K - Brightest	652	166	104
5600 K - Hybrid	577	147	92
5600 K - Spectral	499	127	80

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.654.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Small Daylight HDR (PD8) - Light Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	2,648	6,952	282	24.7
3200 K - Hybrid	2,279	5,952	237	25.2
3200 K - Spectral	1,909	5,012	190	26.4
4500 K - Brightest	5,461	14,336	350	41.0
4500 K - Hybrid	4,722	12,396	314	39.5
4500 K - Spectral	3,962	10,402	275	37.8
5600 K - Brightest	7,801	20,480	391	52.4
5600 K - Hybrid	6,898	18,109	347	52.2
5600 K - Spectral	5,974	15,683	302	51.9

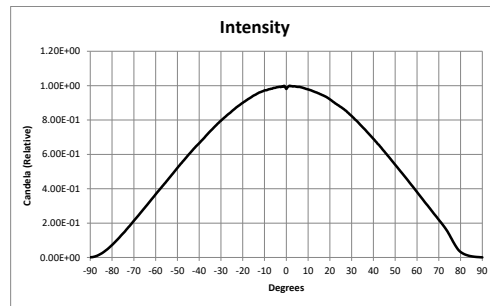
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	235	58	36
3200 K - Hybrid	202	50	31
3200 K - Spectral	169	41	26
4500 K - Brightest	484	119	74
4500 K - Hybrid	419	103	64
4500 K - Spectral	351	86	54
5600 K - Brightest	692	170	106
5600 K - Hybrid	612	150	94
5600 K - Spectral	530	130	81

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 8.663. For beam diameter at any distance, multiply by 2.560.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Small Daylight HDR (PD8) - Heavy Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	2,288	6,222	282	22.1
3200 K - Hybrid	1,969	5,354	237	22.6
3200 K - Spectral	1,649	4,486	190	23.6
4500 K - Brightest	4,717	12,831	350	36.7
4500 K - Hybrid	4,079	11,094	314	35.3
4500 K - Spectral	3,423	9,310	275	33.9
5600 K - Brightest	6,739	18,330	391	46.9
5600 K - Hybrid	5,959	16,207	347	46.7
5600 K - Spectral	5,161	14,037	302	46.5

Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	482	128	72
3200 K - Hybrid	366	97	55
3200 K - Spectral	249	66	37
4500 K - Brightest	573	152	86
4500 K - Hybrid	461	122	69
4500 K - Spectral	348	92	52
5600 K - Brightest	615	163	92
5600 K - Hybrid	526	140	79
5600 K - Spectral	435	115	65

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.753.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Medium Daylight HDR (PD16) - Standard Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	4,933	13,374	298	44.9
3200 K - Hybrid	4,222	11,448	278	41.2
3200 K - Spectral	3,512	9,523	255	37.3
4500 K - Brightest	10,268	27,841	532	52.3
4500 K - Hybrid	8,829	23,938	452	53.0
4500 K - Spectral	7,351	19,931	373	53.4
5600 K - Brightest	15,143	41,058	784	52.4
5600 K - Hybrid	13,358	36,219	624	58.0
5600 K - Spectral	11,401	30,911	462	66.9

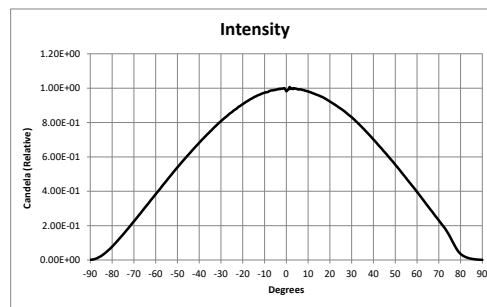
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	443	133	71
3200 K - Hybrid	379	97	60
3200 K - Spectral	315	80	50
4500 K - Brightest	922	235	147
4500 K - Hybrid	793	202	126
4500 K - Spectral	660	168	105
5600 K - Brightest	1,359	347	217
5600 K - Hybrid	1,199	306	191
5600 K - Spectral	1,023	261	163

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.654.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Medium Daylight HDR (PD16) - Light Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	5,082	13,342	298	44.8
3200 K - Hybrid	4,350	11,421	278	41.1
3200 K - Spectral	3,619	9,500	255	37.3
4500 K - Brightest	10,579	27,774	532	52.2
4500 K - Hybrid	9,096	23,880	452	52.8
4500 K - Spectral	7,574	19,883	373	53.3
5600 K - Brightest	15,602	40,960	784	52.2
5600 K - Hybrid	13,763	36,132	624	57.9
5600 K - Spectral	11,746	30,837	462	66.7

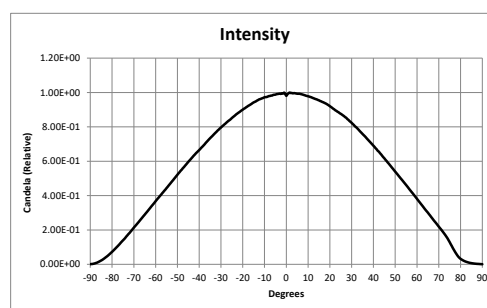
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	570	115	72
3200 K - Hybrid	402	99	62
3200 K - Spectral	335	82	51
4500 K - Brightest	978	240	150
4500 K - Hybrid	841	206	129
4500 K - Spectral	700	172	107
5600 K - Brightest	1,442	353	221
5600 K - Hybrid	1,272	312	195
5600 K - Spectral	1,086	266	166

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 8.663. For beam diameter at any distance, multiply by 2.560.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Medium Daylight HDR (PD16) - Heavy Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	4,390	11,941	298	40.1
3200 K - Hybrid	3,758	10,222	278	36.8
3200 K - Spectral	3,126	8,503	255	33.3
4500 K - Brightest	9,139	24,858	532	46.7
4500 K - Hybrid	7,858	21,373	452	47.3
4500 K - Spectral	6,543	17,795	373	47.7
5600 K - Brightest	13,478	36,659	784	46.8
5600 K - Hybrid	11,890	32,338	624	51.8
5600 K - Spectral	10,147	27,599	462	59.7

Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	410	107	64
3200 K - Hybrid	351	91	55
3200 K - Spectral	292	76	46
4500 K - Brightest	852	222	134
4500 K - Hybrid	733	191	115
4500 K - Spectral	610	159	96
5600 K - Brightest	1,257	327	197
5600 K - Hybrid	1,109	288	174
5600 K - Spectral	946	246	149

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.753.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Large Daylight HDR (PD24) - Standard Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	7,990	21,665	448	48.4
3200 K - Hybrid	6,714	18,205	395	46.1
3200 K - Spectral	5,458	14,798	338	43.8
4500 K - Brightest	15,804	42,850	814	52.6
4500 K - Hybrid	12,211	33,109	654	50.6
4500 K - Spectral	8,521	23,102	491	47.1
5600 K - Brightest	22,715	61,587	1,184	52.0
5600 K - Hybrid	17,080	46,310	916	50.6
5600 K - Spectral	11,387	30,874	647	47.7

Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	664	169	106
3200 K - Hybrid	558	142	89
3200 K - Spectral	454	116	72
4500 K - Brightest	1,314	335	209
4500 K - Hybrid	1,015	259	162
4500 K - Spectral	708	181	113
5600 K - Brightest	1,888	481	301
5600 K - Hybrid	1,420	362	226
5600 K - Spectral	947	241	151

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.654.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



PHOTOMETRY INFORMATION

fos/4 Panel Large Daylight HDR (PD24) - Light Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	8,233	21,613	448	48.2
3200 K - Hybrid	6,918	18,161	395	46.0
3200 K - Spectral	5,623	14,763	338	43.7
4500 K - Brightest	16,283	42,748	814	52.5
4500 K - Hybrid	12,581	33,030	654	50.5
4500 K - Spectral	8,779	23,047	491	46.9
5600 K - Brightest	23,403	61,440	1,184	51.9
5600 K - Hybrid	17,598	46,200	916	50.4
5600 K - Spectral	11,732	30,800	647	47.6

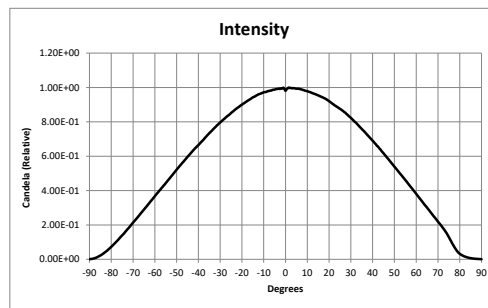
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	705	173	108
3200 K - Hybrid	592	145	91
3200 K - Spectral	481	118	74
4500 K - Brightest	1,394	341	214
4500 K - Hybrid	1,077	264	165
4500 K - Spectral	751	184	115
5600 K - Brightest	2,003	491	307
5600 K - Hybrid	1,506	369	231
5600 K - Spectral	1,004	246	154

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 8.663. For beam diameter at any distance, multiply by 2.560.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



fos/4 Panel Large Daylight HDR (PD24) - Heavy Diffuser

Mode	Candela	Total Lumens	Power Consumption	Lumens Per Watt
3200 K - Brightest	7,112	19,344	448	43.2
3200 K - Hybrid	5,976	16,254	395	41.1
3200 K - Spectral	4,858	13,213	338	39.1
4500 K - Brightest	14,067	38,259	814	47.0
4500 K - Hybrid	10,869	29,562	654	45.2
4500 K - Spectral	7,584	20,627	491	42.0
5600 K - Brightest	20,217	54,989	1,184	46.4
5600 K - Hybrid	15,202	41,349	916	45.1
5600 K - Spectral	10,135	27,566	647	42.6

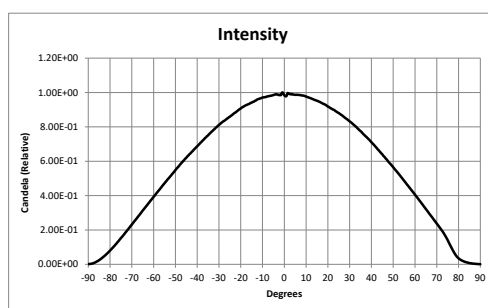
Illuminance (footcandles)

Mode	1 m	2 m	3 m
3200 K - Brightest	614	160	96
3200 K - Hybrid	516	134	81
3200 K - Spectral	420	109	66
4500 K - Brightest	1,215	316	191
4500 K - Hybrid	939	244	147
4500 K - Spectral	655	170	103
5600 K - Brightest	1,746	454	274
5600 K - Hybrid	1,313	341	206
5600 K - Spectral	875	228	137

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 9.021. For beam diameter at any distance, multiply by 2.753.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.



ADDITIONAL ORDERING INFORMATION

Power Input Cables

Use information below to order 5 ft power input leads with factory-fitted connectors. CE fixtures ship with 2 m powerCON® TRUE1 TOP to bare end (2500B7035).

MODEL	DESCRIPTION	PART NUMBER (NOT CE)
T1PA-A	5 ft TRUE1 TOP to parallel blade U-ground (Edison) connector	2500B7029-A
T1PA-B	5 ft TRUE1 TOP to 20 A two-pin and ground (stage-pin) connector	2500B7029-B
T1PA-C	5 ft TRUE1 TOP to grounded 20 A twistlock connector	2500B7029-C
T1PA-X	5 ft TRUE1 TOP to bare-end power input lead	2500B7029-X

Note: One cable of your choice is included with each fixture.

Power Thru Jumpers

Power thru jumpers connect to output (thru) connectors on small and medium panels to provide power to a successive luminaires inline.

MODEL	DESCRIPTION	PART NUMBER
T1PJ-5	5 ft TRUE1 TOP to TRUE1 TOP fixture to fixture jumper (ETL only)	2500B7030
T1PJ-10	10 ft TRUE1 TOP to TRUE1 TOP fixture to fixture jumper (ETL only)	2500B7031

Diffusion and Intensifiers

MODEL	DESCRIPTION	PART NUMBER
fos4P8HD	fos/4 Panel heavy diffusion, small	7471K1007
fos4P8SD	fos/4 Panel standard diffusion, small	7471K1001
fos4P8LD	fos/4 Panel light diffusion, small	7471K1010
fos4P8I	fos/4 Panel intensifier, small	7471K1004
	fos/4 Panel light and heavy diffusion kit, small	7471K1013
fos4P16HD	fos/4 Panel heavy diffusion, medium	7471K1008
fos4P16SD	fos/4 Panel standard diffusion, medium	7471K1002
fos4P16LD	fos/4 Panel light diffusion, medium	7471K1011
fos4P16I	fos/4 Panel intensifier, medium	7471K1005
	fos/4 Panel light & heavy diffusion kit, medium	7471K1014
fos4P24HD	fos/4 Panel heavy diffusion, large	7471K1009
fos4P24SD	fos/4 Panel standard diffusion, large	7471K1003
fos4P24LD	fos/4 Panel light diffusion, large	7471K1012
fos4P24I	fos/4 Panel intensifier, large	7471K1006
	fos/4 Panel light and heavy diffusion kit, large	7471K1015

ADDITIONAL ORDERING INFORMATION

Egg Crates and Honeycombs

MODEL	DESCRIPTION	PART NUMBER	
fos4P8EC40	fos/4 Panel Chimera® egg crate, 40-degree, small	PSF1137	
fos4P8EC50	fos/4 Panel Chimera egg crate, 50-degree, small	PSF1140	
fos4P8EC60	fos/4 Panel Chimera egg crate, 60-degree, small	PSF1143	
fos4P8HC30	fos/4 Panel honeycomb, 30-degree, small	PSF1146	
fos4P8HC60	fos/4 Panel honeycomb, 60-degree, small	PSF1149	
fos4P16EC40	fos/4 Panel Chimera egg crate, 40-degree, medium	PSF1138	
fos4P16EC50	fos/4 Panel Chimera egg crate, 50-degree, medium	PSF1141	
fos4P16EC60	fos/4 Panel Chimera egg crate, 60-degree, medium	PSF1144	
fos4P16HC30	fos/4 Panel honeycomb, 30-degree, medium	PSF1147	
fos4P16HC60	fos/4 Panel honeycomb, 60-degree, medium	PSF1150	
fos4P24EC40	fos/4 Panel Chimera egg crate, 40-degree, large	PSF1139	
fos4P24EC50	fos/4 Panel Chimera egg crate, 50-degree, large	PSF1142	
fos4P24EC60	fos/4 Panel Chimera egg crate, 60-degree, large	PSF1145	
fos4P24HC30	fos/4 Panel honeycomb, 30-degree, large	PSF1148	
fos4P24HC60	fos/4 Panel honeycomb, 60-degree, large	PSF1151	

Light Banks

MODEL	DESCRIPTION	PART NUMBER	
fos4P8CPB	Chimera pop bank, small for fos/4 Panel Small	PSF1152	
fos4P16CPB	Chimera pop bank, medium for fos/4 Panel Medium	PSF1153	
fos4P24CPB	Chimera pop bank, large for fos/4 Panel Large	PSF1154	

Barn Doors

MODEL	DESCRIPTION	PART NUMBER	
fos4P8BD	fos/4 Panel barn door, small	PSF1155	
fos4P16BD	fos/4 Panel barn door, medium	PSF1156	
fos4P24BD	fos/4 Panel barn door, large	PSF1157	

Multiverse

MODEL	DESCRIPTION	PART NUMBER	
CT-5900	City Theatrical Multiverse Show Baby	4360A1091	
CT-5902	City Theatrical Multiverse Node 900 MHz / 2.4 GHz	4360A1092	
CT-5903	City Theatrical Multiverse Node 2.4 GHz	4360A1093	
CT-5910	City Theatrical Multiverse Transmitter 900 MHz / 2.4 GHz	4360A1094	
CT-5911	City Theatrical Multiverse Transmitter 2.4 GHz	4360A1095	
CT-5912	City Theatrical Multiverse Transmitter 900 MHz	4360A1096	

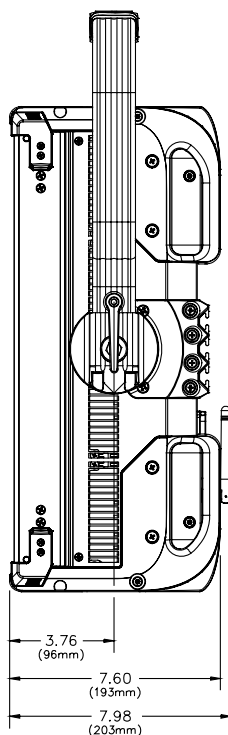
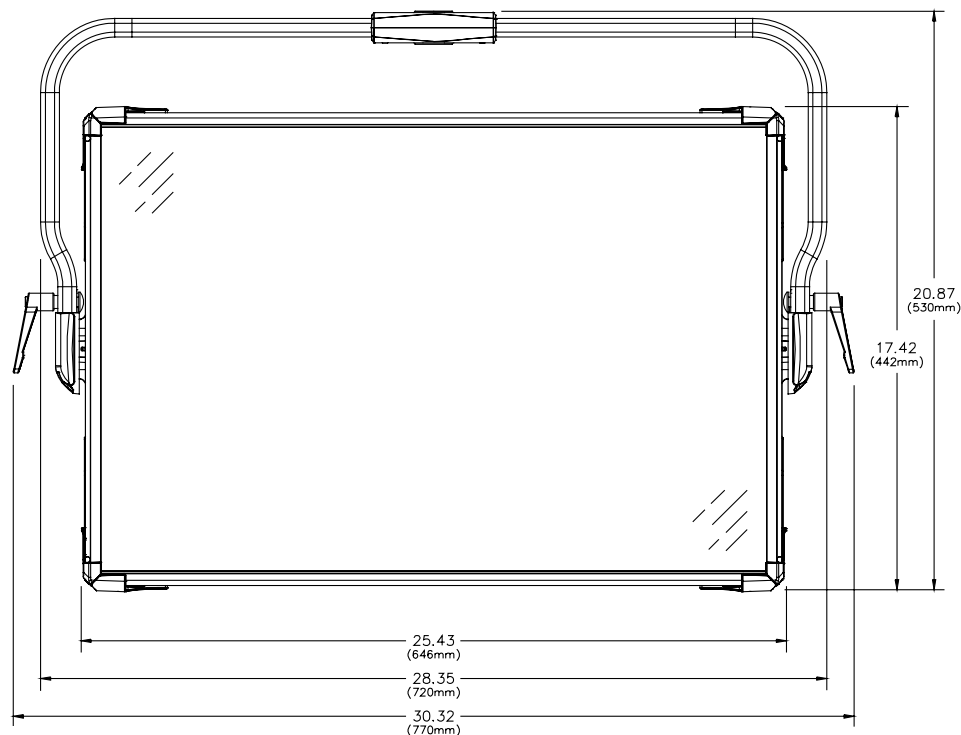
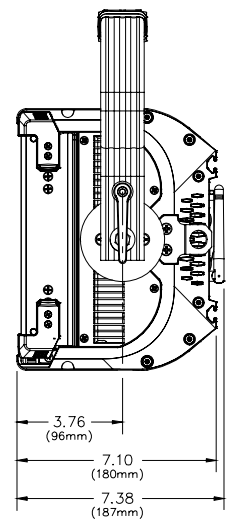
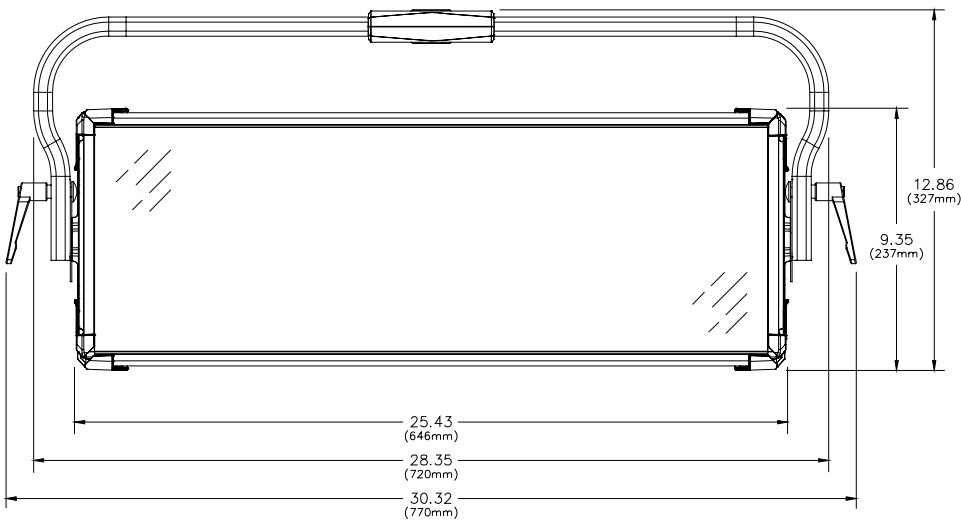
PHYSICAL INFORMATION

fos/4 Panel Dimensions

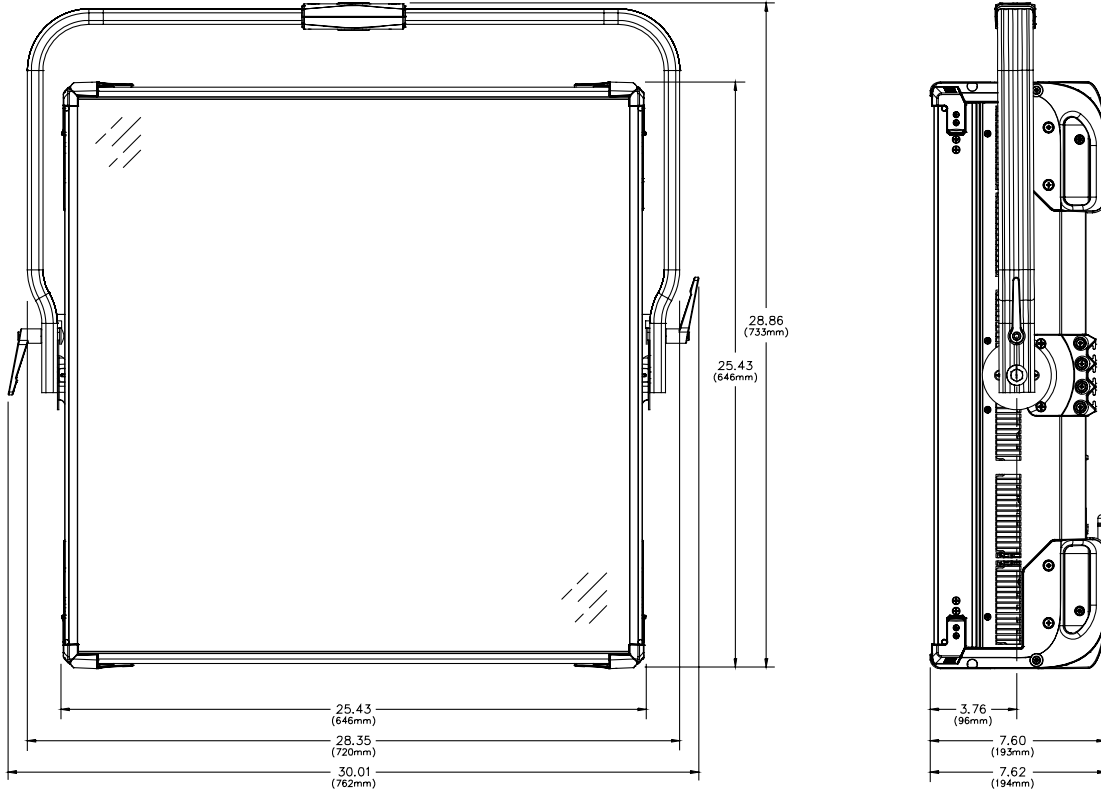
MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
fos/4 Panel - Small	9.35	237	25.43	646	7.38	187
fos/4 Panel - Medium	17.42	442	25.43	646	7.98	203
fos/4 Panel - Large	25.43	646	25.43	646	7.62	194

fos/4 Panel Weights

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
fos/4 Panel - Small	32	14.5	42	19.1
fos/4 Panel - Medium	56	25.4	72	32.7
fos/4 Panel - Large	79	35.8	95	43.1



PHYSICAL INFORMATION



Corporate Headquarters • Middleton, WI USA

Global Offices • London, UK • Rome, IT • Holzkirchen, DE • Paris, FR • Hong Kong • Dubai, UAE • Singapore • New York, NY • Orlando, FL • Los Angeles, CA

Copyright©2020 ETC. All Rights Reserved. All product information and specifications subject to change. Rev A 1/20

Trademark and patent info: etconnect.com/IP

etconnect.com