



Project	
Notes	
Type	Date
Cat. No.	

**LVX™ UX Series**

**Slim LED Linear Vapor Tight Luminaire**

**DESCRIPTION**

Aleo's LVX™ UX series offers an attractive, energy-saving solution to wet applications. 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 IP-rated, wet location applications: Parking garage, warehouse, industrial facilities, airports, cold storage, car wash, garden centers, food storage.



**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**

Reflector 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

**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 box

**Installation / Mounting**

For surface-mount or suspension-mount. Equipped with mounting bracket.

**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.

**LVX Series**

4' 34W/38W/45W  
8' 38W/46W/54W

Rated Life 75,000 hours  
Limited Warranty 7-years  
Efficacy Up to 131 LPW  
Continuous Dimming



**Quick Ship**

LVX-4-UXH-45/8CT XE G4  
LVX-8-UXL-54/8CT XE G4

**Ordering Information**

Example: LVX-4-UXH-45/8CT XE G4 (XX)

LVX	4	UXH	45	8	CT	(XX)	[Blank]	[Blank]	Options
<b>Series</b>	<b>Form Factor</b>	<b>Lumen Package</b>	<b>Max Wattage</b>	<b>CRI</b>	<b>Color Temp</b>	<b>Nominal Wattage</b>	<b>Input Voltage</b>	<b>Dimming</b>	<b>Latches</b>
LVX	4 4'	UXH Factory Set	4'	8 83+	CT Field Adjust.	4'	Blank	Blank	Blank
Slim LED	8 8'	UXL Factory Set	45W		3500K	34W/38W/45W	120V-277V	0-10V	Stainless
Linear			8'		4000K	8'		Continuous	Steel
Vapor Tight			54W		5000K	38W/46W/54W		Dimming	Latches
Luminaire					*Utilize 3-way switch to select	*Wattage Factory Set	<b>Controls*</b> OSDL/IR Multi-Level Occ. Sensor w/ wireless config.		
							<b>Emergency Backup</b>		
							EM700	700lm	
							EM1400	1400lm	
							EM2000	2000lm	

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	> 131 LPW (typ.)
CRI	83+, R9 > 0
Available CCT	3500K, 4000K, 5000K
Color Consistency <sup>1</sup>	5-step MacAdam Ellipse
Rated Life	75,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp	-40°C to +45°C
IP Rating	IP65 Wet Location

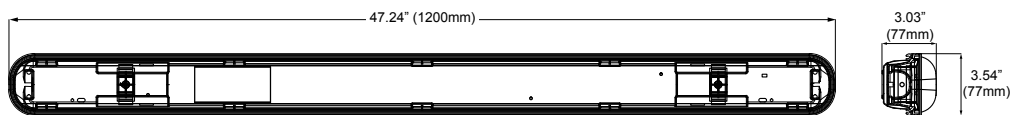


Performance Data

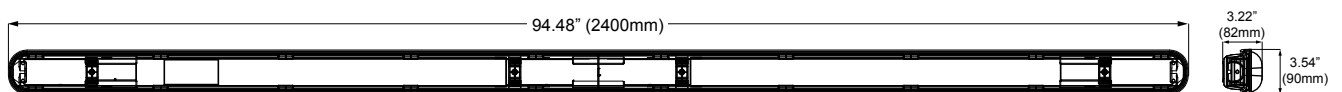
Form Factor	Catalog No.	Rated Wattage (W)	Tested Wattage (W)	3500K		4000K		5000K	
				Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	LVX-4-UXH-45/8CT XE G4	34	33	4719	143	5214	158	4818	146
		38	38	5320	140	5890	155	5434	143
		45	45	6075	135	6705	149	6210	138
8'	LVX-8-UXL-54/8CT XE G4	38	37	5402	146	5809	157	5513	149
		46	44	6292	143	6776	154	6424	146
		54	54	7614	141	8208	152	7776	144

Product Dimensions

LVX-4



LVX-8



Specifications and Dimensions subject to change without notice.



**DLC QPL Data**

QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LVX-4-UXH-45/8CT XE G4 (34)	PUSMFS6W	5	Premium	Direct Linear Ambient Luminaires
LVX-4-UXH-45/8CT XE G4 (38)	P9SP1LF3	5	Premium	Direct Linear Ambient Luminaires
LVX-4-UXH-45/8CT XE G4 (45)	PI15R9XT	5	Premium	Direct Linear Ambient Luminaires
LVX-8-UXL-54/8CT XE G4 (38)	PQWTU5BB	5	Premium	Direct Linear Ambient Luminaires
LVX-8-UXL-54/8CT XE G4 (46)	P7Q0PTI5	5	Premium	Direct Linear Ambient Luminaires
LVX-8-UXL-54/8CT XE G4 (54)	P3W0MVXJ	5	Premium	Direct Linear Ambient Luminaires



NOTES:

<sup>1</sup> Typical color consistency. May vary or be changed.

Specifications and Dimensions subject to change without notice.



## AleoBlue Wireless Bluetooth Controls

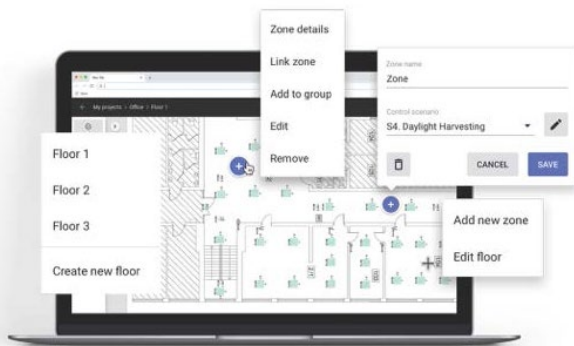


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

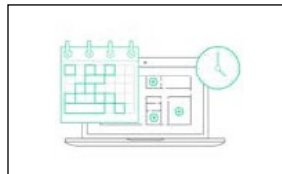
### Features and Benefits

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

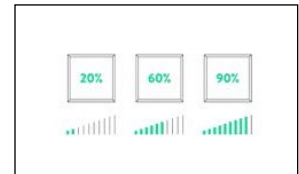


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

#### Scheduling



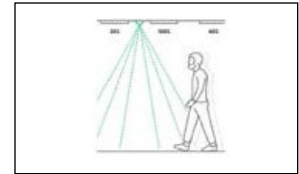
#### High and Low End Trim



#### 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



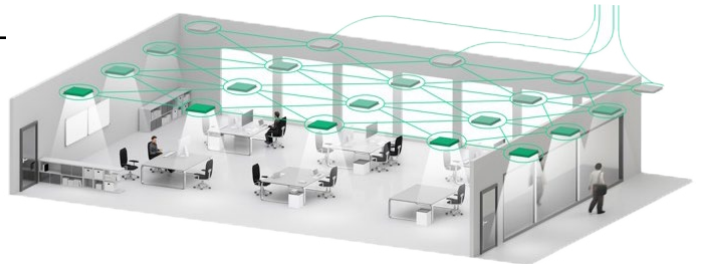
The most advanced encryption standards as well as the cutting-edge device authentication

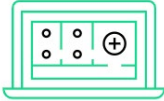


No single point of failure (no central device)



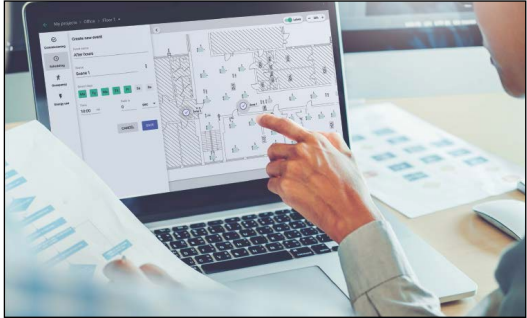
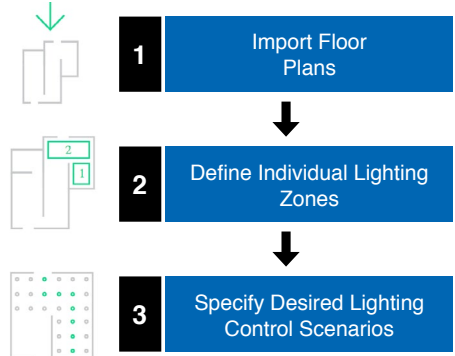
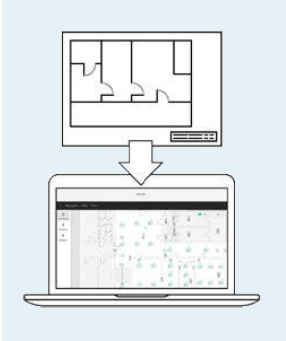
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





**Planning**

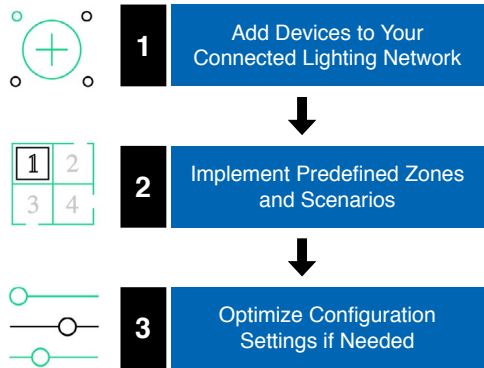
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



**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

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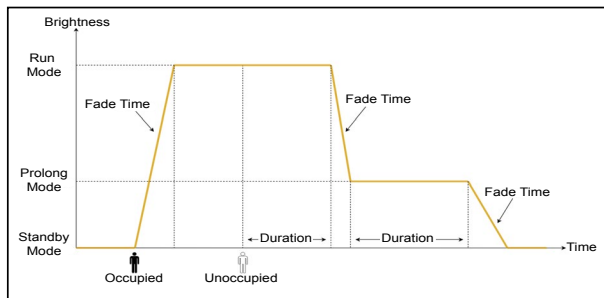
## Lighting Control Scenarios

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.

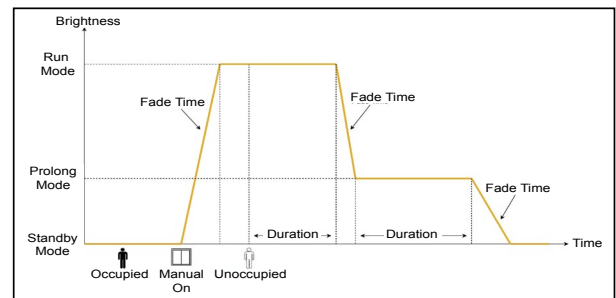


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

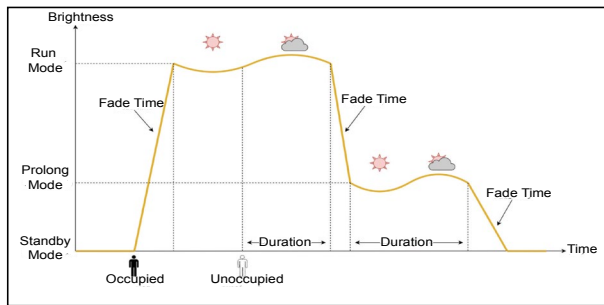
### Occupancy Scenario



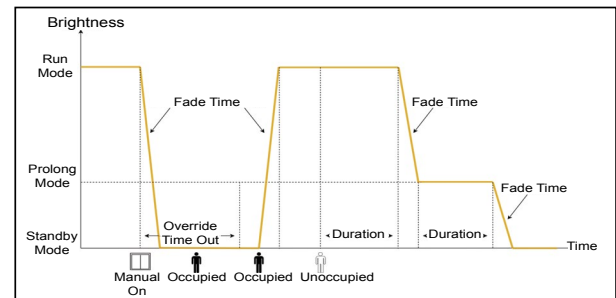
### Vacancy Scenario



### 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

