

<b>Project</b>	
<b>Type</b>	
<b>Notes</b>	
<b>Catalog No.</b>	
<b>Date</b>	

## 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**

<b>L74</b>			
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Family Type	Dimensions/Wattage	Color Temperature	Options
L74	22- 18W ( 2x2 18WT/ 2,224 lms)	35K (3500 Kelvin Temp)	EM7W (Emergency Battery Backup, 7 Watts, ~600 lms)*
	22- 26W ( 2x2 26WT/ 3,276 lms)	40K (4000 Kelvin Temp)	EM10W (Emergency Battery Backup, 10 Watts, ~800 lms)*
	22- 30W ( 2x2 28WT/ 3,557 lms)	50K (5000 Kelvin Temp)	EM10WT20 (Emergency Battery Backup, 10 Watts, Constant Power, Title 20 Compliant, ~1625 lms)*
	22- 35W ( 2x2 35WT/ 4,445 lms)		EM15WT20 (Emergency Battery Backup, 15 Watts, Constant Power, Title 20 Compliant, ~2400 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)		

\* Lumens will change based on fixture selection

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

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

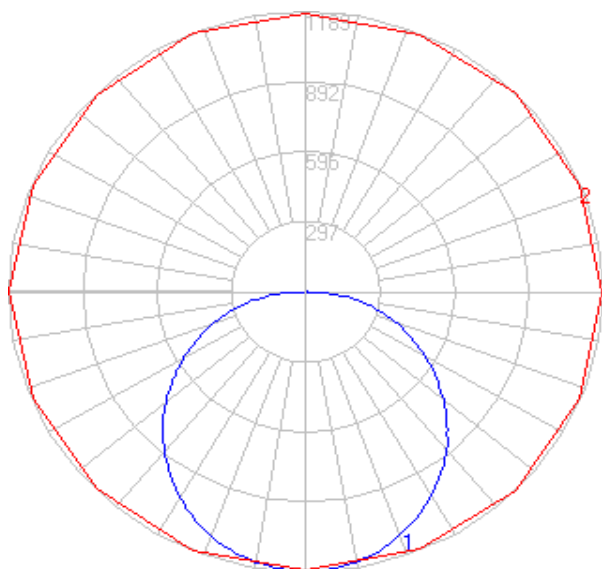
## Photometric Data

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

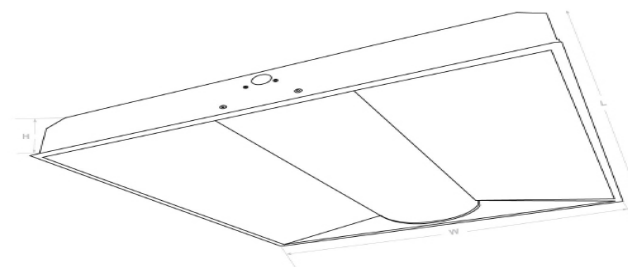


## Physical Characteristics

### 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