



Project	
Notes	
Type	Date
Cat. No.	

LSX™ G5 Series

Super Slim LED Linear Strip Luminaire

DESCRIPTION

The Aleo LSX™ G5 Series Super Slim LED Linear Strip 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: 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 a 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 luminance 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

Strip can be suspended or surface mounted via mounting brackets.

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.

Field Adjustable CCT

Increased versatility and reduced inventory burden. Color Temp. can be adjusted in the field by selecting (3) different CCTs via switch on driver.

LSX UX Series

- 2' 20W Max.
- 4' 40W Max.
- 8' 65W, 90W Max.

Rated Life 75,000 hours
 Limited Warranty 7-years
 Efficacy Up to 130 LPW
 Continuous Dimming



Quick Ship

- LSX-2-UXH-20/8CT G5
- LSX-4-UXH-40/8CT G5
- LSX-8-UXH-65/8CT G5
- LSX-8-UXVH-90/8CT G5

Ordering Information

Example: LSX-8-UXVH-90/8CT G5

LSX	8	UXVH	65	8	CT	[Blank]
Series	Form Factor	Lumen Package	Max Wattage	CRI	Color Temp	Dimming
LSX	2 2'	UXH	20 2' - 12W/15W/20W	8 82+	CT Field Adjust. 3500K 4000K 5000K *Utilize 3-way switch to select.	Blank 0-10V Continuous Dimming
Super Slim LED	4 4'	Factory Set	40 4' - 25W/30W/40W			
Linear Strip	8 8'	UXVH Factory Set	65 8' - 55W/60W/65W 90 8' - 65W/75W/90W <small>*Wattage Factory Set</small>			

Options

Controls*

- OSDL/IR** Multi-Level Occ. Sensor w/ wireless config.
- OSDL/BT** AleoBlue Wireless Bluetooth Occupancy Sensor
- WLC/BT** AleoBlue Wireless Bluetooth Lighting Control Node

Emergency Backup¹

- EM700** 700lm
- EM1400** 1400lm

Designation

- BAA** Buy American Act Compliant
- BABAA** Build America, Buy America Act Compliant

Specifications and Dimensions subject to change without notice.

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 130 LPW (typ.)
CRI	82+, R9 > 0
Available CCT	3500K/4000K/5000K
Color Consistency	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70 ³	> 72,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-20°C to 50°C



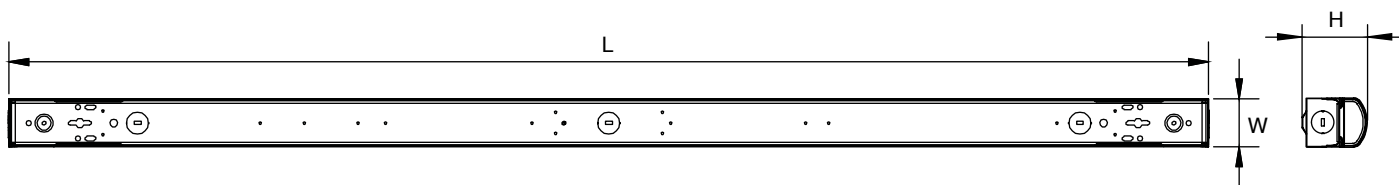
Performance Data

Form Factor	Catalog No.	Rated Wattage (W)	Tested Wattage (W)	3500K		4000K		5000K	
				Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'	LSX-2-UXH-20/8CT G5	12	12	1812	151	1956	163	1824	152
		15	15	2160	144	2325	155	2175	145
		20	19	2740	137	2940	147	2760	138
4'	LSX-4-UXH-40/8CT G5	25	24	3575	143	3925	157	3650	146
		30	29	4230	141	4650	155	4320	144
		40	39	5400	135	5920	148	5520	138
8'	LSX-8-UXH-65/8CT G5	55	56	7810	142	8525	155	7975	145
		60	61	8220	137	9000	150	8400	140
		65	66	8775	135	9620	148	8970	138
	LSX-8-UXH-90/8CT G5	65	63	9425	145	10335	159	9685	149
		75	76	10800	144	11850	158	11100	148
		90	92	12420	138	13590	151	12780	142

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.

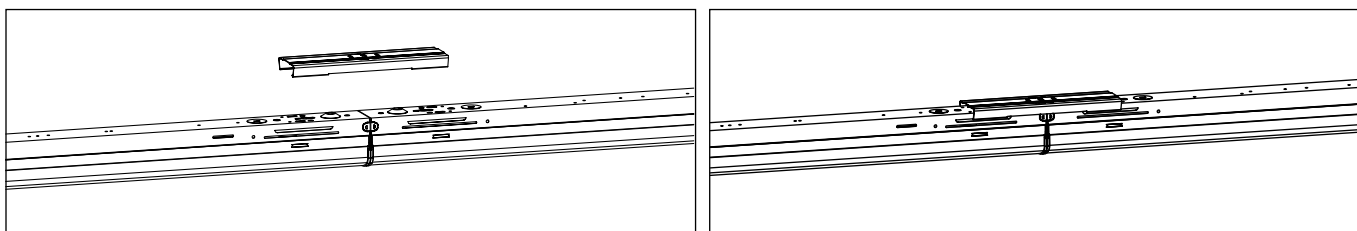
Product Dimensions



Form Factor	Length (L)	Height (H)	Width (W)
LSX-2'	22.2" (564mm)	2.52" (64mm)	1.9" (48mm)
LSX-4'	47.3" (1202mm)	2.52" (64mm)	1.9" (48mm)
LSX-8'	94.2" (2392mm)	2.52" (64mm)	1.9" (48mm)

Item No.: **LSX-DC-BRK G5**

Continuous Run Bracket for LSX G5 Luminaire



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 Wireless Bluetooth Controls



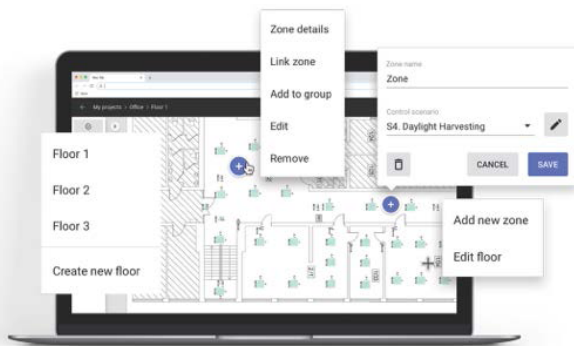
The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.



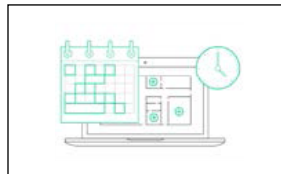
Features and Benefits

- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- Vacancy Sensing
- Per fixture Daylight Control
- Per zone Daylight Control



- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

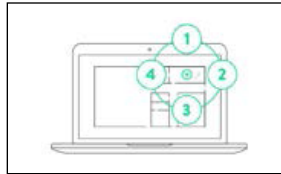
Scheduling



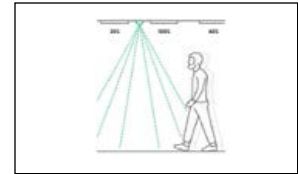
High and Low End Trim



Scenes



Occupancy Sensing



- 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 Mesh Technology Advantages



The fastest low-power communication



Scalability to thousands of devices



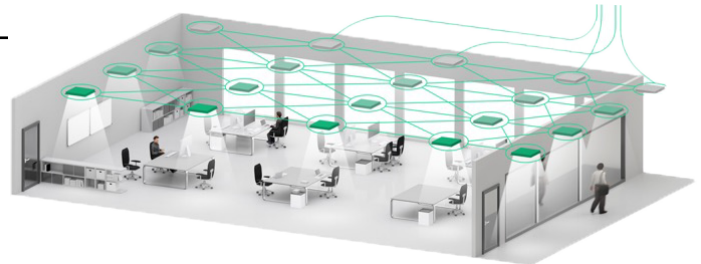
The most advanced encryption standards as well as the cutting-edge device authentication

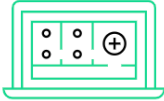


No single point of failure (no central device)



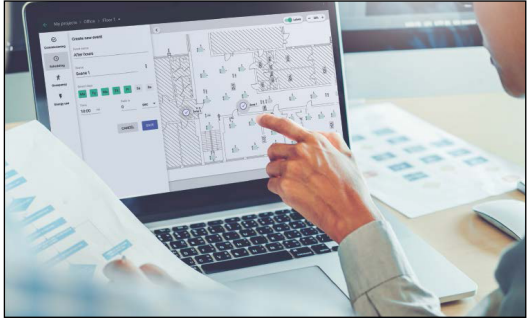
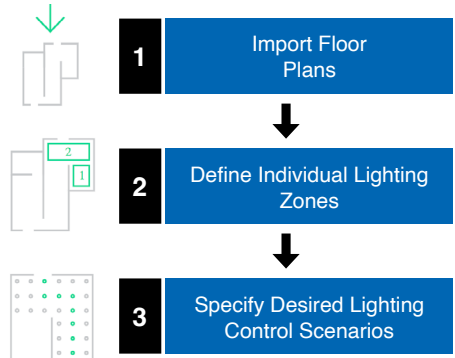
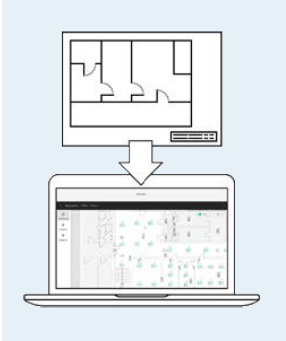
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

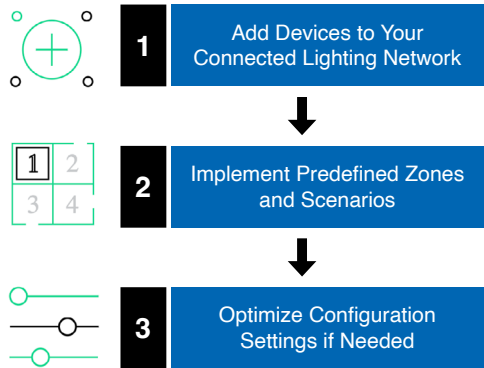
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



Implementation

Adding lighting devices to the Bluetooth mesh 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 mesh Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth mesh compatible app.

Ordering Information



Wireless Bluetooth Occupancy Sensor
Model: -OSDL/BT



Wireless Bluetooth Lighting Control Node
Model: -WLC/BT



EnOcean BLE Single-Rocker Switch
Model: ESRPB



EnOcean BLE Double-Rocker Switch
Model: EDRPB

Specifications and Dimensions subject to change without notice.

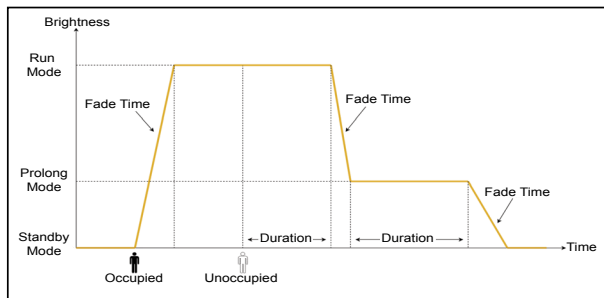
Lighting Control Scenarios

Multiple lighting control scenarios are available once the Bluetooth mesh Node is provisioned. At each scenario, duration, fade time and target brightness can be configured at any time with the iOS app.

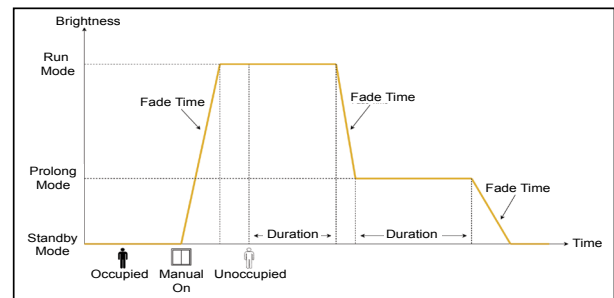


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight Harvesting	On / Off / Scenes	Auto Off	Enabled

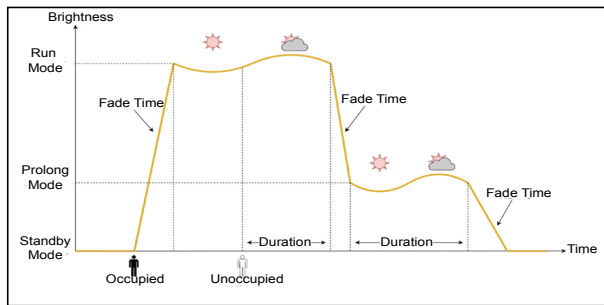
Occupancy Scenario



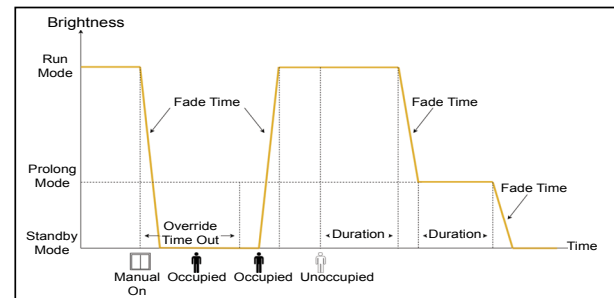
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



Occupancy Scenario with Manual Override



Occupancy Detection Pattern

H	X	Y
7.9' (2.4m)	16.4' (5.0m)	16.4' (5.0m)
8.9' (2.7m)	18.4' (5.6m)	18.4' (5.6m)
9.8' (3.0m)	20.3' (6.2m)	20.3' (6.2m)

Orientation Indicators

