TRK14
Troffer Retrofit Kit

The LED Troffer Retrofit Kits are designed to replace traditional fluorescent fixtures. The retrofit kit is designed to deliver unparalleled performance and efficiency meeting stringent energy requirements. The full door assembly quickly attaches to the existing housing with all work conducted from below the ceiling saving time and money on installation. Engineered for the renovation market and well suited for schools, offices, hospitals, auditoriums and many more applications.

Features & Specifications

Optical System

- High transmission impact resistant diffuse acrylic radius lens eliminates bright spots from individual LED's and provides high vertical illumination and visual comfort.
- Use of closely spaced medium-power, high brightness chips minimizes pixilation and provides uniform lens luminance.
- Available in 4000K and 3500K color temperatures per ANSI C78.377.
- Minimum CRI of 80.

Electrical

- Class 2 high-performance programmable driver features short circuit, open circuit protection for LED + and LED - and temperature foldback. Driver complies with FCC standards.
- 0-10 volt dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) input 50/60Hz. Plealse check the DLC Qualified Products list at www.designlights.org/QPL to confirm which versions are qualified.
- L70 Calculated Life: >36k Hours @ 25°C per IESNA TM-21-11. (See Lumen Maintenance on Page 2)
- Total harmonic distortion: <20%
- Power factor: >.90
- Input power stays constant over life.
- Optional (120-277V) integral 10 watt battery backup is available. The 90-minute batteries provide constant power to the LED system.

Construction

- Rigid housing is die-formed 24-gauge cold rolled steel for consistency and strength.
- Luminaire is painted after fabrication following treatment with phosphate rust inhibitor. Finish coat of housing is high reflectance white (minimum 92%) polyester powder.
- Shipping weight: 12 lbs

Installation

- Suitable for retrofitting fluorescent troffers.
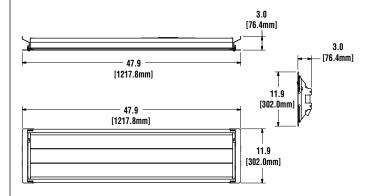- Remove existing components i.e. fluorescent lamps, sockets, ballasts.

Dimensions

3.0 [76.4mm]

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47.9 [1217.8mm]

11.9 [302.0mm]

47.9 [1217.8mm]

11.9 [302.0mm]

Features & Specifications (cont.)

Warranty
• LSI LED Fixtures carry a 5-year warranty.

Listing
• Listed to UL 1598 and UL 8750 for 25ºC Ambient applications
• RoHS Compliant.
• Suitable For Damp Locations.

Photometry
• See website for IES and photometric files

Performance

TRK14 DELIVERED LUMENS*		3500K CCT		4000K CCT		
LUMEN PACKAGE	CRI	DELIVERED LUMENS	EFFICACY	DELIVERED LUMENS	EFFICACY	WATTAGE
32L	80	3046.0	121.0	3037	121.0	25.1

TRK14 ELECTRICAL DATA (Amps)*				
Lumen Package	120V	208V	240V	277V
32L	0.21	0.12	0.10	0.09

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

Recommended Lumen Maintenance[1]						
LUMENS	AMBIENT TEMP C	INITIAL[2]	25K HR[2]	50K HR[3]	75K HR[3]	100K HR[3]
32L	25C	101%	94%	87%	81%	75%

Specifications and dimensions subject to change without notice.

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.

2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing

3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing

*LED chips are frequently updated therefore values are subject to change.

Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE:	TRK14 LED 32L UNV DIM 40 80CRI

Family Size	LED Gen	Lumen Package	Voltage	Driver	Color Temp	CRI	Controls	Options	Packaging
TRK14- 1x4	LED	32L - 3200	UNV - 120-277V	DIM - Dims to 10% (0-10V)	35 - 3500K 40 - 4000K	80CRI - 80 CRI	(Blank) - None	EM10 - 10W Battery Backup	(Blank) - Single Pack