aleo LIGHTING + CONTROLS

Project	
Type	Date
Cat. No.	

LT-CD™ Series

Volumetric LED Troffer - Field Adjustable

aleoblue



DESCRIPTION

The Aleo LT-CD™ (SR/RC) Series LED Field Adjustable Troffer delivers industry-leading Versatility with deep energy savings and continuous dimming. 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.

LT-CD™ SERIES

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

QUICK SHIP

LT-CD-24-UXL-35/8CT G7 (SR/RC)
LT-CD-24-UXL-35/8CT G7 (SR/RC)-EM1200
LT-CD-22-UXL-30/8CT G7 (SR/RC)

SPECIFICATION FEATURES

- **CONSTRUCTION**
  Simple construction with minimal parts allows for easy handling and installation. Low profile design optimizes shipping, storage, and handling. Luminaire features matte white durable finish. Integral T-Bar clips built into luminaire. Diffuser requires no additional frame or fastener for easy installation.
- **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 Listed. 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 standard T-Bar ceiling grid systems. Flange kit available for hard-lid/drywall applications.
- **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: LT-CD-24-UXL-35/8CT G7 (SR/RC)

LT-CD	24	UXL	34	8	CT	[Blank]	[Blank]
Series	**Form Factor**	**Lumen Package**	**Nominal Max Wattage**	**CRI**	**Color Temp**	**Input Voltage**	**Dimming**
LT-CD Volumetric LED Troffer - Center Diffuser	**24 -** 2'x4' **22 -** 2'x2'	**UXL** Field Adjustable	2'x4' **35** 34W / 28W / 20W / 17W 2'x2' **30** 30W / 25W / 18W / 15W	**8** 83+	**CCT Field Adjust.** 2700K 4000K 3000K 5000K 3500K *Utilize 3-way switch to select	**Blank** 120V-277V	**Blank** 0-10V Continuous Dimming

Options		
Sensor	**Controls**	**Emergency Backup[1]**
(SR/RC) Sensor Ready with Sensor Receptacle	See Pg. 4 for details on sensors and controls (Sensor Sold Separately)	**EM700** 700lm **EM1200** 1200lm **EM1400** 1400lm **EMLC/DR** Emergency Automatic Lighting Control Relay

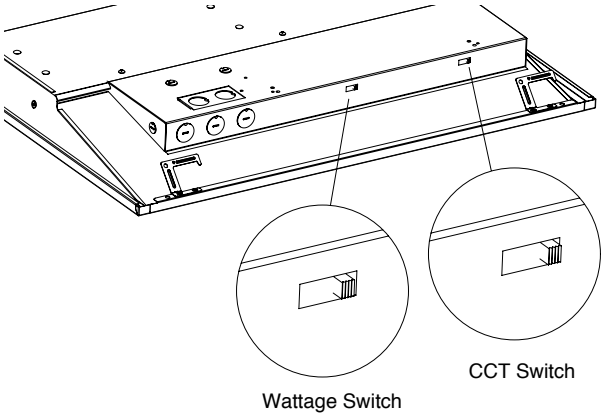
Designation	
BAA	Buy America Act Compliant
BABAA	Build America, Buy America Act Compliant

Specifications and Dimensions subject to change without notice.

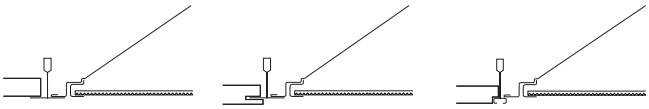
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FIELD-ADJUSTABLE CCT & WATTAGE



MOUNTING INFORMATION



Lay-in (Standard) Concealed Slot Grid

* Fits 9/16, 15/16 and SS T-bar grid.
  Flange kit available upon request

PERFORMANCE SUMMARY

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 142 LPW (typ.)
CRI	82+, R9 > 0
Available CCT	2700K / 3000K / 3500K / 4000K / 5000K

Color Consistency	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70	> 72,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
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

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PERFORMANCE DATA

	Catalog No.	Nominal Wattage	Color Temperature	Lumens (lm)	Wattage (W)	Efficacy (lm/W)
2'x4'	LT-CD-24-UXL-35/8CT G7 (SR/RC)	17	2700K	2,630	16.9	155.6
			3000K	2,712	16.8	161.4
			3500K	2,726	16.5	165.2
			4000K	2,754	16.7	164.9
			5000K	2,743	16.9	162.3
		20	2700K	2,837	18.6	152.5
			3000K	2,925	18.5	158.1
			3500K	2,947	18.2	161.9
			4000K	2,957	18.3	161.6
			5000K	2,957	18.6	159.0
		28	2700K	3,744	25.3	148.0
			3000K	3,853	25.1	153.5
			3500K	3,883	24.7	157.2
			4000K	3,907	24.9	156.9
			5000K	3,906	25.3	154.4
		34	2700K	4,617	32.4	142.5
			3000K	4,741	32.1	147.7
			3500K	4,781	31.6	151.3
			4000K	4,817	31.9	151.0
			5000K	4,815	32.4	148.6
2'x2'	LT-CD-22-UXL-30/8CT G7 (SR/RC)	15	2700K	2,388	15.7	152.1
			3000K	2,499	15.4	162.3
			3500K	2,535	15.3	165.7
			4000K	2,558	15.5	165.0
			5000K	2,566	15.6	164.5
		18	2700K	2,567	17.1	150.1
			3000K	2,691	16.8	160.2
			3500K	2,730	16.7	163.5
			4000K	2,751	16.9	162.8
			5000K	2,775	17.1	162.3
		25	2700K	3,480	23.9	145.6
			3000K	3,667	23.6	155.4
			3500K	3,711	23.4	158.6
			4000K	3,726	23.6	157.9
			5000K	3,764	23.9	157.5
		30	2700K	4,056	28.4	142.8
			3000K	4,267	28.0	152.4
			3500K	4,307	27.7	155.5
			4000K	4,337	28.0	154.9
			5000K	4,372	28.3	154.5

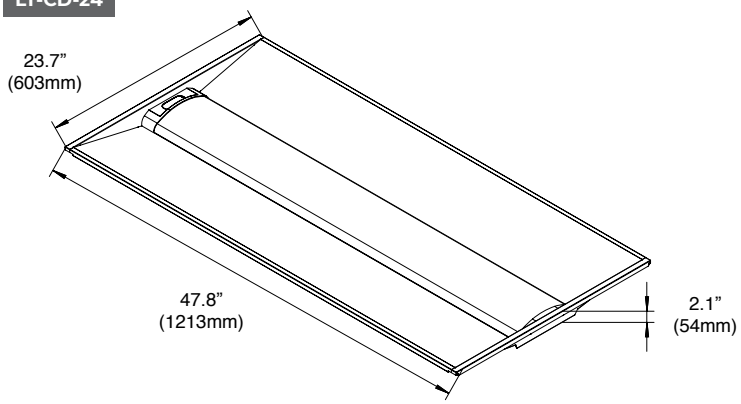
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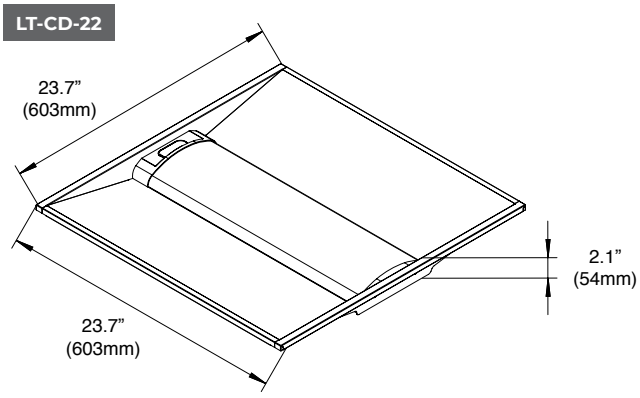
PRODUCT DIMENSIONS

MOQ Carton Qty: 2

LT-CD-24



LT-CD-22



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



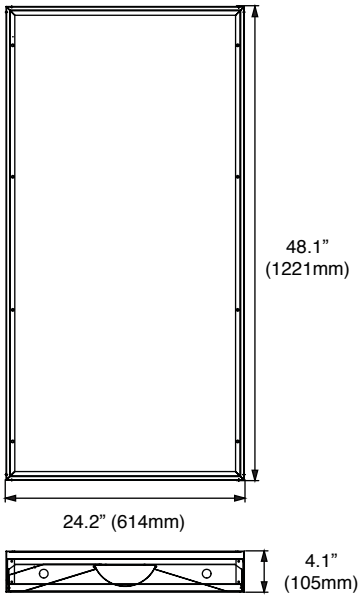
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SURFACE MOUNT KITS

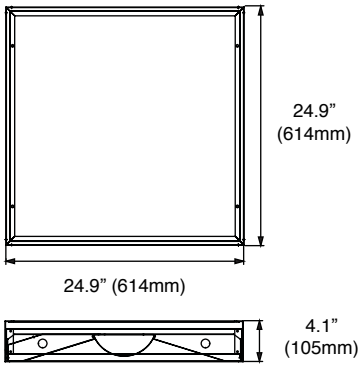
SMK-24 G2 ECO

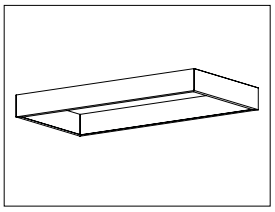
Surface Mount Kit for 2'x4' troffer or panel



SMK-22 G2 ECO

Surface Mount Kit for 2'x2' troffer or panel

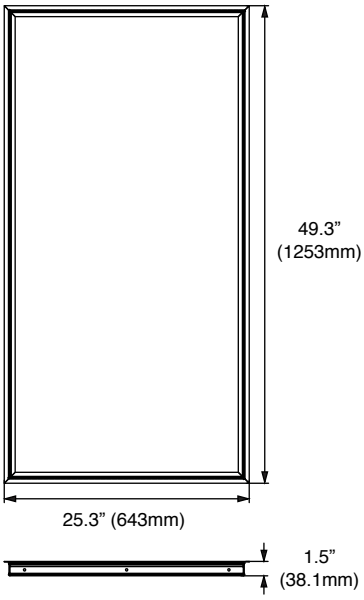




FLANGE KITS

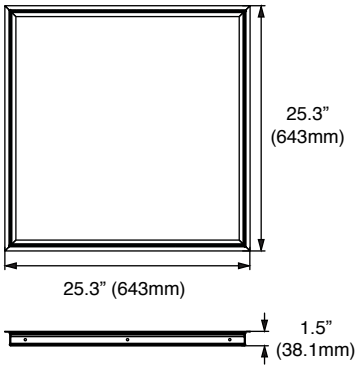
FK-LT-24

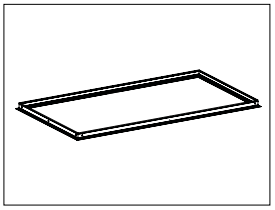
Flange Kit for 2'x4' troffer or panel



FK-LT-22

Flange Kit for 2'x2' troffer or panel



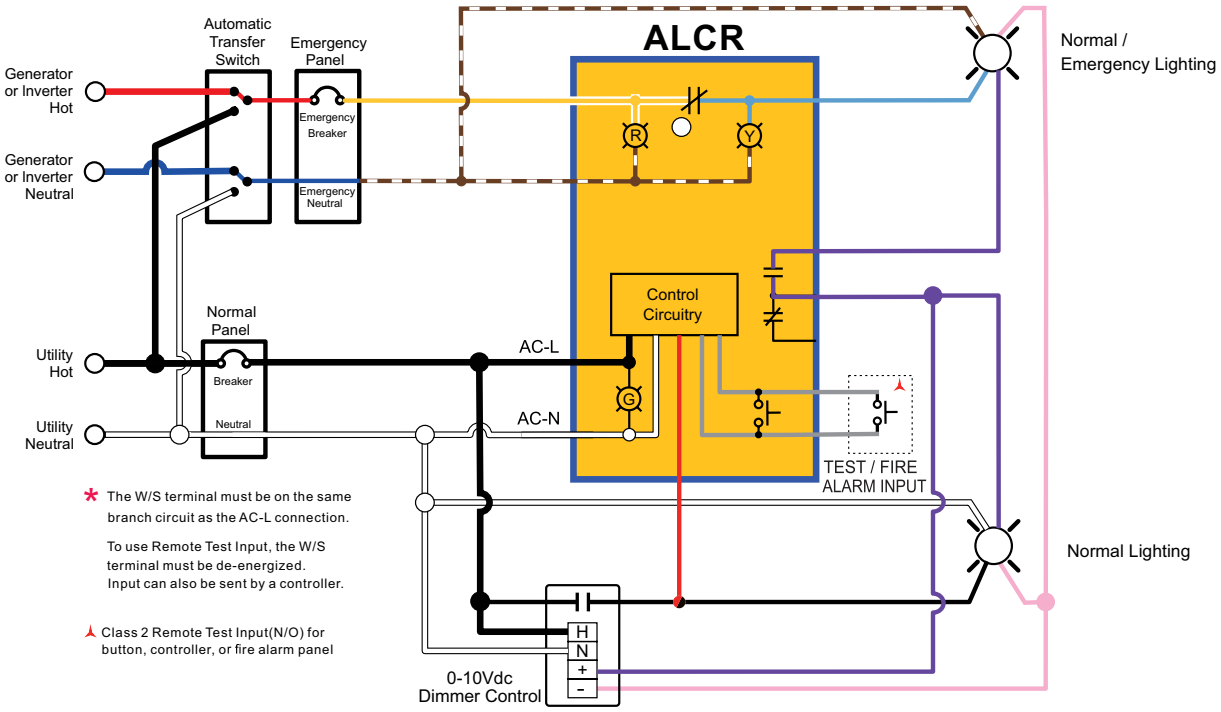


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EMERGENCY AUTOMATIC LIGHTING CONTROL RELAY (EMLC/DR) OPTION

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

BAA COMPLIANT

*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.

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www.aleolighting.com
10988 Bloomfield Ave., Santa Fe Springs, CA 90670
(877) 358-8825

aleoblue™



ALEOBLUE WIRELESS BLUETOOTH® CONTROLS

DLC LISTED

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.

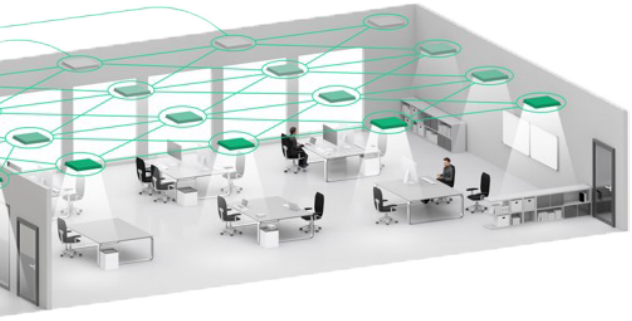
DLC NLC Qualified.

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

BLUETOOTH® NLC TECHNOLOGY ADVANTAGES

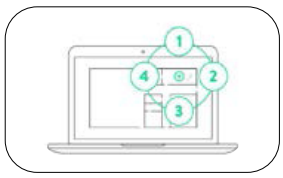
- The fastest low-power communication
- Scalability to thousands of devices
- The most advanced encryption standards as well as the cutting-edge device authentication
- No single point of failure (no central device)
- Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth® 4.0 and Bluetooth® 5)



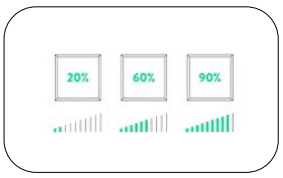
SCHEDULING



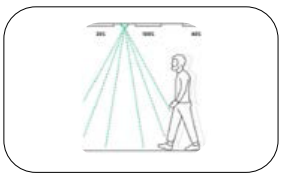
SCENES



HIGH / LOW END TRIM



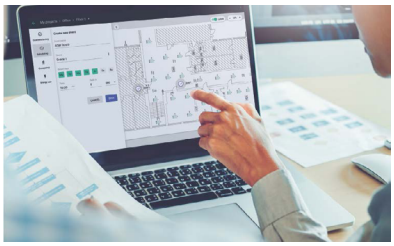
OCCUPANCY SENSING



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.

1. Import Floor Plans
2. Specify Desired Lighting Control Scenarios
3. Define Individual Lighting Zones



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.

1. Add Devices to Your Connected Lighting Network
2. Implement Predefined Zones and Scenarios
3. Optimize Configuration Settings if Needed

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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