

PROJECT:	
CATALOG #	
TYPE:	DATE:

## LED TRI-LEVEL SWITCH DIMMING MAGNETIC RETROFIT



Litetronics has simplified the process of converting fluorescent troffers to LED and at the same time provide step-dimming functionality without the need for additional wires or dimmer switches. Our Tri-Level “Switch” Dimmable 2x4 Magnetic Retrofits allow the user to cycle through 3 distinct light levels using only the existing line voltage wiring and light switch. Upon turning on, the initial light level will be 100% but subsequent flips of the switch will reduce the level to 66% and then 33% and then OFF.

To minimize installation costs, each unit is equipped with rare earth magnets at both ends, allowing the installer to magnetically attach the retrofit to the inside of the troffer, leaving them with two free hands for wiring and alignment before securing the final screws.

The Magnetic Retrofit generates up to 157 LPW of flicker free, consistent light, which results in a significant reduction in energy use compared to fluorescent fixtures and an improved overall look for your space. Another key benefit is a reduction in maintenance. This LED retrofit is rated for a 100,000-hour life (@L70), meaning that you'll see very little light loss over a long period of time, and to provide further peace of mind, it's backed by a 10-year warranty.

### BENEFITS

- Ability to cycle through 3 light levels using existing line voltage and switch
- Significant reduction in energy use over fluorescent bulbs
- Consistent, flicker free light output
- Simple installation process
- Avoid breaking into ceiling plenum
- Suitable for damp locations
- Compatible with Emergency Battery Backup

### KEY FEATURES

- DLC Premium (157 LPW)
- Rare earth magnets
- 100,000-hour rated life
- 10-year warranty
- Flicker free driver
- Switch controlled step-dimming
- DLC Premium rating (pending)

### MARKETS

- Schools and universities
- Offices and municipal buildings
- Healthcare facilities and hospitals

### APPLICATIONS

- Grid/drop ceilings
- Fluorescent troffers



## SPECIFICATIONS

**Average rated life:** 100,000 hours @ L70

**Warranty:** 10 years

**Operating temperature:** -5°F to 95°F

**Input voltage:** 120-277V

**Power factor:** ≥0.9

**CRI:** 82

**UL/cUL listed:** Yes

**RoHS compliant:** Yes

**DLC rating:** Premium

## ACCESSORIES

- Large junction box for wiring
- Emergency Battery Backup

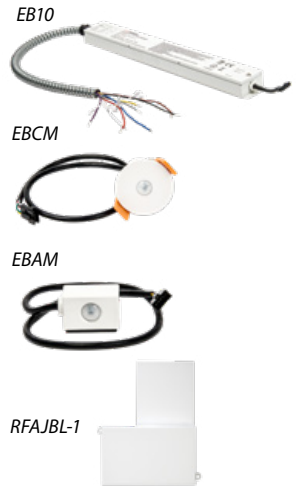
## ORDERING INFORMATION

### 2' X 4' 3-TUBE

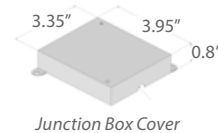
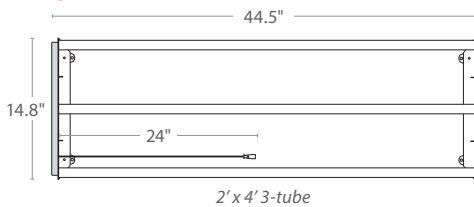
WATTS	DESCRIPTION	ORDERING CODE	CCT (K)	RETROFIT LUMENS
35, 23, 12	2' x 4' LED Magnetic Retrofit with Switch Dimming in 3500K	RFM3T435DW	3500	5495, 3615, 1885
35, 23, 12	2' x 4' LED Magnetic Retrofit with Switch Dimming in 4000K	RFM3T440DW	4000	5495, 3615, 1885
35, 23, 12	2' x 4' LED Magnetic Retrofit with Switch Dimming in 5000K	RFM3T450DW	5000	5495, 3615, 1885

### ACCESSORIES

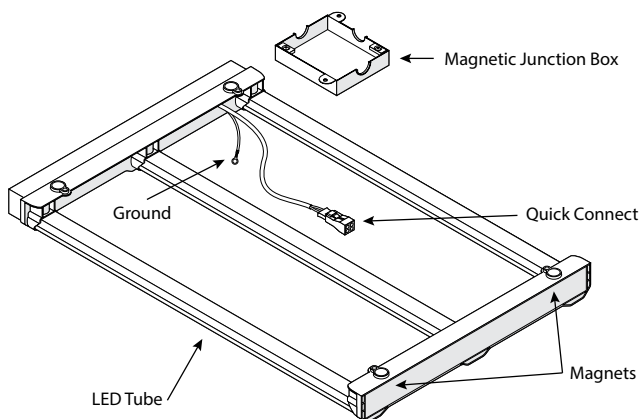
MODEL #	DESCRIPTION	USAGE
EB10	10W Emergency Battery Backup	Supplies battery backup to an individual fixture for up to 90 minutes. <u>Must be ordered with EBCM or EBAM indicator module.</u>
EBCM	Ceiling-Mounted Indicator Module	This Ceiling-Mounted Indicator Module (EBCM) can be used with one of Litetronics' emergency battery backup products (EB10, EB10N or EB20) to provide a visual confirmation of the operational status of the EBB unit. This module is typically used in grid ceiling applications where it is recess mounted in a panel adjacent to the fixture.
EBAM	Adhesive-Mounted Indicator Module	This Adhesive-Mounted Indicator Module (EBAM) must be used with one of Litetronics' emergency battery backup products (EB10, EB10N or EB20) to provide a visual confirmation of the operational status of the EBB unit. This module is typically used in open ceiling or drywall ceiling applications where the module is applied to the side of the fixture, mounting kit, or a nearby structural element.
RFAJBL-1	Large Retrofit Junction Box	Provides space for electrical wiring when needed



## SIZING



## PRODUCT OVERVIEW



## INSTALLATION PROCESS

