

Project:	Date
Type:	
Model:	

DESCRIPTION

Crafted for seamless integration into modern spaces, this lighting solution features a sturdy aluminum build with a low-profile design. Ideal for spaces with limited plenum, it fits standard 2x2, 1x4, or 2x4 grid ceilings, offering CCT and wattage selectability. This ensures a customizable lighting experience in commercial settings like open offices, classrooms, retail, and health-care facilities, providing a soft and comfortable illumination.

FEATURES

- The aluminum housing serves as an effective heat sink, optimizing the product's lifespan.
- Low profile design
- This product is rated for operation in ambient temperatures ranging from -4°F to 104°F.
- CCT Selectable: 3500K, 4000K and 5000K
- Wattage Selectable
- Efficacy 110lm/W standard and 125lm/W special order.
- 1-10V dimming
- DIP switch featured for effortless customization, allowing smooth adjustments between three CCT options and wattage settings.
- 5 year warranty



ORDER INFORMATION

EXAMPLE: LMJ22-WS-CCTS-Y



Series	Wattage Selectable	CCT Selectable	Voltage	Emergency Battery Backup
LMJ22 2x2 Troffer	WS Wattage Selectable	CCTS Color Temperature Selectable (3500K / 4000K / 5000K)	Y 120-277V	(Blank) w/o Battery Backup
LMJ24 2x4 Troffer				EB Emergency Battery Backup (90 minutes of illumination when AC power is removed)
LMJ14 1x4 Troffer				

Enter configuration: _____

Special order **

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

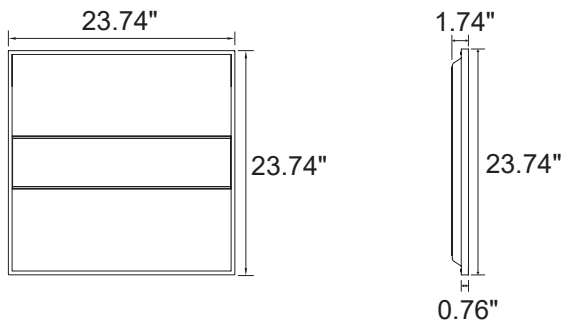
Additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

PERFORMANCE

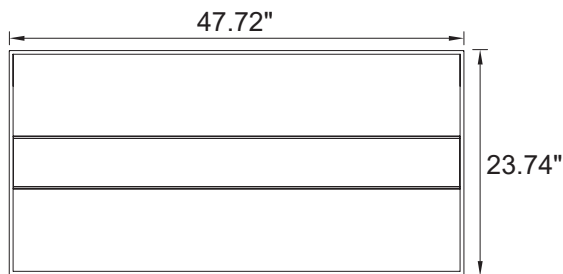
Model NO.	Dimension	Wattage Adjustable	Lumen Output			Efficacy	CCT Adjustable
			High	Medium	Low		
LMJ22	2'x2'	35W/30W/25W	3,850lm	3,300lm	2,750lm	Up to 110lm/w	3500K/4000K/5000K
LMJ24	2'x4'	50W/40W/30W	5,500lm	4,400lm	3,300lm	Up to 110lm/w	3500K/4000K/5000K
LMJ14	1'x4'	35W/30W/25W	3,850lm	3,300lm	2,750lm	Up to 110lm/w	3500K/4000K/5000K

DIMENSIONS

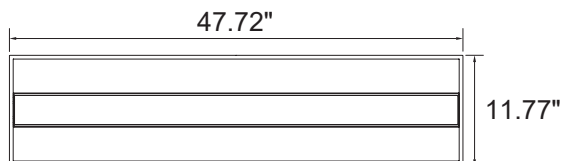
2x2ft



2x4ft










1x4ft



T-GRID CEILING COMPATIBILITY

This architectural recessed lighting solution is compatible with a wide range of 15/16" and 9/16" t-grid systems commonly found in commercial and institutional environments. The examples provided below illustrate its versatility and applicability.

9/16" Flat  Suprafine® XL	
9/16" Slot   Silhouette® 1/4" XL Silhouette® 1/8" XL	
9/16" Interlude   Interlude® XL Sonata® XL	
15/16" Flat   Prelude® XL Clean Room	

ELECTRICAL

LED Driver

Powered by a Class 2 high-efficiency LED driver, this system features standard 1-10V dimming capability, allowing continuous dimming down to 10%. Compatible with various types of controls, it has been tested with dimmers such as LUTRON® NTSTV-DV, LUTRON® DVSTV, LUTRON® MS-Z101, LEVITON® DD710, LEVITON® IP710, and LEGRAND® RH4FBL3PTC.

- THD: <20%
- Power Factor: >0.9
- Input Voltage: Standard electronic driver is UL recognized and available for 110-277VAC or 110-347VAC*

BUILT-IN EMERGENCY BATTERY BACK-UP

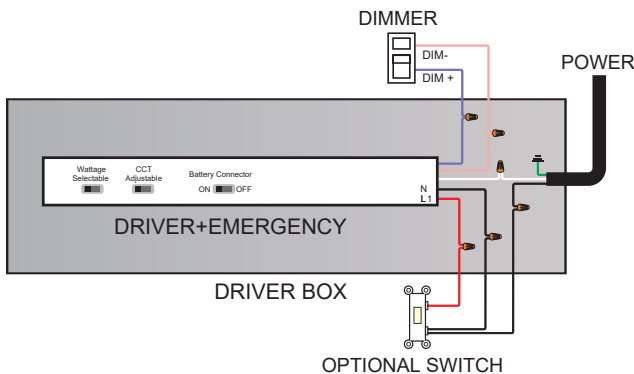
Luminoso LED introduces its latest troffer panel, boasting an integrated LED emergency driver that ensures essential illumination during power outages. Engineered to offer unparalleled uniformity and versatility, this panel showcases a sleek aluminum build, seamlessly integrating into contemporary architectural designs. Its compact yet robust construction is tailored to suit modern spaces, especially those with limited plenum clearance. Compatible with standard 2x2, 1x4, or 2x4 grid ceilings, its low-profile design enhances the ambiance of various commercial and institutional settings, including open offices, classrooms, retail outlets, and healthcare facilities, delivering a gentle and inviting illumination experience.



Size	Wattage Selectable	Efficacy	CCT Adjustable	Emergency Performance			
				Output Power	Output Voltage	Recharge	Emergency Operation
2'x2'	35W/30W/25W	110lm/w or 125lm/w	3500K/4000K/5000K	6W	30~54VDC	24 Hrs	≥90 Minutes
1'x4'	35W/30W/25W	110lm/w	3500K/4000K/5000K				
2'x4'	50W/40W/30W	110lm/w or 125lm/w	3500K/4000K/5000K				

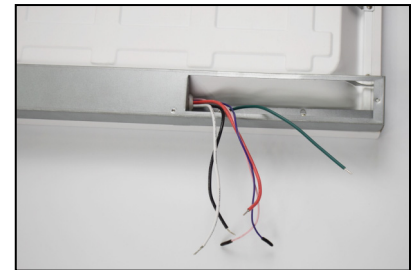
All efficacy is ±5% base on different CCT and wattage. Check the IES file to gain the accurate data.

WIRING DIAGRAM

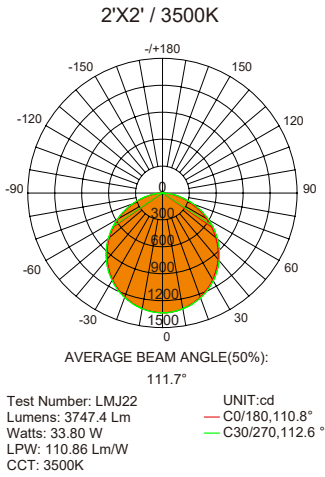


Integrated indicator. No J-Box, No Wiring Required!

This curved troffer comes with a built-in indicator, removing the necessity for a conventional J-Box and eliminating the need for extra labor. It's the ideal and cost-effective solution for emergency applications.



PHOTOMETRIC



Zonal Flux Diagram

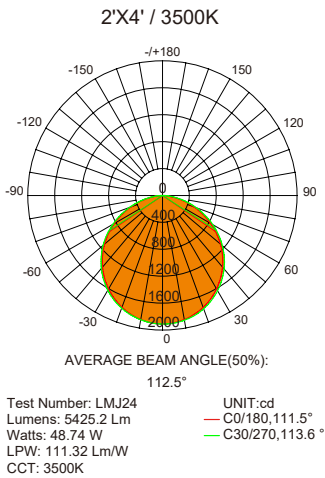
Y	C0	C45	C90C	135	C180
10	1308	1309	1311	1307	1306
20	1233	1236	1242	1233	1232
30	1118	1121	1132	1118	1115
40	964.2	968.6	983.4	966.3	961.9
50	777.6	785.4	802.5	783.2	777.2
60	566.6	575.9	594.9	575.0	568.6
70	344.4	354.0	372.1	354.2	346.5
80	128.7	139.2	154.9	139.9	132.6
90	0	0	0	0	0
100	0	0	0	0	0
110	0	0	0	0	0
120	1.021	0.0582	0.0031	0.0692	0.3140
130	1.326	0.1745	1.151	0.0346	0.9394
140	1.302	0	1.281	0	1.406
150	1.213	0	0.7683	0	1.452
160	0.8069	0	0.7699	0	1.452
170	1.023	0.1111	0.7715	0	1.452
180	1.196	0.1708	0.9402	0	1.452
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	φ total
0-10	126.1
10-20	486.2
20-30	1031
30-40	1686
40-50	2364
50-60	2972
60-70	3430
70-80	3686
80-90	3745
90-100	3745
100-110	3745
110-120	3745
120-130	3746
130-140	3746
140-150	3747
150-160	3747
160-170	3747
170-180	3747
DEG	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	4616	6897
80	7416	8919
75	8994	10072
70	10072	10875
65	10794	11451
60	11335	11895
55	11773	12229
50	12101	12481
45	12370	12675



Zonal Flux Diagram

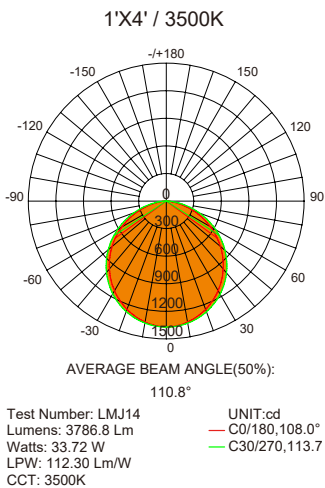
Y	C0	C45	C90C	135	C180
10	1871	1885	1882	1874	1870
20	1768	1790	1790	1772	1766
30	1605	1631	1635	1609	1603
40	1388	1414	1424	1393	1387
50	1123	1147	1161	1129	1124
60	821.0	840.5	860.8	829.1	824.3
70	500.1	515.0	538.1	508.5	504.0
80	185.1	205.2	225.2	204.5	198.1
90	0.0436	0.4280	1.015	0.3364	0
100	0	0.2581	0.7634	0	0
110	0.2049	0.3759	1.199	0.2440	0.2564
120	0.3209	0.4964	0	0.2991	0.4912
130	0.6043	0.4431	0	0.3249	0.9462
140	0.5623	0	0	0	1.032
150	0.5230	0	0	0	1.032
160	0.5951	0	0.1246	0	1.032
170	0.7622	0	0.1512	0.1108	1.032
180	0.6881	0	0.1698	0.1699	0.8602
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	φ total
0-10	180.6
10-20	697.7
20-30	1482
30-40	2429
40-50	3410
50-60	4293
60-70	4959
70-80	5333
80-90	5423
90-100	5423
100-110	5424
110-120	5424
120-130	5425
130-140	5425
140-150	5425
150-160	5425
160-170	5425
170-180	5425
DEG	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	7012	10530
80	10671	12962
75	13070	14547
70	14634	15729
65	15670	16562
60	16434	17211
55	17045	17696
50	17492	18060
45	17844	18351



Zonal Flux Diagram

Y	C0	C45	C90C	135	C180
10	1336	1347	1348	1340	1336
20	1254	1271	1281	1261	1252
30	1127	1150	1170	1138	1126
40	963.6	989.3	1020	978.3	964.1
50	769.5	795.2	834.4	786.5	771.1
60	551.3	576.8	620.4	571.2	554.9
70	322.2	345.0	387.4	343.2	327.4
80	102.7	128.4	159.0	128.4	111.3
90	0	0.0247	0.5103	0.0435	0
100	0	0	0.5118	0	0
110	0	0	0.5112	0	0
120	0	0.3431	0	0	0
130	0	0.5709	0	0.2935	0.2782
140	0	0.7287	0	0.4054	0.4477
150	0.0863	1.378	0	0.5128	0.6047
160	0.3184	1.551	0	1.301	0.7618
170	1.149	2.584	0.0846	0.398	1.383
180	1.209	2.671	0	2.658	1.468
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	φ total
0-10	129.4
10-20	498.5
20-30	1056
30-40	1724
40-50	2412
50-60	3025
60-70	3482
70-80	3729
80-90	3784
90-100	3784
100-110	3785
110-120	3785
120-130	3785
130-140	3785
140-150	3786
150-160	3786
160-170	3787
170-180	3787
DEG	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	4497	7271
80	5915	9158
75	8087	10431
70	9427	11330
65	10340	11958
60	11033	12412
55	11548	12744
50	11979	12985
45	12309	13172