

Project	
Type	
Notes	
Catalog No.	
Date	

L7400 Series LED Troffer (PCB)

The L7400 Series is designed to distribute light spaciouly along both vertical and horizontal planes. This fixture is ideally suited for commercial recessed grid, suspended or surface mount troffers.



Specifications

Applications

- Office
- Retail
- Schools
- Commercial
- Hospitals

Construction

- 22GA galvanized steel plate fabrication
- High reflective powder coating
- Frosted diffuser

Mounting

- Recessed

Options

- Emergency battery back-up

Warranty

- Five-year warranty. Terms and Conditions Apply.
See warranty documentation for more information.

Certification

- Adheres to LM79, LM80 and TM21 industry standards
- UL Listed
- DesignLights Consortium® (DLC) qualified
- Lighting Facts
- RoHS Compliant



Catalog Ordering Example

L74-24-30W-35K

L74			
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Family Type	Dimensions/Wattage	Color Temperature	Options
L74	22- 18W (2x2 18WT/ 2,224 lms)	35K (3500 Kelvin Temp)	EMR (Emergency Battery)
	22- 26W (2x2 26WT/ 3,276 lms)	40K (4000 Kelvin Temp)	
	22- 30W (2x2 28WT/ 3,557 lms)	50K (5000 Kelvin Temp)	
	22- 35W (2x2 35WT/ 4,445 lms)		
	24- 25W (2x4 25WT/ 3,550 lms)		
	24- 30W (2x4 30WT/ 3,840 lms)		
	24- 34W (2x4 34WT/ 4,290 lms)		
	24- 46W (2x4 46WT/ 5,842 lms)		

Specifications and Dimensions subject to change without notice. Contact factory for updates: (909) 948-8878

Safety Warning

FOR YOUR SAFETY, READ AND FOLLOW ALL INSTRUCTIONS TO PREVENT ELECTRIC SHOCK OR FIRE

- **INSTALLATION REQUIRES KNOWLEDGE OF LIGHTING LUMINAIRE ELECTRICAL SYSTEMS**
Contact qualified electrician prior to installation.
- **DISCONNECT POWER BEFORE INSTALLATION**
- **DO NOT ALTER PRE-EXISTING HOLES OR DRILL NEW HOLES**
- **CHECK FOR INCLOSED WIRING COMPONENTS PRIOR TO DRILLING**
Luminaire wiring, ballasts, power supplies or other electrical parts may be damaged.
- **USE ONLY ON COMPATIBLE LUMINAIRES**
Installation requires specific dimensions and construction features.
- **PROTECT WIRING FROM ABRASION**
Do not expose wiring to sharp objects or edges of sheet metal.

Installation Instructions

1. Disconnect Power to the circuit supplying power to the fixture
2. Removed the existing lamps and fixture
3. Disassemble new fixture to allow access to the LED Driver
4. Run existing power supply wires into fixture through fixture knock-out or end plug on fixture
5. Mount the fixture to surface, or hang fixture with appropriate fixture mounting hardware or install fixture in T-bar Ceiling (Be sure to follow local building codes for the appropriate fixture installation methods.)
6. Connect power supply wires to supplied wire disconnect to provide power to fixture
7. Re-assemble fixture
8. Re-connect power and check installation

Technical Information

Available CCT	35K, 40K & 50K
CRI	83+
Delivered Lumens	See Performance Data
Dimming	0-10V Dimming Standard
Efficacy	123+ LPW
Input Frequency	50/60 Hz
L70	122,000
Light Source	LED Board
Power Factor	> 0.95
Power Source	LED High Efficiency Power Supply
Rated Wattage	See Performance Data
Temperature Rating	-20°C – 40°C Ambient
THD	< 20%
Voltage	120V to 277V

Application Photo



Performance Data

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Tested Wattage (W)	5000K	
					Delivered Lumens (lm)	Efficacy (lm/W)
Frosted Lens	2'x2'	L7422-18W-50K	18	18	2,224	123
		L7422-26W-50K	26	26	3,276	126
		L7422-30W-50K	30	28	3,557	127
		L7422-35W-50K	35	35	4,445	127
	2'x4'	L7424-25W-50K	25	25	3,550	142
		L7424-30W-50K	30	30	3,840	128
		L7424-34W-50K	34	34	4,290	126
		L7424-46W-50K	46	46	5,842	127

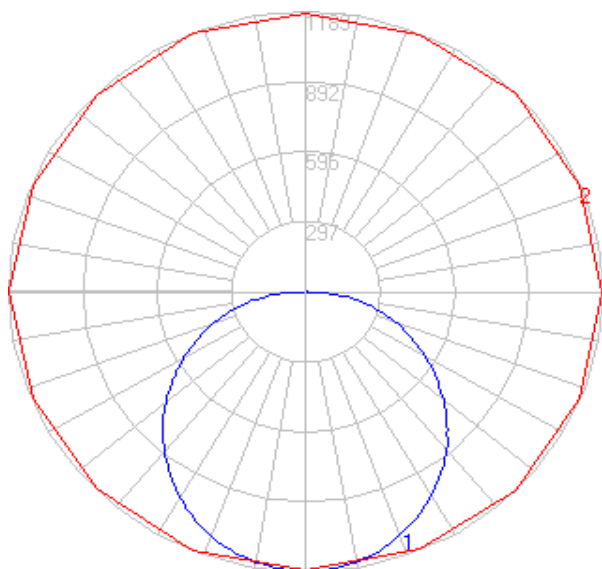
Photometric Data

L7424-30W-35K Tested in accordance to IESNA LM-79

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-10	112.18	3.12%
10-20	321.38	8.93%
20-30	487.38	13.55%
30-40	590.97	16.43%
40-50	619.42	17.22%
50-60	573.44	15.94%
60-70	465.59	12.94%
70-80	309.11	8.59%
80-90	111.39	3.09%
90-100	1.76	0.04%
100-110	0.87	0.02%
110-120	0.68	0.02%
120-130	0.67	0.02%
130-140	0.74	0.02%
140-150	0.69	0.02%
150-160	0.59	0.01%
160-170	0.46	0.01%
170-180	0.20	0.01%

Polar Graph

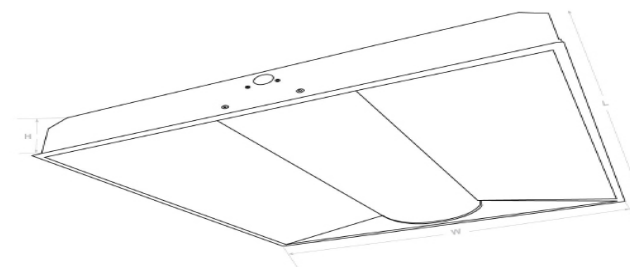


Physical Characteristics

Dimensions

Version	H	L	W
2x2	3.75"	21.50"	23.00"
2x4	3.75"	47.75"	23.87"

Line Drawing



Weights

Version	Weight
2x2	12lbs
2x4	21lbs