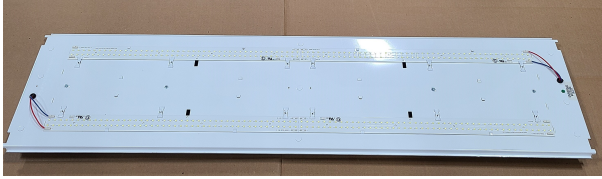




# L<sup>R</sup>K Series



## Description

The **L<sup>R</sup>K (LED Retrofit Kit) Series** is the perfect solution to easily transform existing fluorescents into energy saving and high performing LED fixtures. The **L<sup>R</sup>K Series** installs directly into any SLP (Scientific Lighting Products) Citadel 4 enclosure, including our FLB-RS Series fixtures. It consists of an LED gear tray and spare frosted or clear lens. Two lumen packages are available.

### Retrofit kit includes:

- (1) New **LED Geartray** with **LED boards** and **LED Driver(s)** installed, completely wired for a "Plug and Play" replacement.
- (1) New Acrylic or Polycarbonate **Lens** replacement.
- (2) Lens tethers and retaining rings.
- (1) Multipage instructional sheet for conversion.

### Performance Data

Lumen Package	Lens (Arcylic)	CCT	Actual Lumens	System Watts	Lumens per Watt	CRI
16L-2R	Frosted	4000K	16,028	103	156	84
		5000K	16,335	103	159	83
16L	Frosted	4000K	16,753	115	145	81
		5000K	17,088	110	155	81
24L-2R	Frosted	4000K	23,580	160	147	84
		5000K	24,870	158	157	83
24L	Frosted	4000K	24,515	179	137	82
		5000K	25,005	174	144	84

*Numbers in italics are calculated using LED manufacturers' data*

Date	Catalog #
Type	Project
Prepared by	Comments

## Features and Specifications

### ELECTRICAL

Universal voltage (120V - 277V) driver, optional 480V available. Retrofit Kits supplied with Nichia LEDs, 4000K or 5000K, greater than 80 CRI on LEI custom boards.

### GEARTRAY

The painted 22 gauge metal gear tray secures to the existing SLP Citadel 4 enclosure by four existing internal stainless steel retainer clips and can be dropped from either side for quick and easy maintenance.

### LENS

Impact resistant UV stabilized, frosted acrylic lens is held in place by the existing SLP Citadel 4 enclosure's twelve latches. The frosted lens is recommended to manage glare from the LEDs. Optional clear acrylic and polycarbonate lenses available.

### CERTIFICATIONS

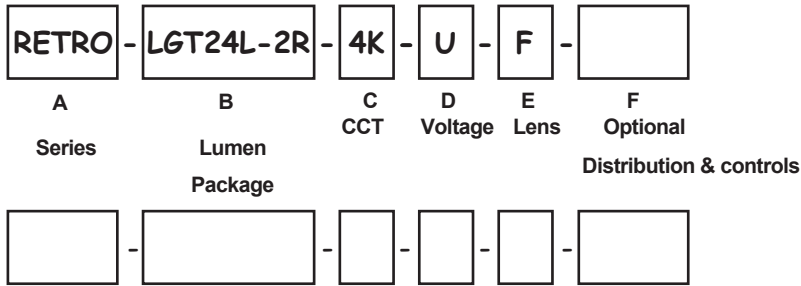
- ETL listed UL 1598C for LED Retrofit Kits
- ETL listed UL 1598C for Battery Back-Up
- ETL listed CSA Std C22.2 No. 250.0

## Warranty

- 5-year limited warranty.  
(See LEI's LED Warranty for complete details.)

## Ordering Information

Example Catalog Number - RETRO-LGT24L-2R-4K-U-F



### Catalog Logic:

#### A. Series

RETRO = LRK (LED Retrofit Kit)

#### B. Lumen Package

LGT16L-2R = 16,000 2-Row

LGT24L-2R = 24,000 2-Row

LGT24L = 24,000 4-Row

#### C. CCT

4K = 4000K, 80 CRI

5K = 5000K, 80 CRI

#### D. Voltage

U = (120V-277V)

48 = 480V

UNB = (120V-277V) Non-Switching Battery Back-Up

USB = (120V-277V) Switching Battery Back-Up

48NB = 480V Non-Switching Battery Back-Up

48SB = 480V Switching Battery Back-Up

#### E. Lens

F = Frosted Acrylic

C = Clear Acrylic

PCF = Frosted Polycarbonate

PCC = Clear Polycarbonate

#### F. Optional Distribution & Controls

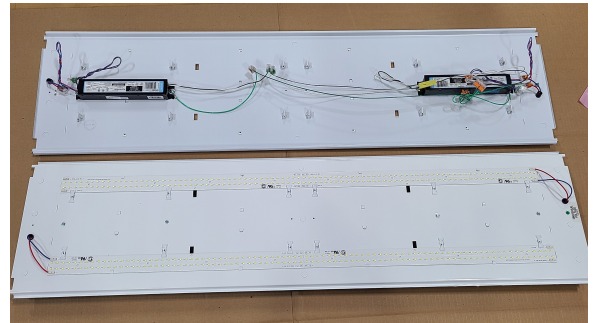
M30 = Aisle Distribution

DMS = Dimming Motion Sensor (0-10V)

## Kitting pictures



Each kit is individually sleeved and fits 4 retrofit kits per box



Pictured 2 row configuration with drivers installed.  
Front and back



Pictured "Frosted" lens (included) - Clear is optional

### OPERATING RANGE:

(120-277) = UP TO 50C

(480V) = UP TO 45C

Consult factory for all available options & configurations.

Not all configurations of this fixture may be DLC qualified. Please consult the DLC Qualified Products list @ [www.designlights.org](http://www.designlights.org) to see if the version in which you are interested is listed.