



## LED Troffer Retrofit Kit

Application and Specification Sheet | 2016



**Quick and Easy** Installation

**Reduce Labor** and Disposal Costs

**Maximize ROI** and Payback Period

**Continuous Dimming** 0-10V

**Ultra High Efficacy**

**DLC Premium QPL**

**Reduce Maintenance** 75,000 Hours of Life

**7-Year** Limited Warranty

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**LED LIGHTING**

## LTR™ Series

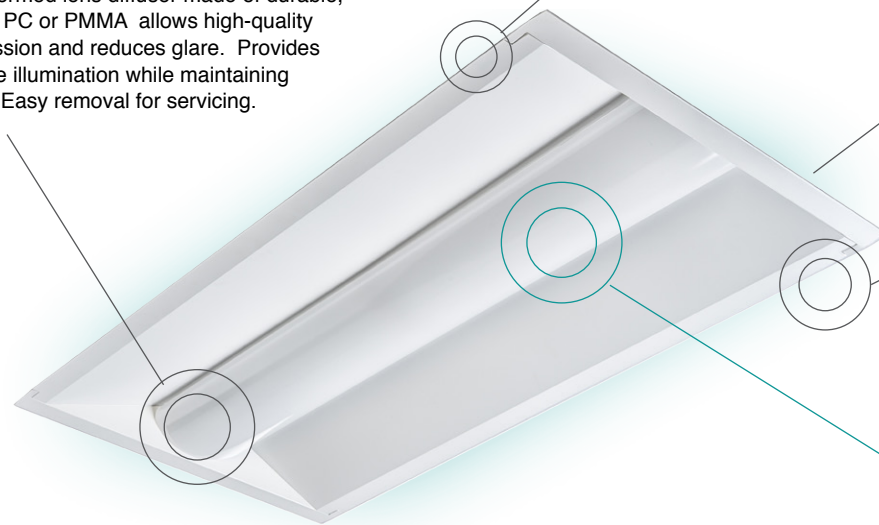
### LED Troffer Retrofit Kit

#### Optical Diffuser

Precision-formed lens diffuser made of durable, high-grade PC or PMMA allows high-quality light emission and reduces glare. Provides comfortable illumination while maintaining efficiency. Easy removal for servicing.

#### Quick and Easy Installation

Installs in most troffer luminaires. Retrofit kit fits within troffer and ceiling T-bar grid, eliminating need to remove existing fixture housing. Reduce labor and disposal costs.



### Features

#### Ultra High Efficacy

Optimized LED system that delivers up to 131 lm/W, enabling superior performance, increased light output and reduced energy consumption.

#### High Quality Engineering and Manufacturing

Engineered to deliver performance, manufactured to last. Intensive quality control, precision manufacturing process, and experience component qualification ensure quality.

#### Safety Certification

UL Classified. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2.

#### Better Quality Light

Reduced glare, high color quality (CRI>83), consistent color, and improved optical performance.

#### Performance Qualifications

DLC Premium QPL listed.

#### Warranty

7-year Limited Warranty. See warranty documentation for more information.

### Benefits

#### Improve ROI and Payback

The high-efficiency retrofit kit offers the advantages of considerable energy savings, lower labor installation costs, reduced disposal costs, and rebate incentive opportunities present incredibly attractive ROI and payback periods.

#### Reduced Maintenance

Long life LED system reduces maintenance costs. Modular LED engine and driver allows for convenient servicing and replacement, eliminating the need to replace luminaire housing.

#### Lower Operating Cost

Extreme efficiency, dimmability, sensor-compatibility, and cooler operation reduces energy demand and increases energy savings.

#### Utility Rebate Opportunities

Potential for faster payback and increased ROI with potential utility rebate qualifications to offset initial costs and decrease capital expenditure. Check with Aleo rep and local utility for details.

#### Improved Space

Luminaire offers better illumination to spaces, potentially improving occupant comfort, employee productivity, retail appeal, safety and security.

## High Performance Smart Retrofit

Deep Energy-Savings | Optimized Payback

### Luminaire Quick Disconnect

Comes equipped with luminaire quick disconnect for safety and code compliance.

### Industry-leading Warranty

Backed by 7-year limited warranty. Leading design and engineering, state-of-the-art manufacturing, and premium components ensure system longevity.

### Finish

High-quality post-painted powder coating allows easy handling and installation. No rough edges. High-reflectivity coating improves optics and reflectivity.

### Safety

UL Classified for safety. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2.



### Dimming

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance.

### LED System

LTR Retrofit Kit utilizes high-performance components to deliver industry-leading efficacy and reliability. Modular LED modules and driver allow for serviceability and maintenance.

### Electrical

LED driver with constant current design optimized for efficiency. System engineered and designed to run at cool temperatures, improving life and reliability.

## Form Factor Selection

2x2 18W | 25W

2x4 36W | 44W



## Performance Highlights

Efficacy	Up to 125 lm/W
Rated Life	75,000 hours
Warranty	7-year Limited Warranty
CRI	83+, R9 > 0
Available CCT <sup>1</sup>	4000K
L70 <sup>3</sup>	> 72,000 hours
Dimming	0-10V Continuous (10-100%)
Qualifications	DLC Premium QPL
Certification	UL Classified

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LED LIGHTING

## LTR™ Series

### LED Troffer Retrofit Kit

The Aleo LTR™ Series Troffer Retrofit Kit delivers industry-leading performance with deep energy savings and continuous dimming. Easy and quick installation reduces labor cost and optimizes ROI. The retrofit kit eliminates the need to replace existing luminaire housing, which reduces install time and disposal/removal costs. The precision-formed diffuser produces comfortable and pleasant illumination, enhancing productive spaces in various applications.



#### APPLICATIONS

Provides architectural aesthetics for retail, schools, offices, healthcare, and other various commercial applications.



### Specification Features

#### Construction

Simple construction with minimal parts allows for easy handling and installation. Luminaire features matte white durable finish.

#### Optical System

Reflector systems features highly reflective coating and delivers balanced, comfortable illuminance for productive spaces. Diffuser lens reduces glare and improves occupant comfort while maintaining high efficiency emission.

#### Certification

UL Classified. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium

#### Warranty

7-year Limited Warranty. See warranty documentation for more information.

#### Electrical

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage (120-277V) for convenient installation. Comes equipped with luminaire quick-disconnect.

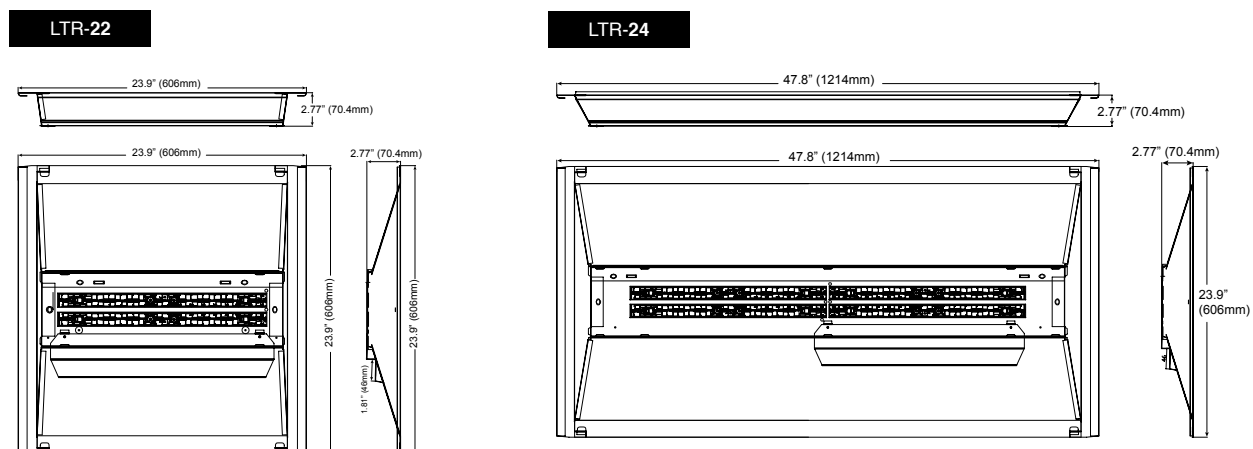
#### Installation / Mounting

Installs in most troffer luminaires. Retrofit kit fits within troffer and ceiling T-bar grid, eliminating need to remove existing fixture housing.

#### Controls / Dimming

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance.

### Product Dimensions





## LTR™ Series

### LED Troffer Retrofit Kit

#### Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
CRI	83+, R9 > 0
Available CCT¹	4000K
Rated Life	75,000 hours
L70³	> 72,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)

#### Accessory Options

##### Emergency Battery Backup

Factory-installed, integrated emergency lighting system with battery backup. Auto battery recharge. 90 min. emergency operation with various lumen options

##### High-End Trim Controller

Luminaire-integrated controller to adjust high-end output. Great for optimizing rebate opportunities and further slashing energy. Reduces inventory burden by reducing SKUs

#### Ordering Information

Example: LTR-24LE-36/840

LTR	24	LE	44	8	40	[Blank]	[Blank]
<b>Series</b> <b>LTR</b> LED Troffer Retrofit Kit	<b>Form Factor</b> <b>22</b> 2'x2' <b>24</b> 2'x4'	<b>Lumen Package</b> <b>LE</b> Low Wattage	<b>Rated Wattage</b> <b>2'x2'</b> <b>2'x4'</b> <b>18</b> 18W <b>36</b> 36W <b>25</b> 25W <b>44</b> 44W	<b>CRI</b> <b>8</b> 83+	<b>Color Temp</b> <b>40</b> 4000K	<b>Input Voltage</b> <b>Blank</b> 120V-277V	<b>Dimming</b> <b>Blank</b> 0-10V Continuous Dimming
Options							
<b>Emergency Backup</b> <b>EM500</b> 500lm <b>EM700</b> 700lm <b>EM1400</b> 1400lm				<b>Controls</b> <b>WA</b> Fixture-integrated high-end trim			





## LTR™ Series

Improve occupant comfort, employee productivity, retail appeal, patient healing, student alertness, corporate image with improved lighting quality and architectural aesthetics.

### Commercial Office Spaces



### Education and Classroom



### Corporate Campus



## LTR™ Series

### LED Troffer Retrofit Solution

Versatile solution for drop-ceiling applications that require architectural aesthetics, significant energy-savings, and improved lighting quality





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SS-LTR-1016 / Rev. 0

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