

| | |
|--------------------|--|
| Project | |
| Type | |
| Notes | |
| Catalog No. | |
| Date | |

L74-RFK Series

LED Troffer Kit (PCB)

The L74-RFK Series is designed to distribute light spaciouly along both vertical and horizontal planes. This fixture is ideally suited for commercial recessed T- Bar grid.



Specifications

Applications

- Office
- Retail
- Schools
- Commercial
- Hospitals

Construction

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

Mounting

- Recessed T-Bar

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

L74-24-36W-35K-RFK

| | | | |
|------------|--|--|--|
| L74 | | | |
|------------|--|--|--|

| Family Type | Dimensions/Wattage | Color Temperature | Options |
|-------------|---------------------------------|------------------------|--|
| L74 | 22- 18W (2x2 16WT/ 2,139 lms) | 35K (3500 Kelvin Temp) | RFK (Retrofit Kit) |
| | 22- 23W (2x2 23WT/ 2,969 lms) | 40K (4000 Kelvin Temp) | EM7W (Emergency Battery Backup, 7 Watts, ~600 lms)** |
| | 22- 30W (2x2 30WT/ 3,900 lms) | 50K (5000 Kelvin Temp) | EM10W (Emergency Battery Backup, 10 Watts, ~800 lms)** |
| | 22- 33W (2x2 33WT/ 4,158 lms) | | EM10WT20 (Emergency Battery Backup, 10 Watts, Constant Power, Title 20 Compliant, ~1625 lms)** |
| | 24- 23W (2x4 23WT/ 2,944 lms) | | EM15WT20 (Emergency Battery Backup, 15 Watts, Constant Power, Title 20 Compliant, ~2400 lms)** |
| | 24- 30W (2x4 30WT/ 3,810 lms) | | OS (Occupancy Sensor) |
| | 24- 33W (2x4 33WT/ 4,158 lms) | | PRGOS-XX (Programmable Sensor to be Specified) |
| | 24- 36W (2x4 36WT/ 4,791 lms) | | |
| | 24- 42W (2x4 42WT/ 5,460 lms) | | |
| | 14- 26W (1x4 26WT/ 3,276 lms) | | |
| | 14- 30W (1x4 30WT/ 3,750 lms)* | | |

*Not DLC Listed ** 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

| | |
|--------------------|----------------------------------|
| Available CCT | 35K, 40K & 50K |
| CRI | 83+ |
| Delivered Lumens | See Performance Data |
| Dimming | 0-10V Dimming Standard |
| Efficacy | 125+ 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-RFK | 18 | 16 | 2,139 | 134 |
| | | L7422-23W-50K-RFK | 23 | 23 | 2,969 | 129 |
| | | L7422-30W-50K-RFK | 30 | 30 | 3,900 | 130 |
| | | L7422-33W-50K-RFK | 33 | 33 | 4,158 | 126 |
| | 2'x4' | L7424-23W-50K-RFK | 23 | 23 | 2,944 | 128 |
| | | L7424-30W-50K-RFK | 30 | 30 | 3,810 | 127 |
| | | L7424-33W-50K-RFK | 33 | 33 | 4,158 | 133 |
| | | L7424-36W-50K-RFK | 36 | 36 | 4,791 | 133 |
| | 1'x4' | L7424-42W-50K-RFK | 42 | 42 | 5,460 | 130 |
| | | L7414-26W-50K-RFK | 26 | 26 | 3,276 | 126 |
| | | L7414-30W-50K-RFK | 30 | 30 | 3,750 | 125 |

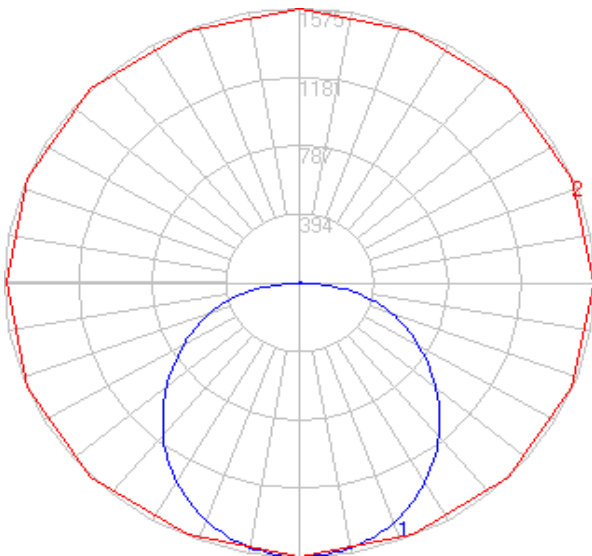
Photometric Data

L7424-36W-35K-RFK Tested in accordance to IESNA LM-79

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-10 | 148.69 | 3.16% |
| 10-20 | 425.28 | 9.05% |
| 20-30 | 642.57 | 13.67% |
| 30-40 | 773.24 | 16.45% |
| 40-50 | 804.56 | 17.12% |
| 50-60 | 745.16 | 15.86% |
| 60-70 | 612.65 | 13.03% |
| 70-80 | 403.49 | 8.59% |
| 80-90 | 124.34 | 2.65% |
| 90-100 | 3.65 | 0.08% |
| 100-110 | 3.08 | 0.07% |
| 110-120 | 2.89 | 0.06% |
| 120-130 | 2.66 | 0.06% |
| 130-140 | 2.22 | 0.05% |
| 140-150 | 1.84 | 0.04% |
| 150-160 | 1.41 | 0.03% |
| 160-170 | 0.99 | 0.02% |
| 170-180 | 0.40 | 0.01% |

Polar Graph

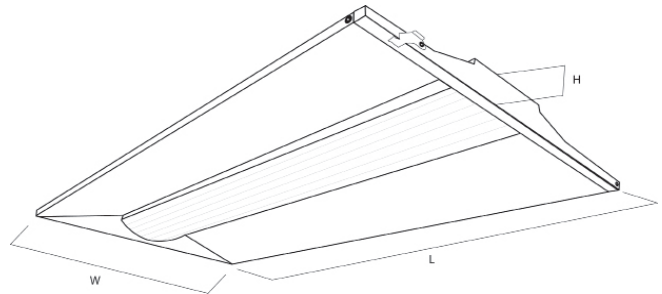


Physical Characteristics

Dimensions

| Version | H | L | W |
|---------|-------|--------|--------|
| 2x2 | 2.87" | 23.87" | 24.00" |
| 2x4 | 2.87" | 45.50" | 23.00" |
| 1x4 | 2.87" | 45.50" | 10.87" |

Line Drawing



Weights

| Version | Weight |
|---------|--------|
| 2x2 | 12lbs |
| 2x4 | 19lbs |
| 1x4 | 12lbs |