

LED Lighting Catalog

Application and Specification Guide | 2016

aleoTM
LED LIGHTING

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LED Lighting Catalog Specification and Applications Guide

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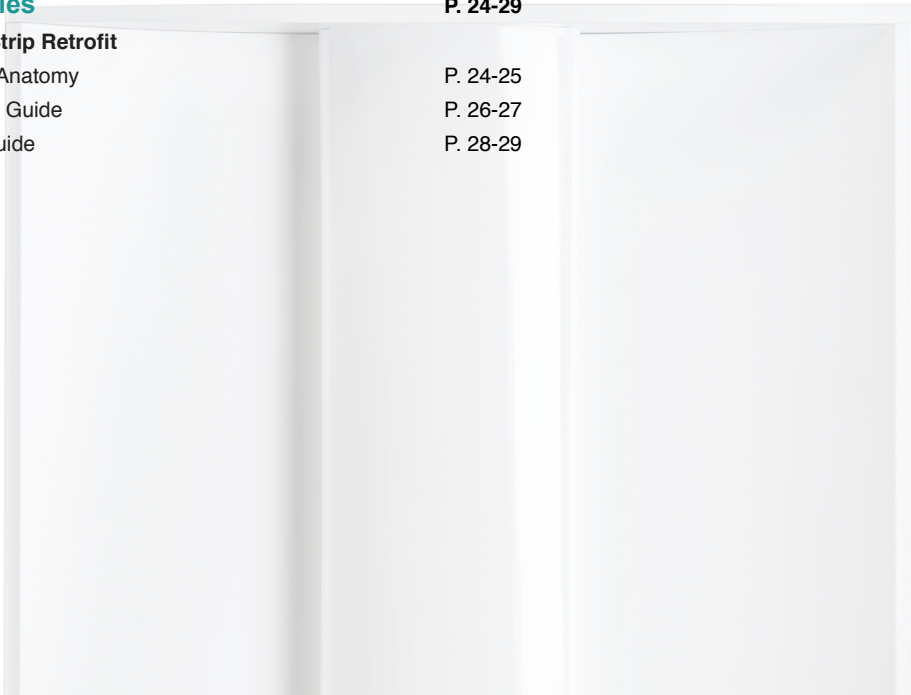


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LED Linear Surface Ambient



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Performance Anatomy

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LED Linear Vapor Tight Luminaire

Performance Anatomy

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A New Era of Lighting

Aleo Lighting, Inc. is a global lighting manufacturer dedicated to providing energy-efficient, high-performance LED lighting solutions. Headquartered in the greater Los Angeles area, the company focuses on developing lighting technology that enhances the human experience with light, reduces energy demand, and improves environments and spaces.

The team of professionals at Aleo Lighting is driven by the mission to proliferate better quality light on a large scale, which entails balancing advancements in lighting technology with value. Aleo LED products deliver improved quality of light while being economically sensible.

Aleo Lighting delivers application-optimized lighting solutions that scales features and technology to fit the needs and demands of its customers and end-users, while conquering the challenge of energy demand reduction.



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Vision and Mission

People

Paramount to Aleo Lighting's mission is the ability of better light to improve human life. Advancements in lighting technology has the potential to increase occupant comfort, improve productivity, improve health and mood, increase safety and security, and a myriad of other benefits. Aleo products strive to improve the interaction between light and people.

Energy

Energy is increasingly becoming a scarce resource, and Aleo believes that lighting can play a crucial role in effectively utilizing this resource. Environmental stewardship is a core value as the company continually develops solutions to aggressively reduce energy demand.

Environments / Spaces

Lighting can completely transform a space. Better lighting can improve business performance by reducing operating costs and improving retail appeal, safety/security, productivity, occupant comfort, and much more. Aleo is dedicated to advancing lighting that can contribute positively to building environments.

Aleo Lighting

Aleo Lighting embodies a vision that better lighting can make a significant positive impact on the world. The company is dedicated to producing lighting that creates more productive spaces, improves the interaction between people and light, and improves business performance. Better light also means more efficient lighting that reduces energy. Aleo strives to play a vital role in significantly reducing energy demand by advancing technology that is more efficient and smarter.

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Technology

At the core of the company's movement is the ability to develop lighting platforms and technology that deliver better quality, performance, and functionality of light at a sensible value.

Technological advances include:

- Advanced lighting controls
- Application-optimization
- Improvements in occupant comfort
- Increases in productivity
- Continual cost-reduction
- Electronics to control/reduce power
- Scalable platforms to increase functionality



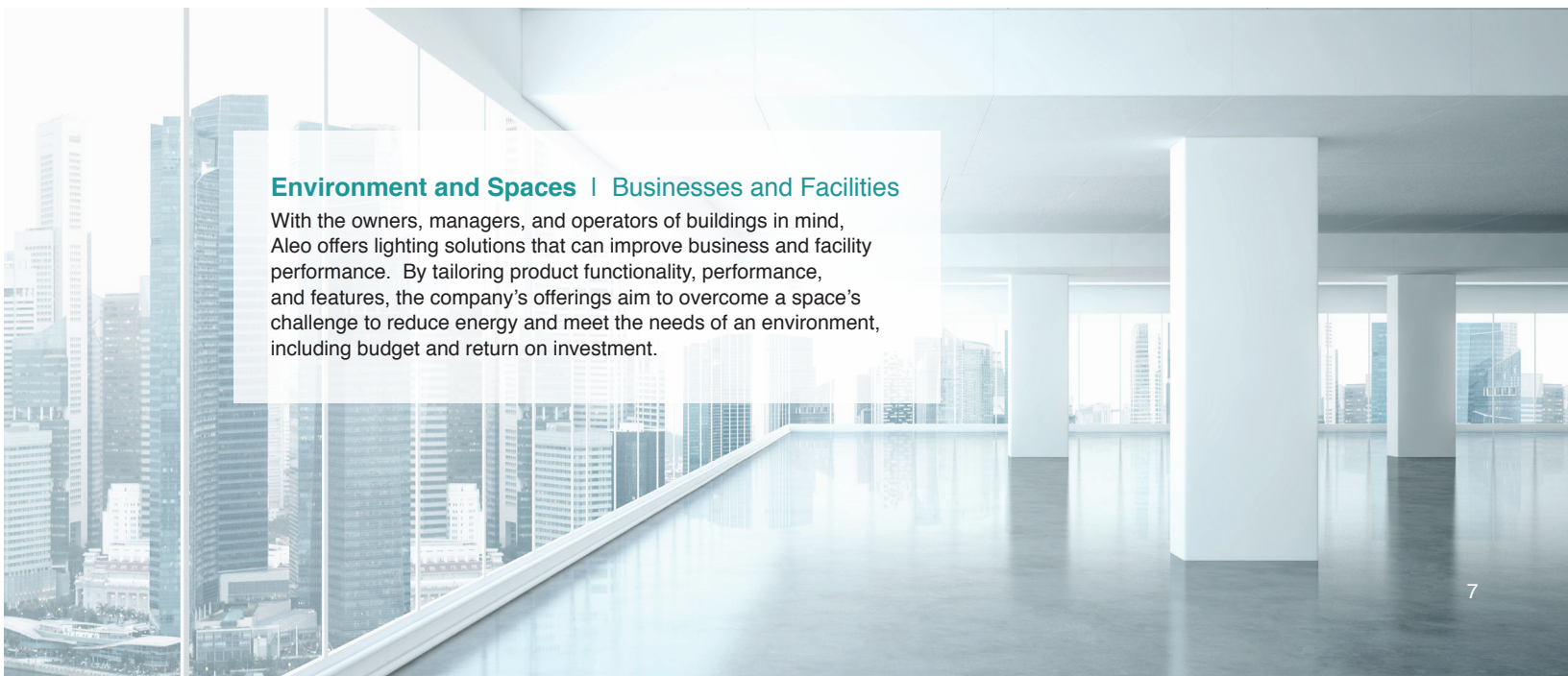
Energy | Utilities and Government

Aleo Lighting works with utilities and government agencies to aggressively reduce energy demand by developing technology that continually improves efficiency and cuts demand. Aleo LED solutions contribute towards utility and agency goals and targets for energy reduction.



People | Occupants and Users

Lighting plays an important role in human comfort, behavior, health, mood and performance. Aleo Lighting considers the human experience with light to be a top factor in product development. Improved color quality, glare reduction, dimmability, adaptive light are all technological features that improve user experience.



Environment and Spaces | Businesses and Facilities

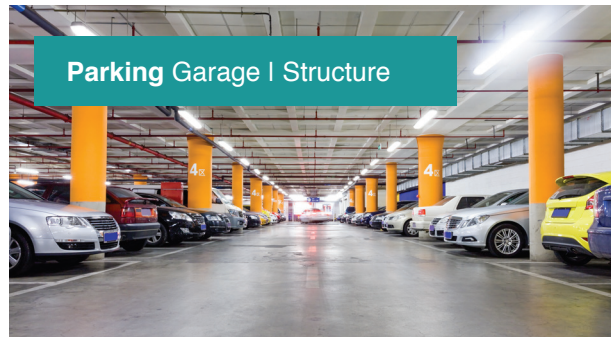
With the owners, managers, and operators of buildings in mind, Aleo offers lighting solutions that can improve business and facility performance. By tailoring product functionality, performance, and features, the company's offerings aim to overcome a space's challenge to reduce energy and meet the needs of an environment, including budget and return on investment.

Application-Optimized LED Lighting

Aleo Lighting is focused on delivering better light to specific applications. By scaling features and technology in each solution to accommodate a customer and end-user's needs, challenges, and budget, each application can benefit from the advantages of LED lighting.



Application Overview



LED Troffers

Aleo's commercial specification and architectural-grade troffers demonstrate superior performance, energy-efficiency and light quality. Designed for performance and longevity at an unbeatable value, Aleo's LED Troffers deliver attractive ROI and payback periods for lighting upgrades.





LT-CD™ Series

P. 10-15

LED Volumetric Troffer - Center Diffuser

- Up to 131 lm/W
- 2x4, 2x2, 1x4 options available
- 83+ CRI
- 3500K, 4000K, 5000K CCT options available
- 0-10 Continuous Dimming
- 75,000 hours rated life

Performance Anatomy

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Specifications Guide

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Application Guide

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LT-CD™ Series

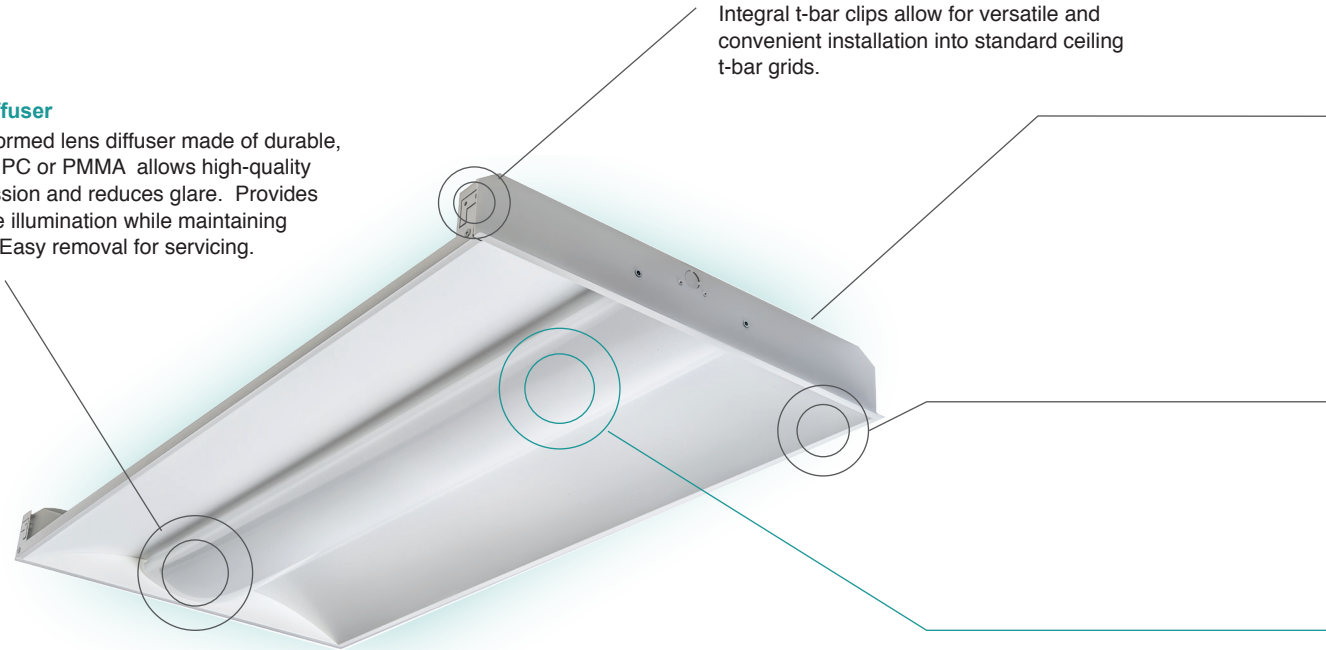
Volumetric LED Troffer Center Diffuser

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.

Convenient Installation

Integral t-bar clips allow for versatile and convenient installation into standard ceiling t-bar grids.



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 Listed. 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.

Performance Qualifications

DLC Premium QPL listed.

Benefits

Deep Energy Savings

The high-efficiency luminaire offers the advantages of considerable energy savings to replace traditional fluorescent systems. The combination of performance and value presents 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.

Deep Energy-Savings | Enhanced Lighting Quality

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.

Safety

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

Finish

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

Form Factor Selection

2x2 18W - 55W

2x4 26W - 68W

1x4 24W, 36W



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

LT-CD luminaire 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.

Performance Highlights

Efficacy	Up to 131 lm/W
Rated Life	75,000 hours
Warranty	7-year Limited Warranty
CRI	83+, R9 > 0
Available CCT¹	3000K, 3500K, 4000K, 5000K
L70³	> 72,000 hours
Dimming	0-10V Continuous (10-100%)
Qualifications	DLC Premium QPL
Certification	UL Listed



LT-CD™ Series

Volumetric LED Troffer Center Diffuser

The Aleo LT-CD™ Series Volumetric LED Troffer delivers industry-leading performance 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 various commercial applications .



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. 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.

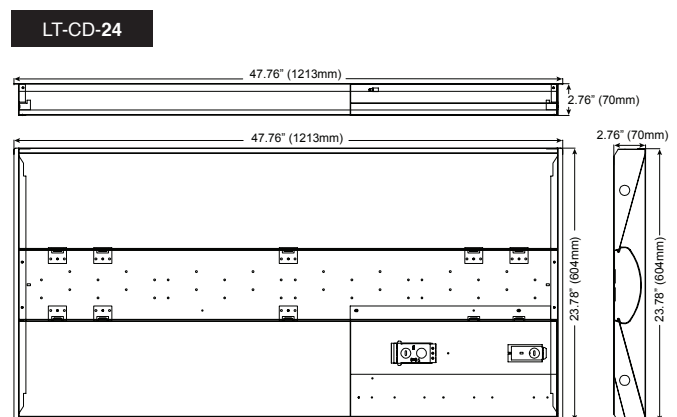
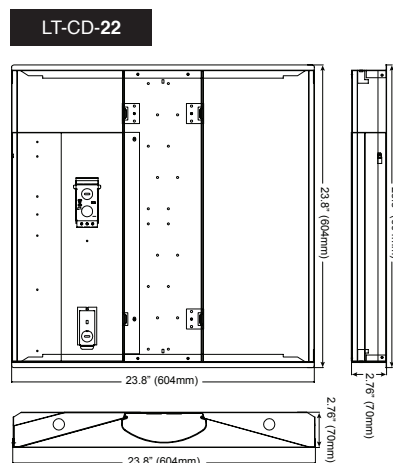
Installation / Mounting

Installs in most standard T-Bar ceiling grid systems. Flange kit available for hard-lid/drywall applications. Surface-mount kit accessory available.

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





LT-CD™ Series

Volumetric LED Troffer Center Diffuser

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
CRI	83+, R9 > 0
Available CCT¹	3000K, 3500K, 4000K, 5000K
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

Flange Kit

Accessory for

Surface Mount Kit

Kit used for hard lid, drywall ceilings

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

Integrated Sensor

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: LT-CD-22VHE-44/840

LT-CD	22	VHE	44	8	40	[Blank]	[Blank]
Series	Form Factor	Lumen Package	Rated Wattage	CRI	Color Temp	Input Voltage	Dimming
LT-CD	22 2'x2'	VLE Very Low Wattage	2'x2' 18 18W	8 83+	30 3000K	Blank 120V-277V	Blank 0-10V Continuous Dimming
Volumetric LED Troffer - Center Diffuser	24 2'x4'	LE Low Wattage	26 26W				
	14 1'x4'	HE High Lumen	30 30W	35 3500K	40 4000K		
		VHE Very High Lumen	34 34W	50 5000K			
			40 40W	<div style="background-color: #f0f0f0; padding: 5px;"> Options </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> Emergency Backup EM500 500lm EM700 700lm EM1400 1400lm EM2000 2000lm </div> <div style="width: 48%;"> Controls OS Occupancy Sensor OSDL Occ. Sensor w/ Daylight WA Fixture-integrated high-end trim </div> </div>			
			42 42W				
			44 44W				
			50 50W				
			60 60W				
			55 55W				
			68 68W				
			1'x4'				
			24 24W				
			36 36W				



LT-CD™ 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 Campus



Retail Spaces



LT-CD™ Series

Volumetric LED Troffer Center Diffuser

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

Healthcare Facilities



Corporate Campus



LED Retrofit Solutions

Aleo's LED retrofit solutions for troffers and strips offers an unbeatable value proposition, delivering the advantages of LED technology with an attractive ROI and payback period. These state-of-the-art retrofit solutions are designed with ease and speed of installation in mind, reducing the need to dispose of existing luminaire housing.





LTR™ Series

P. 18-23

LED Troffer Retrofit Kit

- Up to 127 lm/W
- 2x4, 2x2 options available
- 83+ CRI
- 3500K, 4000K, 5000K CCT options available
- 0-10 Continuous Dimming
- 75,000 hours rated life

Performance Anatomy

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Specifications Guide

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Application Guide

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LSR™ Series

P. 24-29

LED Linear Strip Retrofit

- Up to 115 lm/W
- 4' and 8' options available
- 83+ CRI
- 4000K, 5000K CCT options available
- 0-10 Continuous Dimming
- 75,000 hours rated life

Performance Anatomy

P. 24-25

Specifications Guide

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Application Guide

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LTR™ Series

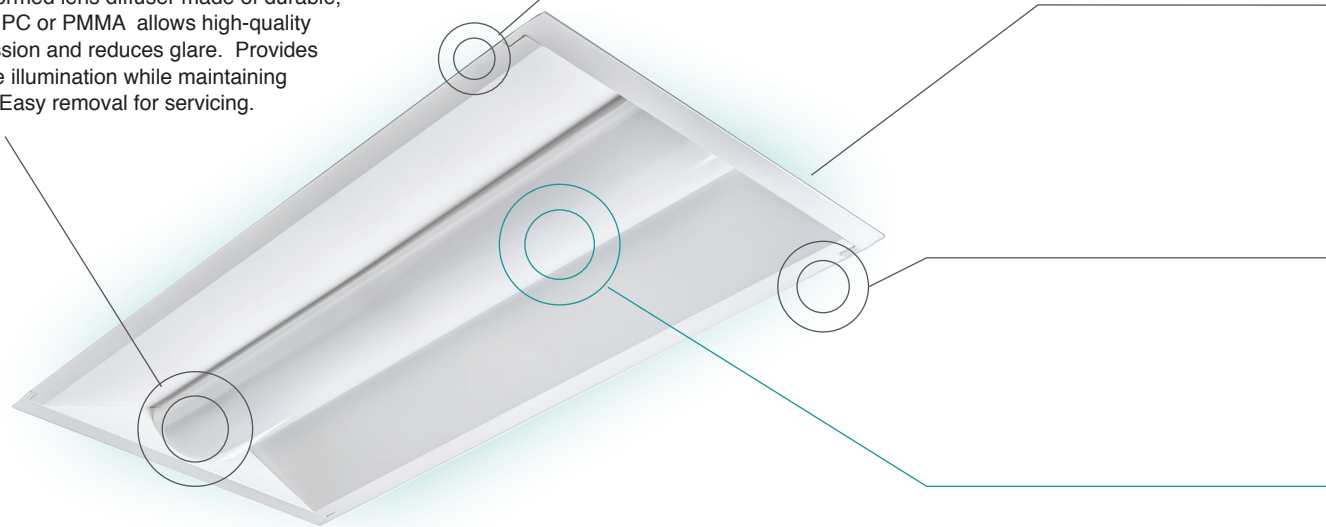
LED Troffer Retrofit Kit

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.

Performance Qualifications

DLC Premium QPL listed.

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.

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 - 22W

2x4 22W - 44W



Performance Highlights

Efficacy	Up to 127 lm/W
Rated Life	75,000 hours
Warranty	7-year Limited Warranty
CRI	83+, R9 > 0
Available CCT¹	3500K, 4000K, 5000K
L70³	> 72,000 hours
Dimming	0-10V Continuous (10-100%)
Qualifications	DLC Premium QPL
Certification	UL Classified



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.

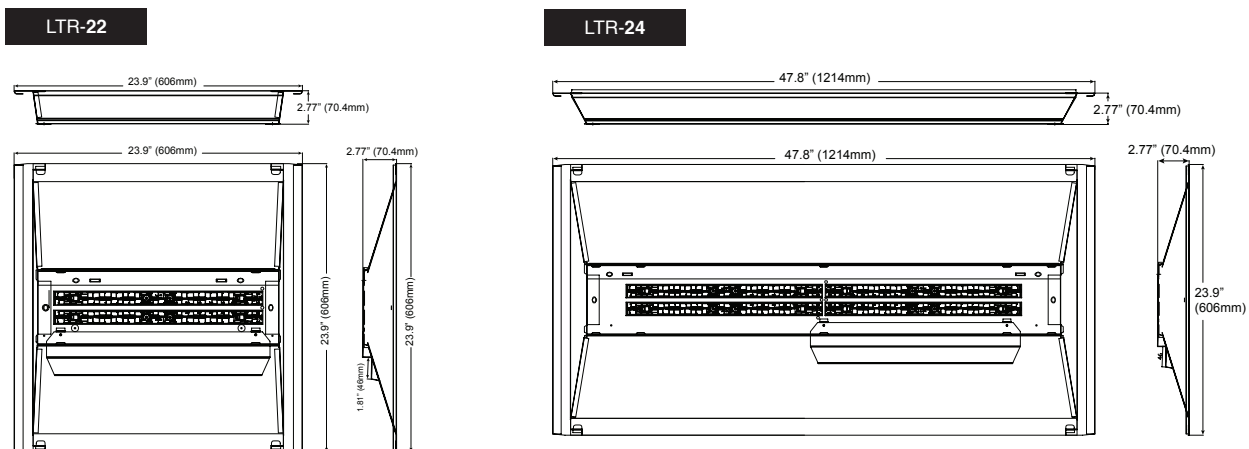
Installation / Mounting

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 CCT ¹	3000K, 3500K, 4000K, 5000K
Rated Life	75,000 hours
L70 ³	> 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

Integrated Sensor

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

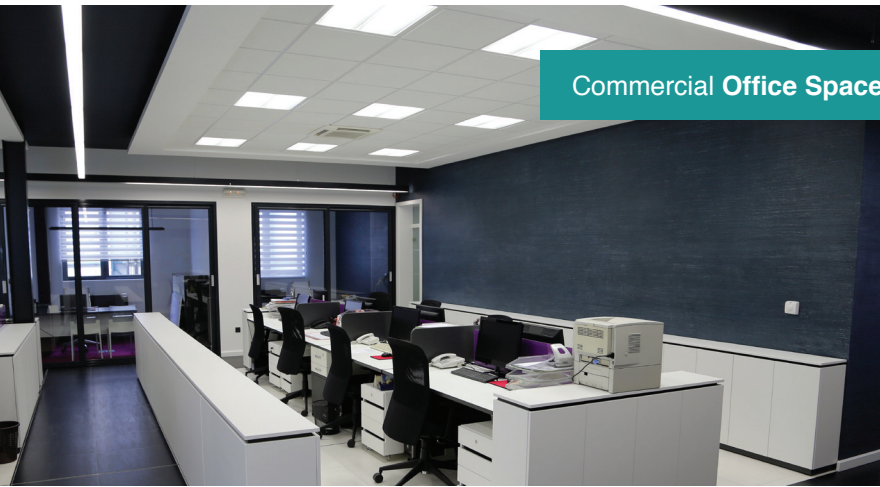
Example: LTR-24LE-44/840

LTR	24	LE	44	8	40	[Blank]	[Blank]	
Series LTR LED Troffer Retrofit Kit	Form Factor 22 2'x2' 24 2'x4'	Lumen Package VLE Very Low Wattage LE Low Wattage HE High Lumen	Rated Wattage 2'x2' 2'x4' 18 18W 22 22W 22 22W 27 27W 24 24W 30 30W 27 27W 36 36W 30 30W 44 44W	CRI 8 83+	Color Temp 30 3000K 35 3500K 40 4000K 50 5000K	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming	
Options								
				Emergency Backup EM500 500lm EM700 700lm EM1400 1400lm EM2000 2000lm	Controls OS Occupancy Sensor OSDL Occ. Sensor w/ Daylight WA 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



aleo™
LED LIGHTING

LSR™ Series

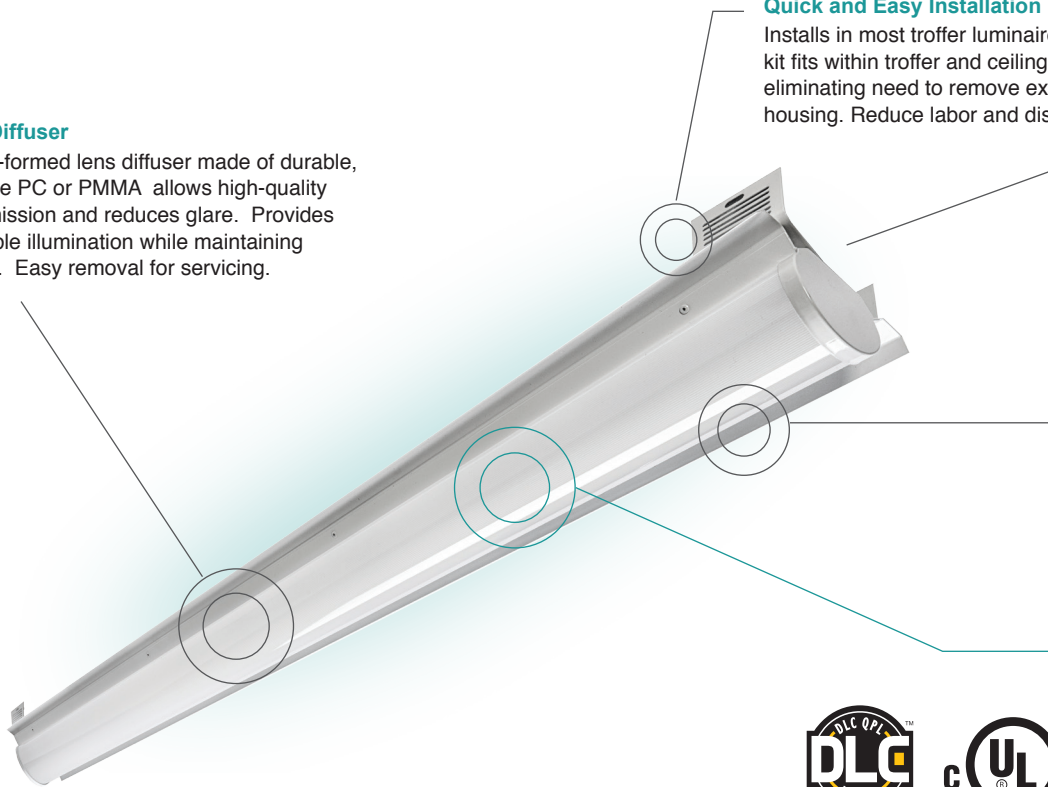
LED Linear Strip Retrofit Kit

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.

Performance Qualifications

DLC Premium QPL listed.

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.

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.

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.

Finish

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



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

4' 24W, 36W

8' 42W, 68W



Performance Highlights

Efficacy	Up to 115 lm/W
Rated Life	75,000 hours
Warranty	7-year Limited Warranty
CRI	83+, R9 > 0
Available CCT ¹	3500K, 4000K, 5000K
L70 ³	> 72,000 hours
Dimming	0-10V Continuous (10-100%)
Qualifications	DLC Premium QPL
Certification	UL Classified



LSR™ Series

LED Linear Strip Retrofit

The Aleo LSR™ Series Linear 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 LSR™ kit transforms utility strips into high-efficiency, architectural luminaires.

APPLICATIONS

Excellent for general utility applications to retrofit existing utility strip/channels. Parking garage, warehouse, offices, restrooms, storage units, stairwell.



Specification Features

Construction

Integral LED gear tray and reflector with driver on board allows for easy installation and handling. Luminaire features matte white durable finish. 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 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.

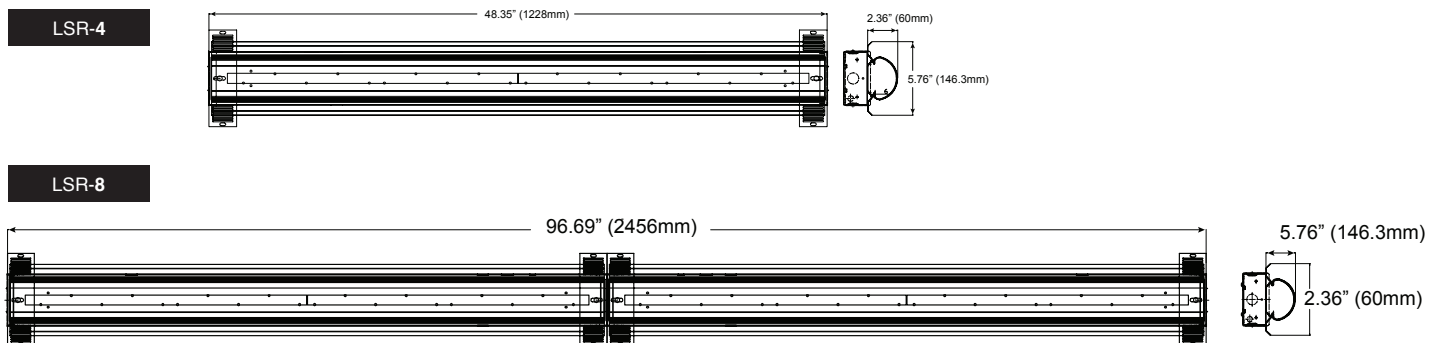
Installation / Mounting

Features universal mounting bracket to fit strips with 4-1/2" to 5-1/2" width. Includes safety cables for security and wiring. Installs on existing strip 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. Sensor accessory available: occupancy sensing with daylight cut-off.

Product Dimensions



LSR™ Series

LED Linear Strip Retrofit

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
CRI	83+, R9 > 0
Available CCT ¹	3500K, 4000K, 5000K
Rated Life	75,000 hours
L70 ³	> 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

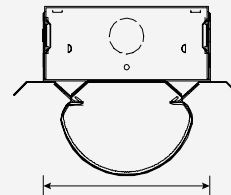
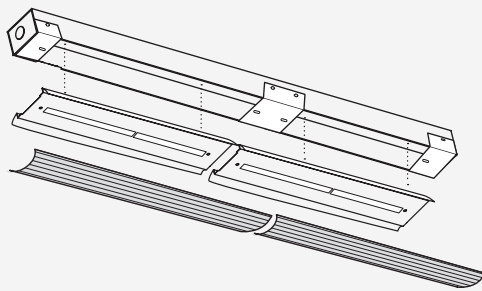
High-End Trim Controller

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

Integrated Sensor

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

Installation and Mounting



Retrofit kit designed for existing strip housing with width of 4-1/4" to 5-1/4", with a min. depth of 1-5/8"

Ordering Information

Example: LSR-8L/840

LSR	8	L	8	40	[Blank]	[Blank]	Options
Series LSR LED Linear Strip Retrofit Kit	Form Factor 8 8' 4 4'	Lumen Package L Low Wattage H High Lumen	CRI 8 83+	Color Temp 35 3500K 40 4000K 50 5000K	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming	Emergency Backup EM500 500lm EM700 700lm EM1400 1400lm EM2000 2000lm
						Controls¹ OS Occupancy Sensor OSDL Occ. Sensor w/ Daylight WA Fixture-integrated high-end trim	
<p>* Contact factory for other control options and wireless capabilities</p>							

LSR™ Series

Improve safety and security, occupant comfort, retail appeal, worker productivity by providing better quality illumination. Implement smarter lighting solutions that deliver deep energy-savings and attractive ROI.

Grocery and Retail



aleo™
LED LIGHTING

LSR™ Series

LED Linear Strip Retrofit Solution

Versatile solution for applications with utility strip lighting. Transforms bare fluorescent lamp strip fixtures to radial wrap luminaires with better quality of light, significant energy-savings, and

Warehouse and Production Facility



Parking Garage | Structure



Stairwell | Hallway



Linear Surface

Aleo's LED retrofit solutions for troffers and strips offers an unbeatable value proposition, delivering the advantages of LED technology with an attractive ROI and payback period. These state-of-the-art retrofit solutions are designed with ease and speed of installation in mind, reducing the need to dispose of existing luminaire housing.





LLS™ Series

P. 32-37

LED Linear Strip Luminaire

- Up to 118 lm/W
- 4' and 8' options available
- 83+ CRI
- 3500K, 4000K, 5000K CCT options available
- 0-10 Continuous Dimming
- 75,000 hours rated life

Performance Anatomy

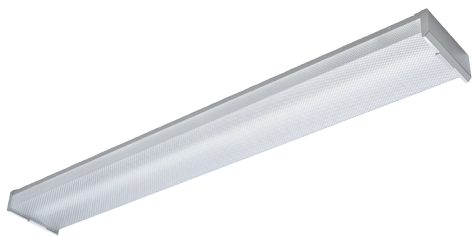
P. 32-33

Specifications Guide

P. 34-35

Application Guide

P. 36-37



LWE™ Series

P. 38-41

LED Utility Wrap Luminaire

- Up to 116 lm/W
- 4' option available
- 83+ CRI
- 3500K, 4000K, 5000K CCT options available
- 0-10 Continuous Dimming
- 75,000 hours rated life

Specifications Guide

P. 38-39

Application Guide

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LLS™ Series

LED Linear Strip Luminaire

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 standard strip fixtures. Retrofit kit fits within strip, eliminating need to remove existing fixture housing. Reduce labor and disposal costs.



Industry-leading Warranty

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



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 Listed. 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.

Performance Qualifications

DLC Premium QPL listed.

Benefits

Deep Energy Savings

The high-efficiency luminaire offers the advantages of considerable energy savings to replace traditional fluorescent systems. The combination of performance and value presents 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.

Deep Energy-Savings | Improved Quality Light



Advanced Lighting Controls

Integrated sensor option enables a smarter lighting system that detects motion and daylight, adapting light levels according to occupancy and ambient light levels. Advanced controls integration allows for increased energy demand reduction and savings.

Specify lighting that adapts to the environment and occupancy.

Finish

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

Luminaire Quick Disconnect

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

Safety

UL Listed 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

LLS Luminaire 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.

Performance Highlights

Efficacy	Up to 118 lm/W
Rated Life	75,000 hours
Warranty	7-year Limited Warranty
CRI	83+, R9 > 0
Available CCT¹	3500K, 4000K, 5000K
L70³	> 72,000 hours
Dimming	0-10V Continuous (10-100%)
Qualifications	DLC Premium QPL
Certification	UL Classified

Form Factor Selection

- 4' 24W, 36W, 40W
- 8' 42W, 68W



LLS™ Series

LED Linear Strip Luminaire

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.

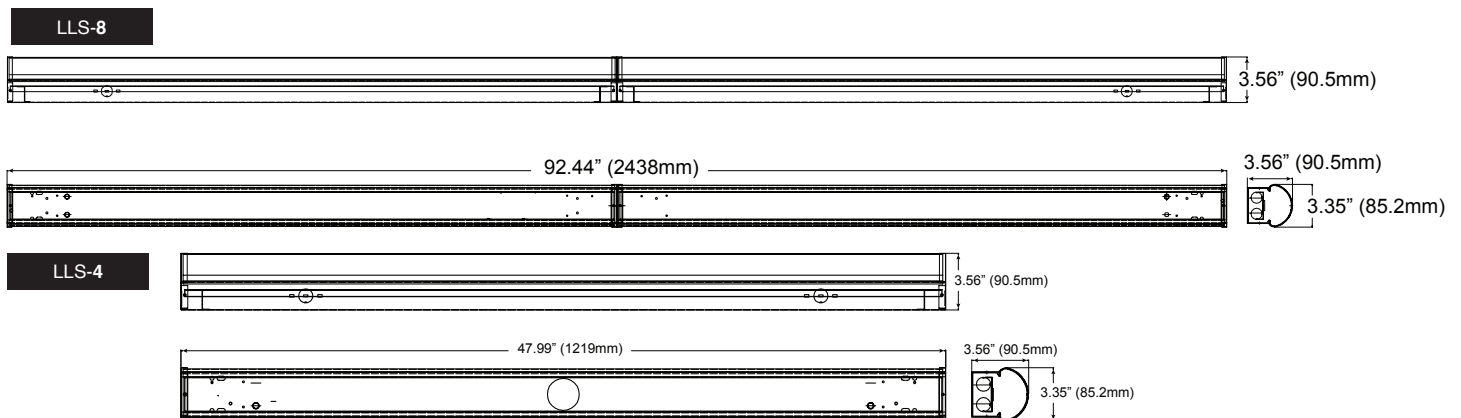
Installation / Mounting

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





LLS™ Series

LED Linear Strip Luminaire

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
CRI	83+, R9 > 0
Available CCT¹	3500K, 4000K, 5000K
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

Integrated Sensor

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: LLS-4L/840

LLS	4	L	8	40	[Blank]	[Blank]	Options
Series LLS LED Linear Strip Luminaire	Form Factor 4 4' 8 8'	Lumen Package L Low Wattage H High Lumen VH Very High Lumen	CRI 8 83+	Color Temp 35 3500K 40 4000K 50 5000K	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming	Emergency Backup EM500 500lm EM700 700lm EM1400 1400lm EM2000 2000lm
						Controls¹ OS Occupancy Sensor OSDL Occ. Sensor w/ Daylight WA Fixture-integrated high-end trim <small>* Contact factory for other control options and wireless capabilities</small>	



LLS™ Series

Improve safety and security, occupant comfort, retail appeal, worker productivity by providing better quality illumination. Implement smarter lighting solutions that deliver deep energy-savings and attractive ROI.

Grocery and Retail



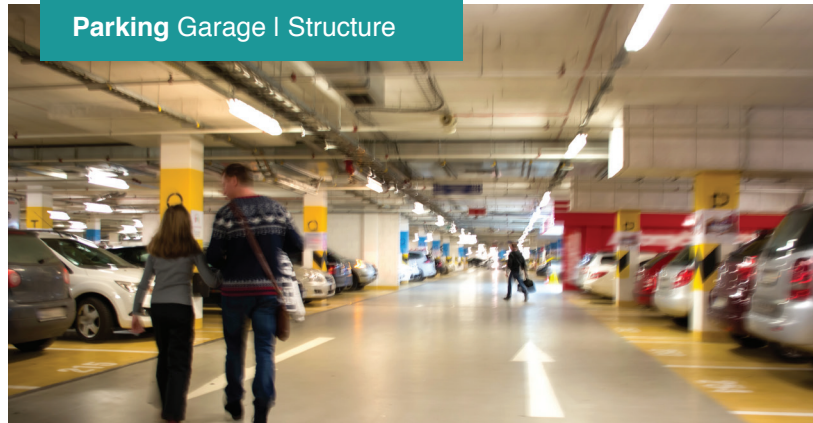
Production and Assembly



Warehouse Facility



Parking Garage | Structure



Stairwell | Hallway



Multi-Family Housing



LLS™ Series

LED Linear Strip Luminaire

Versatile solution for myriad applications requiring low maintenance cost, energy-savings, and improved lighting quality



aleo™
LED LIGHTING

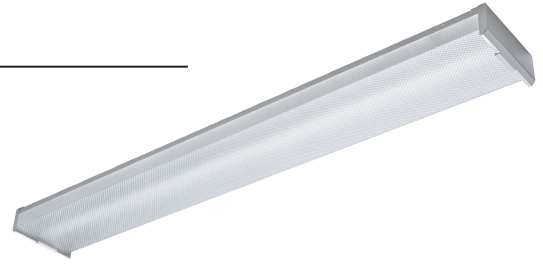
LWE™ Series

LED Utility Wraparound Luminaire

The Aleo LWE™ Series Utility Wrap Luminaire delivers industry-leading performance with deep energy savings and continuous dimming. Low profile design offers easy handling and storage. This versatile luminaire produces energy-efficient, comfortable illumination for a myriad of applications.

APPLICATIONS

Excellent for general utility applications: storage closets, restrooms, hallways, corridors, stairwells.



Specification Features

Construction

Modular LED and driver allows for serviceability and maintenance. Luminaire features matte white durable finish. 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. 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.

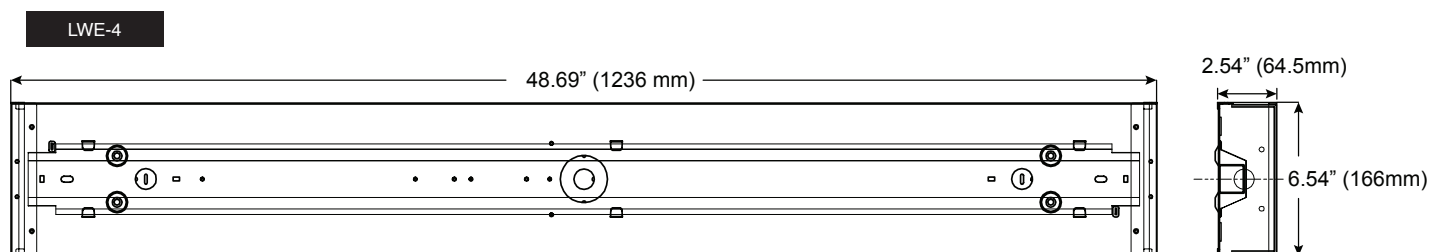
Installation / Mounting

Luminaire back housing includes holes and slots for various mounting methods.

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



LWE™ Series

LED Utility Wraparound Luminaire

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
CRI	83+, R9 > 0
Available CCT ¹	3500K, 4000K, 5000K
Rated Life	75,000 hours
L70 ³	> 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

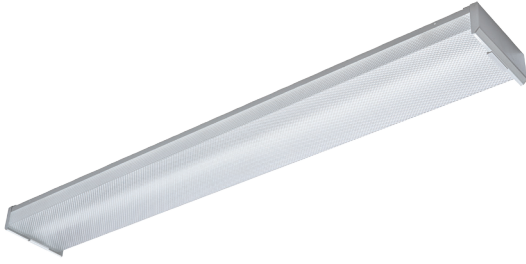
High-End Trim Controller

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: LWE-4L/840

LWE	4	L	8	40	[Blank]	[Blank]	Options
Series LWE LED Utility Wrap Luminaire	Form Factor 4 4'	Lumen Package L Low Wattage	CRI 8 83+	Color Temp 35 3500K 40 4000K 50 5000K	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming	Emergency Backup EM500 500lm EM700 700lm EM1400 1400lm EM2000 2000lm
						Controls¹ OS Occupancy Sensor OSDL Occ. Sensor w/ Daylight WA Fixture-integrated high-end trim * Contact factory for other control options and wireless capabilities	



LWE™ Series

Improve occupant comfort and increase energy-savings while reducing operating and maintenance cost.

Storage Facilities



Restroom Spaces



Hallway and Corridor



Warehouse Facility



LWE™ Series

LED Utility Wrap Luminaire

Versatile solution for myriad applications requiring low maintenance cost, energy-savings, and improved lighting quality

Medical Office



LED High Bay and Low Bay

Aleo's commercial and industrial high bay and low bay luminaires deliver cost-effective solutions for high mounting, large area applications. Designed for performance and longevity at an unbeatable value, Aleo's high bays reduce operating and maintenance costs while improving safety and security.





SLB™ Series

P. 44-49

LED Linear High Bay

- Up to 132 lm/W
- 2' and 4' options available
- 83+ CRI
- 4000K, 5000K, 5700K CCT options available
- 0-10 Continuous Dimming
- 75,000 hours rated life

Performance Anatomy

P. 44-45

Specifications Guide

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Application Guide

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SLB™ Series

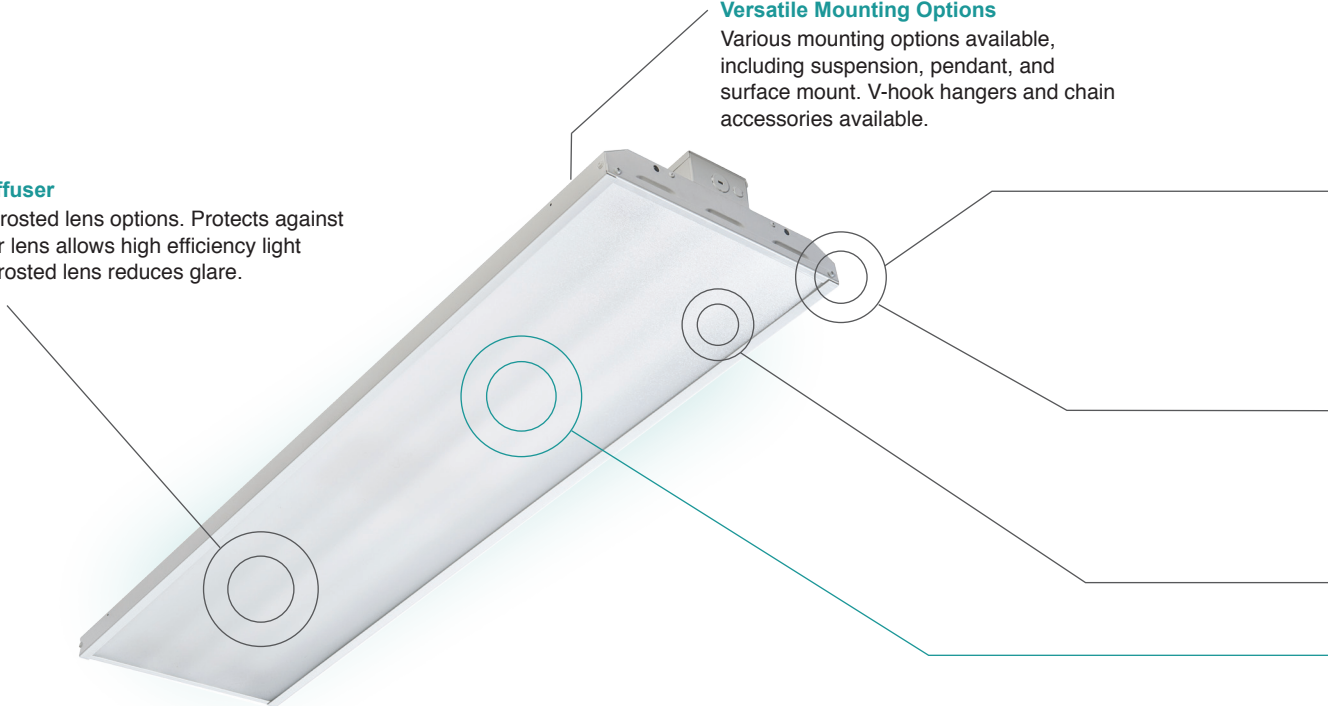
LED Linear High Bay Luminaire

Optical Diffuser

Clear and frosted lens options. Protects against dust. Clear lens allows high efficiency light emission; frosted lens reduces glare.

Versatile Mounting Options

Various mounting options available, including suspension, pendant, and surface mount. V-hook hangers and chain accessories available.



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 Listed. 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.

Performance Qualifications

DLC Premium QPL listed.

Benefits

Deep Energy Savings

The high-efficiency luminaire offers the advantages of considerable energy savings to replace traditional fluorescent systems. The combination of performance and value presents 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 Output Efficiency

Deep Energy-Savings | Improved Safety and Security



Advanced Lighting Controls

Integrated sensor option enables a smarter lighting system that detects motion and daylight, adapting light levels according to occupancy and ambient light levels. Advanced controls integration allows for increased energy demand reduction and savings.

Specify lighting that adapts to the environment and occupancy.

Finish

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

Luminaire Quick Disconnect

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

Safety

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

Industry-leading Warranty

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

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

SLB Luminaire 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.

Performance Highlights

Efficacy	Up to 132 lm/W
Rated Life	75,000 hours
Warranty	7-year Limited Warranty
CRI	83+, R9 > 0
Available CCT¹	3500K, 4000K, 5000K
L70³	> 72,000 hours
Dimming	0-10V Continuous (10-100%)
Qualifications	DLC Premium QPL
Certification	UL Classified

Form Factor Selection

- 2' 110W, 160W
- 4' 220W, 320W

SLB™ Series

LED Linear High Bay Luminaire

The Aleo SLB™ Series Slim Linear High Bay delivers industry-leading performance with an extremely attractive ROI. Superior performance, ultra high-efficiency and premium quality provides an economic solution for high ceiling applications, especially warehouse spaces. Delivering high output, quality light at low energy consumption can improve warehouse safety and productivity, lower maintenance cost, and reducing operating costs.



APPLICATIONS

Provides high output illumination for various commercial industrial applications with high ceilings: warehouse, manufacturing, gymnasiums, retail.



Specification Features

Construction

Rugged and durable construction withstands warehouse environments. Luminaire features matte white durable finish.

Optical System

Reflector systems features highly reflective coating, delivering adequate light for high-mounting buildings. Diffuser lens reduces glare and improves occupant working conditions 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. 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

Various mounting options available, including suspension, pendant, and surface mount. V-hook hangers and chain accessories available.

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.

Ordering Information

Example: SLB2-110/850/F

SLB	2	110	8	50	F	[Blank]	[Blank]
Series SLB Slim Linear High Bay	Form Factor 2 2' 4 4'	Rated Wattage 2' 110 110W 160 160W 4' 220 220W 320 320W	CRI 8 83+	Color Temp 50 5000K 40 4000K 57 5700K	Lens Difuser F Frosted C Clear	Input Voltage Blank 120V-277V 480 480V	Dimming Blank 0-10V Continuous Dimming
Options							
			Emergency Backup EM700 700lm EM1400 1400lm EM2000 2000lm	Controls OS Occupancy Sensor OSDL Occ. Sensor w/ Daylight		Accessories WG Wire Guard PMK Single-point Pendant-mount Kit ACC Aircraft cable suspension kit CRD Cord (see pg. 4 for details)	

SLB™ Series

LED Linear High Bay Luminaire



Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
CRI	83+, R9 > 0
Available CCT ¹	4000K, 5000K, 5700K
Rated Life	75,000 hours
L70 ³	> 72,000 hours or > 45,000
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

Integrated Sensor

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

Pendant Mount Kit

Single-point pendant mount kit

Surface Mount Bracket

Enables surface mount option

480V

Fixture-integrated 480V Step-down autotransformer

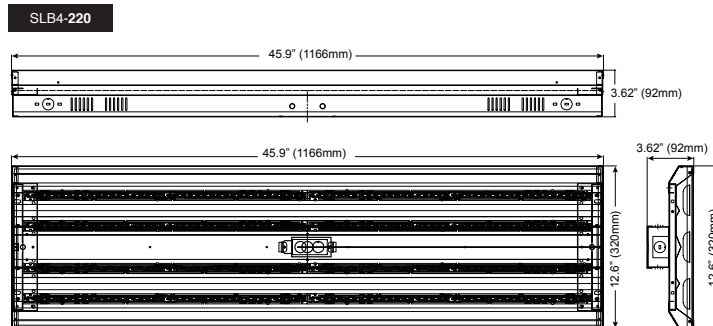
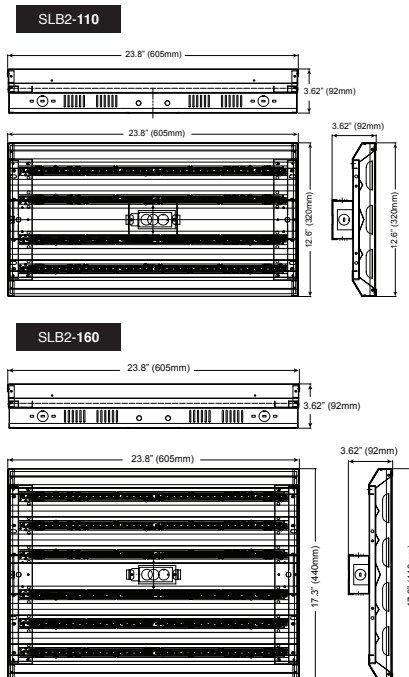
Wire Guard

Protects fixture from damage

Cord and Plug

Various cord and plug options

Product Dimensions





SLB™ Series

Improve safety and security, worker productivity and alertness, and retail appeal by improving lighting in high-bay applications. Implement smarter lighting solutions that deliver deep energy-savings and attractive ROI with SLB's integrated sensor solutions.

Warehouse Facility



SLB™ Series

LED Linear High Bay Luminaire

High output solution that delivers high-quality illumination at high mounting heights. Slim profile allows for easy handling and storage. Combine with various options to improve working environments in commercial spaces.

Production and Assembly



Retail Space



Gymnasium Space



LED Vapor Tight

Aleo's vapor-tight luminaires offer an attractive, energy-saving solution to surface-mount or suspended-mount applications, suitable for damp/wet location. Designed for performance and longevity at an unbeatable value. Manufactured for challenging situations where the fixture's gasketed enclosure protects against dust, spray, humidity, and liquid.





LVE™ Series

P. 52-57

LED Linear Vapor Tight Luminaire

- Up to 129 lm/W
- 4' option available
- 83+ CRI
- 3500K, 4000K, 5000K CCT options available
- 0-10 Continuous Dimming
- 75,000 hours rated life

Performance Anatomy

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Specifications Guide

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Application Guide

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LVE™ Series

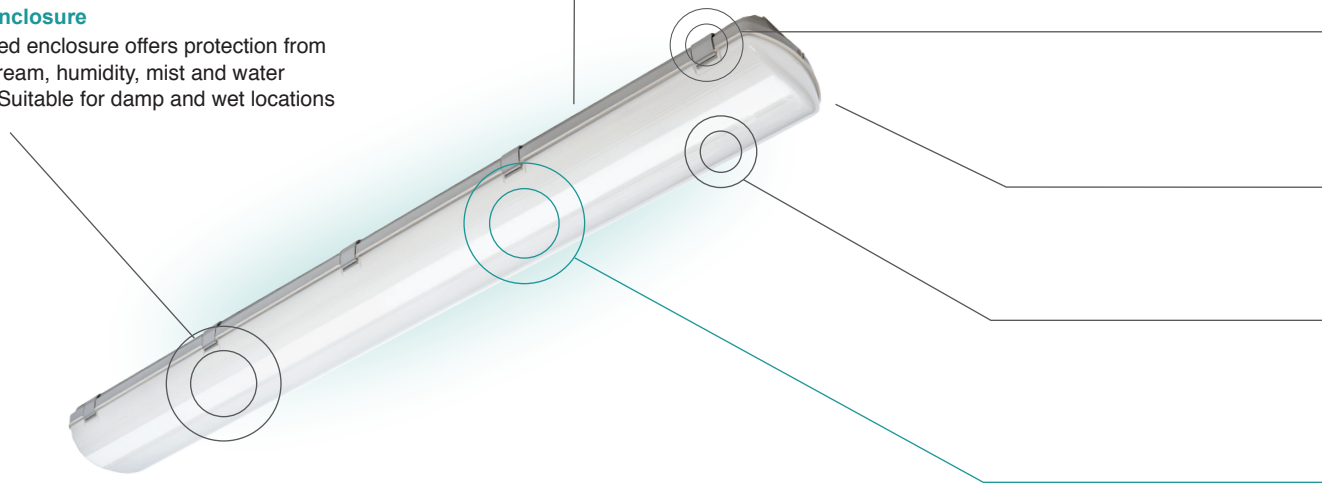
LED Linear Vapor Tight Luminaire

Durable Enclosure

PC gasketed enclosure offers protection from dust, jet stream, humidity, mist and water intrusion. Suitable for damp and wet locations

Versatile Mounting Options

Surface or suspended mounting options available. Stainless steel mounting bracket and clip offer convenient installation. For challenging situations with low mounting heights



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 Listed. 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.

Performance Qualifications

DLC Premium QPL listed.

Benefits

Deep Energy Savings

The high-efficiency luminaire offers the advantages of considerable energy savings to replace traditional fluorescent systems. The combination of performance and value presents 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.

Durable and Resistent Efficiency

Deep Energy-Savings | Guaranteed Protection

Durable Latches

PC or stainless steel latches allows secure enclosure

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.

Safety

UL Listed 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

LVE Luminaire 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.

Performance Highlights

Efficacy	Up to 129 lm/W
Rated Life	75,000 hours
Warranty	7-year Limited Warranty
CRI	83+, R9 > 0
Available CCT¹	3500K, 4000K, 5000K
Dimming	0-10V Continuous (10-100%)
Qualifications	DLC Premium QPL
Certification	UL Classified

Form Factor Selection

4' 42W, 60W

LVE™ Series

LED Linear Vapor Tight Luminaire

Aleo's LVE™ series offers an attractive, energy-saving solution to surface-mount or suspended-mount applications, suitable for damp/wet location. Designed for performance and longevity at an unbeatable value. Manufactured for challenging situations where the fixture's gasketed enclosure protects against dust, spray, humidity, and liquid.

APPLICATIONS

Excellent for relatively low-mounting applications: Parking garage, warehouse, industrial facilities, airports, cold storage, car wash, garden centers.



Specification Features

Construction

Durable enclosure and lens offers protection against dust, jet spray, humidity and water intrusion. Latches ensure solid security from challenging environments.

Optical System

Optical systems features highly reflective gear tray 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. Suitable for Wet Locations. 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

For surface-mount or suspension-mount. Equipped with mounting bracket . V-hook hangers available for suspension mount.

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.

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Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
CRI	83+, R9 > 0
Available CCT ¹	4000K, 5000K, 5700K
Rated Life	75,000 hours
L70 ³	> 72,000 hours or > 45,000
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)

Accessory Options

Stainless Steel Latches

Stainless steel latch kit optional

Ordering Information

Example: LVE-4L/840

LVE	4	L	8	40	[Blank]	[Blank]	Options
Series LVE LED Linear Vapor Tight Luminaire	Form Factor 4 4'	Lumen Package L Low Wattage H High Lumen	CRI 8 83+	Color Temp 35 3500K 40 4000K 50 5000K	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming	Latches Blank PC latches SSC Stainless Steel Latch Kit



LVE™ Series

Reduce maintenance and operating costs by specifying Aleo's extremely energy-efficient and durable LVE luminaire. This solution provides superior light in the most challenging environments.



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Versatile solution for challenging applications with relatively low mounting heights and presence of dust, water, high humidity, cold ambient temperatures, moisture, or jet stream.



Car Wash



Storage Facilities



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LED LIGHTING