

SSL-FCLED2X2 SERIES



SSL-FCLED2X2

Product Description

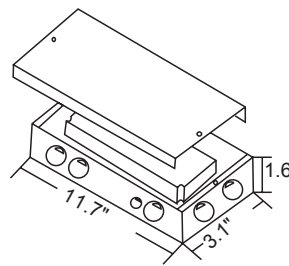
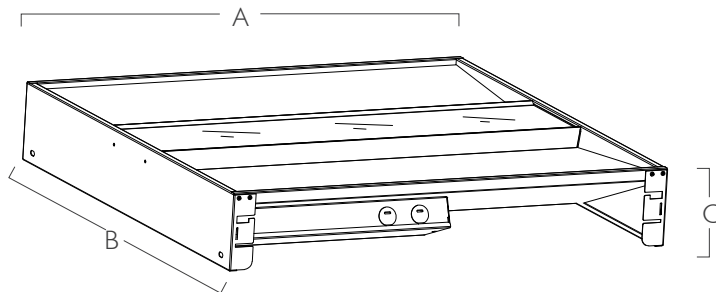
The SSL-FCLED2X2 is UL, DLC Listed, delivering high lumen of exceptional 80+ CRI light while achieve 104 lumens per watt. It is available in 4000K and 5000K DLC CCT options and 0 - 10V dimming, which is perfect for new construction applications or retrofitting existing fluorescent troffer fixtures with recessed installation, widely used in office spaces, major retail stores, education, government, healthcare, and hospitality.

Recommend Dimmers

- Leviton cat, Nos: AWRMG-7XX, AWSMG-7XX, AWSMT-7XX, IP710-LFX/DLX. Available at: www.leviton.com.
- Lutron cat, Nos: DIVA-DTV, NOVA-NVT, NOVAT-NTFTV W/PP20. Available at: www.lutron.com.

Features

- LED Chip
By using approved LM-80 SMD packing, active color management maintains superior color consistency overtime and temperature. Every fixture is tuned as a complete system to the optimal color point before shipment, ensuring fixture-to-fixture color consistency.
- Construction
It is made of steel and commercial quality paint coating. With bigger size MCPCB for better thermal management, it can separate heat dissipation to reduce the weight of the lamp heat sinking. IP Rating is Ip20. It has additional Zhaga standard mounting hole.
- Optical System
With central lens door, it is easy to replace the PCBA. It comes with double diffusion material to even the surface brightness. It is covered with a mask to prevent glare and also the high optical grade lens provides good efficiency and impact resistance.



Model Number	Input Power	Lumens	CCT	Dimensions (A x B x C)	Volt
SSL-FCLED2X2-2800/40	27W	2810lm	4000K	23.82" x 23.82" x 3.94"	100-277V
SSL-FCLED2X2-2800/50	27W	2988lm	5000K	23.82" x 23.82" x 3.94"	100-277V



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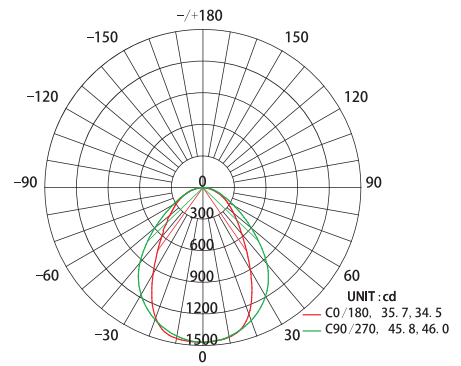


SSL-FCLED2X2-2800/40 & 50

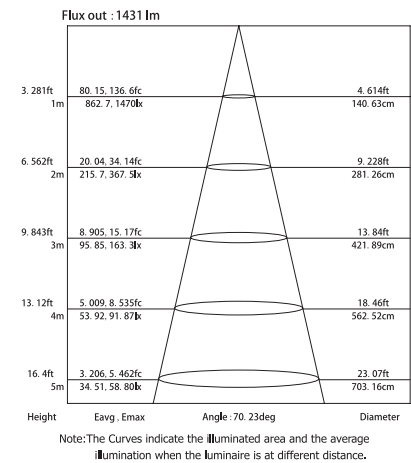
Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. It specifies the entire luminaires as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.

Luminous Intensity Distribution Program



Average Illuminance Curve



PERFORMANCE SUMMARY SSL-FCLED2X2-2800/40 SSL-FCLED2X2-2800/50

Efficiency	104.64LPW	110.87LPW
Input Voltage	120 - 277V	
Delivered light output	2810 lumens	2988 lumens
Input Power	27W	
CRI	Ra > 80	
CCT Options	4000K, 5000K	
THD	<20% (at 277V)	
Power Factor	>0.9866 (277V)	>0.9879 (277V)
Driver Output	DC36V 0.65A	
Standard Warranty	5 Years	
Standard Lifetime	Designed to L70 minimum 50,000 hours	
Mounting	Recessed	
Optional Function	Motion Sensor Available	
Sign Current	0.04 - 0.37MA	
Certificate	UL, cUL Listed, Energy Star Listed, FCC 47 Part 15, LM79 Report	
Usage	Suitable for damp locations	

Zonal Flux Diagram

T	C0	C45C	90	C135	C180	C225	c270	c315
10	1441	1440	1436	1446	1454	1443	1431	1438
20	1279	1332	1342	1346	1318	1343	1333	1326
30	899.1	1056	1190	1076	948.7	1080	1176	1045
40	574.1	702.6	944.1	719.8	608.9	723.4	930.0	689.5
50	381.8	428.9	602.3	444.3	408.7	443.3	595.6	423.2
60	259.6	266.5	338.3	279.3	282.2	278.2	330.3	261.5
70	153.3	156.6	177.6	167.9	172.1	165.8	173.0	154.5
80	54.77	66.45	79.18	73.74	68.87	72.60	75.08	64.41
90	0	0.0014	0.0880	0.2290	0.4952	0	0	0
DEG	LUMINOUS INTENSITY:cd							

Zonal Lumen Summary

T	Φ zone	Φ total	lum, lamp
0-10	138.9	138.9	4.94
10-20	393.7	532.6	19
20-30	554.0	1087	38.7
30-40	560.0	1647	58.6
40-50	458.6	2105	74.9
50-60	331.2	2436	86.7
60-70	219.9	2656	94.5
70-80	122.2	2778	98.9
80-90	31.01	2809	100
	UNIT:lm		

Coefficients of Utilization

ppc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio (CU)															
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	100
1.0	106	102	99	104	101	98	100	97	95	96	94	92	92	91	89	87
2.0	95	89	84	93	87	83	89	85	81	86	82	79	83	80	77	75
3.0	85	77	72	83	76	71	80	75	70	78	73	69	75	71	68	66
4.0	76	68	62	75	68	62	73	66	61	70	65	60	68	64	60	58
5.0	69	61	55	68	60	55	66	59	54	64	58	54	62	57	53	51
6.0	63	55	49	62	54	49	60	54	48	59	53	48	57	52	48	46
7.0	58	50	44	57	49	44	56	49	44	54	48	43	53	47	43	41
8.0	53	45	40	53	45	40	51	45	40	50	44	39	49	43	39	38
9.0	49	42	37	49	41	36	48	41	36	47	40	36	46	40	36	34
10.0	46	38	34	45	38	33	44	38	33	43	37	33	43	37	33	31



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