

LTR™ Series

LED Troffer Retrofit Kit - Sensor Ready



DESCRIPTION

The Aleo LTR™ Series Troffer Retrofit Kit delivers industry-leading versatility 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 commercial applications.

LTR™ SERIES

2x4 34W / 28W / 20W / 17W
2x2 30W / 25W / 18W / 15W
1x4 30W / 25W / 18W / 15W

QUICK SHIP

LTR-24-UXL/8CT G7-HD (SR/RC)
 LTR-24-UXL/8CT G7-HD (SR/RC)-EM1200
 LTR-14-UXL/8CT G7-HD (SR/RC)

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 luminance 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.
- 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.
- FIELD ADJUSTABLE WATTAGE & CCT**
 Increased versatility and reduced inventory burden. Wattage and Color Temp. can be adjusted in the field by selecting (4) different wattages and (5) different CCTs via switch on driver.

ORDERING INFORMATION

EXAMPLE: LTR-24-UXL/8CT G7-HD (SR/RC)

LTR	24	UXL	8	CT	[Blank]	[Blank]	[Blank]
Series	Form Factor	Lumen Package	CRI	Color Temp	Design	Sensor	Dimming
LTR LED Troffer Retrofit Kit	24 - 2'x4' 22 - 2'x2' 14 - 1'x4'	UXL Field Adjustable 2'x4' 34W / 28W / 20W / 17W 2'x2' 30W / 25W / 18W / 15W 1'x4' 30W / 25W / 18W / 15W	8 83+	CCT Field Adjust. 2700K 3000K 3500K 4000K 5000K *Utilize 5-way switch to select	HD Hinged Door Design	(SR/RC) Sensor Ready with sensor receptacle	Blank 0-10V Continuous Dimming

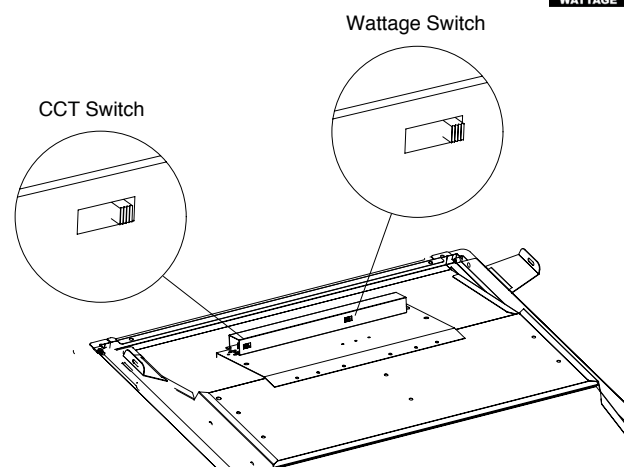
Options

Controls	Emergency Backup ¹	Accessories	Designation
See Pg. 5 for details on sensors and controls (Sensor Sold Separately)	EM700 700lm EM1200 1200lm EM1400 1400lm	EMLC/DR Emergency Automatic Lighting Control Relay -AH Air Handling	BAA Buy America Act Compliant BABAA Build America, Buy America Act Compliant

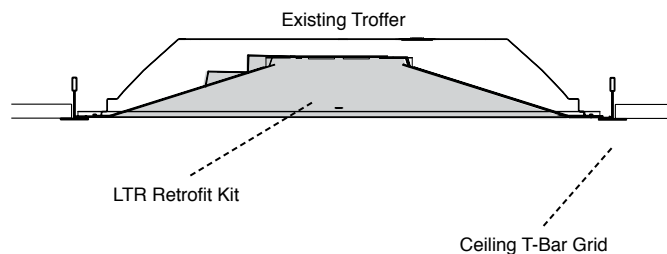
Specifications and Dimensions subject to change without notice.



FIELD-ADJUSTABLE CCT & WATTAGE



MOUNTING INFORMATION



PERFORMANCE SUMMARY

Input Voltage	120V-277V	Color Consistency	5-step MacAdam Ellipse
Input Frequency	50/60 Hz	Rated Life	75,000 hours
Rated Wattage	See Performance Table	L70	> 54,000 hours
Delivered Lumens	See Performance Table	Power Factor	> 0.9
Efficacy	> 143 LPW (typ.)	THD	< 20%
CRI	83+, R9 > 0	Dimming	0-10V Continuous (10-100%)
Available CCT	2700K / 3000K / 3500K / 4000K / 5000K	Operating Temp.	-20°C to 50°C

¹ IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY
Specifications and Dimensions subject to change without notice.

PERFORMANCE DATA

	Catalog No.	Nominal Wattage	Color Temperature	Lumens (lm)	Wattage (W)	Efficacy (lm/W)
2'x4'	LTR-24-UXL/8CT G7-HD (SR/RC)	17	2700K	2,604	17.0	153.2
			3000K	2,663	16.8	158.5
			3500K	2,739	16.6	165.0
			4000K	2,745	16.7	164.4
			5000K	2,706	17.0	159.2
		20	2700K	2,827	18.7	151.2
			3000K	2,893	18.5	156.4
			3500K	2,979	18.3	162.8
			4000K	2,984	18.4	162.2
			5000K	2,938	18.7	157.1
		28	2700K	3,717	25.1	148.1
			3000K	3,815	24.9	153.2
			3500K	3,908	24.5	159.5
			4000K	3,943	24.8	159.0
			5000K	3,863	25.1	153.9
		34	2700K	4,648	32.5	143.0
			3000K	4,766	32.2	148.0
			3500K	4,882	31.7	154.0
			4000K	4,912	32.0	153.5
			5000K	4,830	32.5	148.6
2'x2'	LTR-22-UXL/8CT G7-HD (SR/RC)	15	2700K	2,365	15.2	155.6
			3000K	2,433	15.0	162.2
			3500K	2,488	14.8	168.1
			4000K	2,511	15.0	167.4
			5000K	2,496	15.2	164.2
		18	2700K	2,683	17.4	154.2
			3000K	2,764	17.2	160.7
			3500K	2,831	17.0	166.5
			4000K	2,852	17.2	165.8
			5000K	2,831	17.4	162.7
		25	2700K	3,630	24.3	149.4
			3000K	3,737	24.0	155.7
			3500K	3,823	23.7	161.3
			4000K	3,838	23.9	160.6
			5000K	3,830	24.3	157.6
		30	2700K	4,211	28.9	145.7
			3000K	4,344	28.6	151.9
			3500K	4,454	28.3	157.4
			4000K	4,466	28.5	156.7
			5000K	4,442	28.9	153.7

Specifications and Dimensions subject to change without notice.

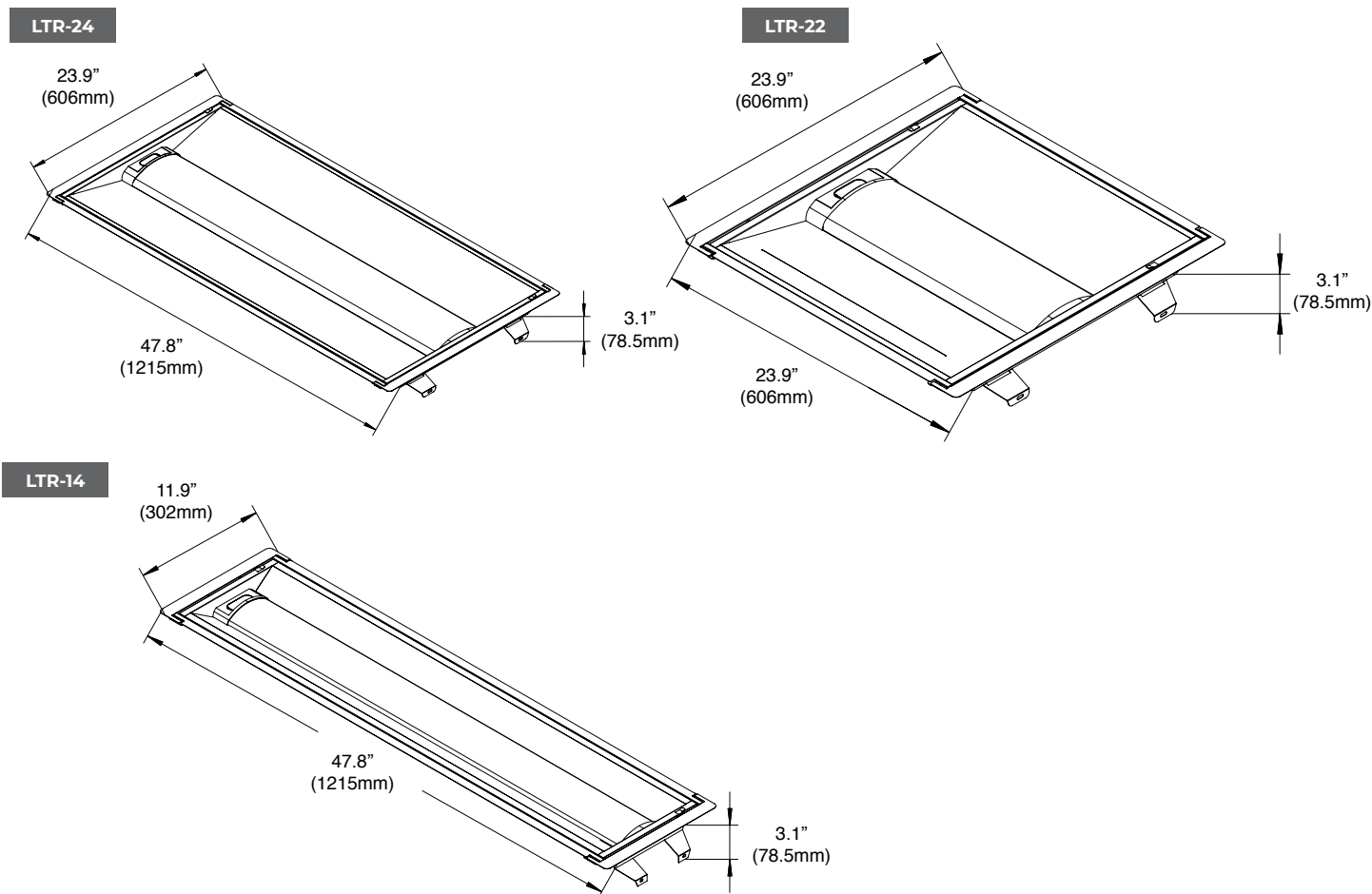
PERFORMANCE DATA

	Catalog No.	Nominal Wattage	Color Temperature	Lumens (lm)	Wattage (W)	Efficacy (lm/W)
1'x4'	LTR-14-UXL/8CT G7-HD (SR/RC)	15	2700K	2,297	15.3	150.1
			3000K	2,394	15.0	159.6
			3500K	2,403	14.9	161.3
			4000K	2,455	15.1	162.6
			5000K	2,442	15.3	159.6
		18	2700K	2,608	17.5	149.0
			3000K	2,709	17.1	158.4
			3500K	2,738	17.1	160.1
			4000K	2,792	17.3	161.4
			5000K	2,790	17.6	158.5
		25	2700K	3,501	24.4	143.5
			3000K	3,662	24.0	152.6
			3500K	3,685	23.9	154.2
			4000K	3,761	24.2	155.4
			5000K	3,754	24.6	152.6
		30	2700K	4,065	29.1	139.7
			3000K	4,232	28.5	148.5
			3500K	4,263	28.4	150.1
			4000K	4,357	28.8	151.3
			5000K	4,339	29.2	148.6

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PRODUCT DIMENSIONS

 **MOQ** Carton Qty: 2



PRODUCT OPTIONS

SENSOR OPTIONS

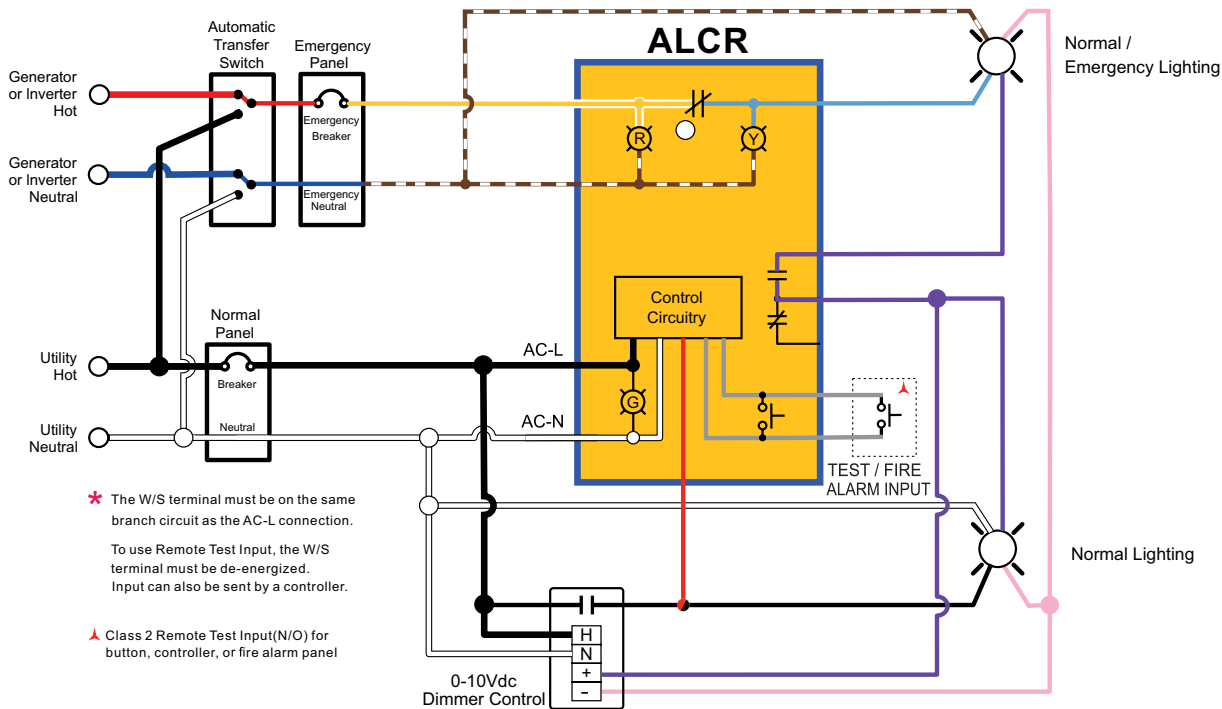
Catalog No.	Description	Ordering	Shipping	Remote Control	Sensor Mounting
AB-SPiR-FM-DVE	AleoBlue Multi-level Wireless Bluetooth Occ Sensor w/ Daylight	Order and Ship Separately	Field Install	AleoBlue App	Snap-in
IFS108.B1	SimplBlue Multi-level Wireless Bluetooth Occ Sensor w/ Daylight	Order and Ship Separately	Field Install	SimplBlue App	Snap-in
-OSDL/BT	AleoBlue™ Multi-level Wireless Bluetooth® Occupancy Sensor w/ Daylight	Order with Model No.	Factory Install	AleoBlue™ App	N/A



Specifications and Dimensions subject to change without notice.

EMERGENCY AUTOMATIC LIGHTING CONTROL RELAY (EMLC/DR) OPTION

Allows full brightness operation of the luminaire from the generator or inverter, regardless of local controls/sensor settings. Senses the loss of normal AC power and bypasses the local switch device or dimmed setting, allowing emergency power directly to the fixture.



BAA AND BABAA COMPLIANT

BAA - BUY AMERICA ACT COMPLIANT

Complies and Qualifies for projects requiring Buy America Act (BAA) compliant product

BABAA - BUILD AMERICA, BUY AMERICA COMPLIANT

Complies and Qualifies for projects requiring Build America, Buy America Act (BABAA) compliant product



*Note: BAA and BABAA product will require lead times approximately ranging from 12-18 weeks. Contact your Aleo representative for more information

aleoblue™

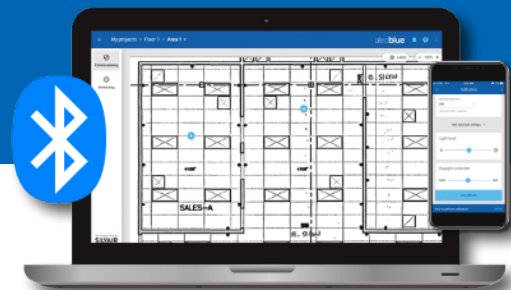
LOOKING FOR ADDITIONAL ALEOBLUE CONTROL DEVICES?

Enhance your lighting system with optional AleoBlue control devices designed to expand functionality and simplify installation. [Click here](#) or scan the QR code to view all currently available options.



aleo | LIGHTING + CONTROLS

ALEOBLUE WIRELESS BLUETOOTH® CONTROLS

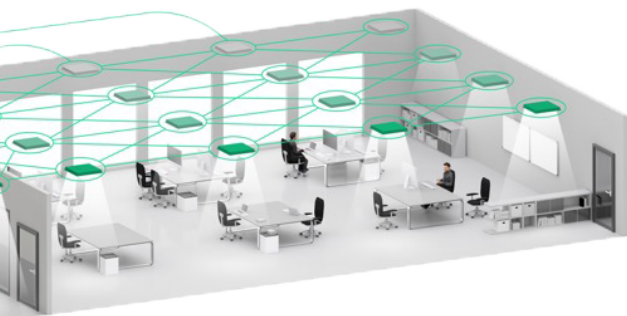


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth® NLC lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

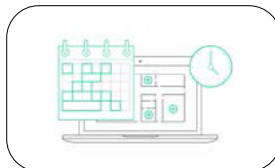
DLC NLC Qualified.

FEATURES AND BENEFITS

- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- High-End Trim
- LLLC (Luminaire Level Lighting Controls)
- Energy Monitoring
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility
- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertise required
- Optimized for commercial spaces of any size
- No additional wiring or central control box
- Customizable lighting control parameters
- Future proof with Software Updates
- Multiple Zone Configurable
- Built-In Scenarios + Customization



SCHEDULING



SCENES



BLUETOOTH® NLC TECHNOLOGY ADVANTAGES



The fastest low-power communication



Scalability to thousands of devices



The most advanced encryption standards as well as the cutting-edge device authentication

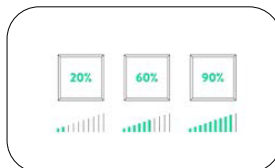


No single point of failure (no central device)

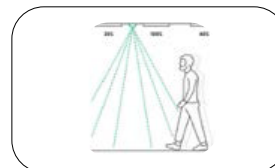


Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth® 4.0 and Bluetooth® 5)

HIGH / LOW END TRIM

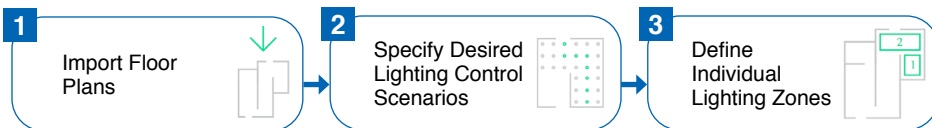


OCCUPANCY SENSING



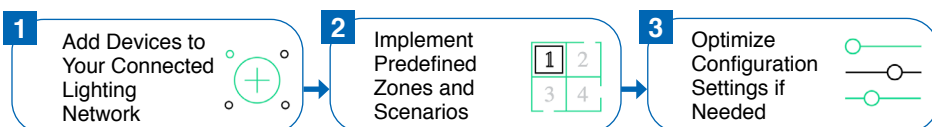
PLANNING

Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



IMPLEMENTATION

Adding lighting devices to the Bluetooth® NLC network on-site with the use of an iOS app. Customization and calibration of lighting control parameters during and after the commissioning process. Defining scenes for specific working activities.



PROVISIONING / CONFIGURATIONS

The Bluetooth® NLC Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth® NLC compatible app.

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