aleo™
LED LIGHTING

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.

CCT FIELD ADJUSTABLE · **WET LOCATION RATED** · **DLC QPL LISTED PREMIUM** · **7 LIMITED WARRANTY** · **UL LISTED** · **aleoblue™**

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

CONTINUOUS DIMMING 0-10V Continuous

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
Series	**Form Factor**	**Lumen Package**	**Max Wattage**	**CRI**	**Color Temp**	**Nominal Wattage**	**Input Voltage**	**Dimming**	**Latches**
LVX Slim LED Linear Vapor Tight Luminaire	**4** 4' **8** 8'	**UXH** Factory Set **UXL** Factory Set	**4'** 45W **8'** 54W	**8** 83+	**CT Field Adjust.** 3500K 4000K 5000K *Utilize 3-way switch to select	**4'** 34W/38W/45W **8'** 38W/46W/54W *Wattage Factory Set	**Blank** 120V-277V	**Blank** 0-10V Continuous Dimming	**Blank** Stainless Steel Latches

Controls*		Emergency Backup[1]				Designation		
OSDL/IR	Multi-Level Occ. Sensor w/ wireless config.	**EM700** 700lm **EM1400** 1400lm **EM2000** 2000lm		**EM2C**	Secondary Emergency Circuit (3500lm)	**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	> 131 LPW (typ.)
CRI	83+, R9 > 0
Available CCT	3500K, 4000K, 5000K
Color Consistency[2]	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

47.24" (1200mm)
3.03" (77mm)
3.54" (77mm)

LVX-8

94.48" (2400mm)
3.22" (82mm)
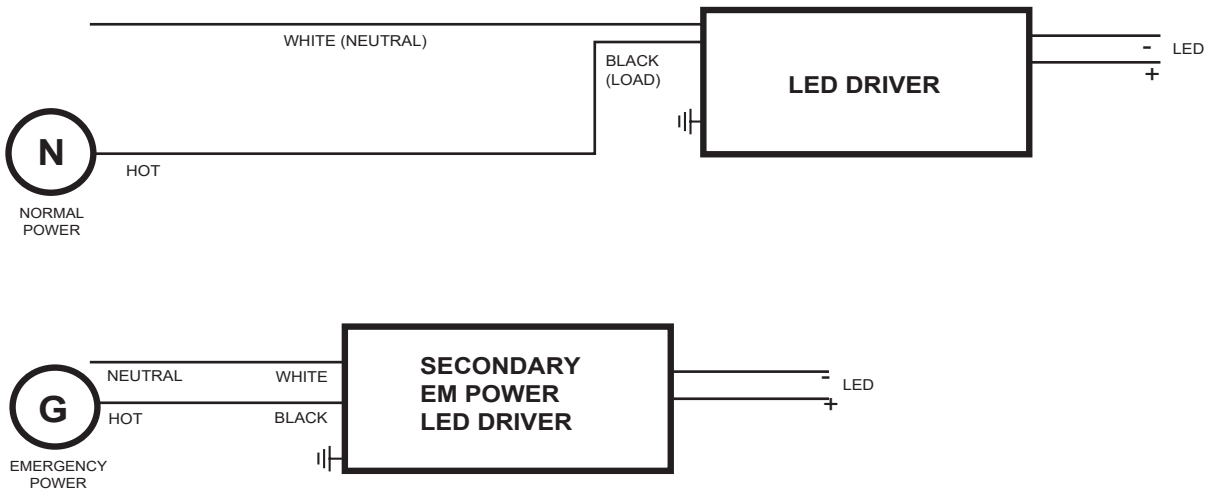3.54" (90mm)
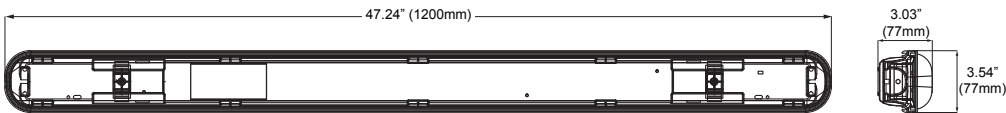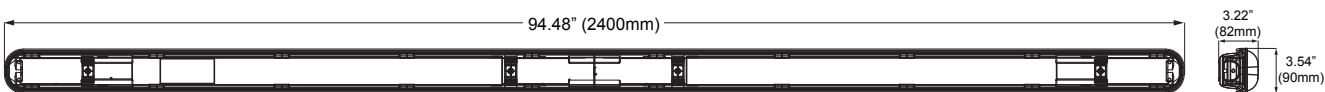
NOTES:

1   IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY
2   Typical color consistency. May vary or be changed.

Specifications and Dimensions subject to change without notice.

EM2C - Secondary Emergency Circuit - 3500 lumens

Independent, auxillary lighting at full brightness from the generator or inverter, regardless of local controls/sensor settings.

TYPICAL WIRING DIAGRAM

WHITE (NEUTRAL)

BLACK
(LOAD)

LED DRIVER

- LED
+

N

HOT

NORMAL
POWER

NEUTRAL   WHITE

**SECONDARY
EM POWER
LED DRIVER**

- LED
+

G

HOT   BLACK

EMERGENCY
POWER

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

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

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## 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

Scheduling
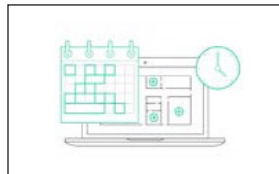
High and Low End Trim

20%   60%   90%

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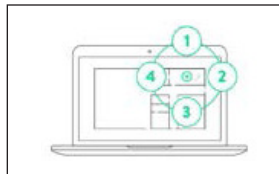
Occupancy Sensing
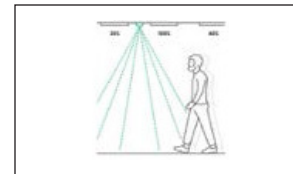
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertize 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
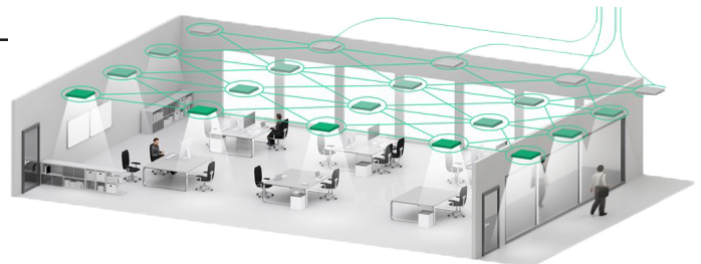
Scalability to thousands of devices

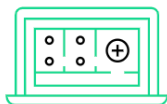The most advanced encryption standards as well as the cutting-edge device authentication

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)

Specifications and Dimensions subject to change without notice.

Form LVX UX G4-SS / Rev. 07   **Aleo Lighting, Inc.** I www.aleolighting.com I Ph: 877-358-8825
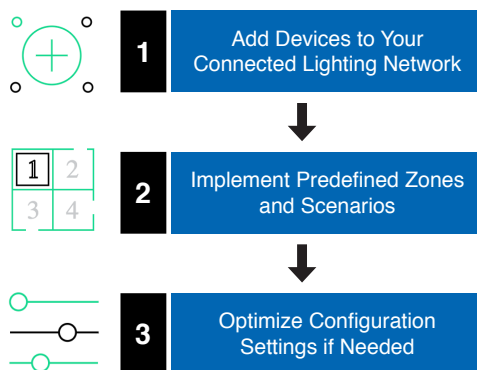
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Planning

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	Define Individual Lighting Zones
3	Specify Desired Lighting Control Scenarios
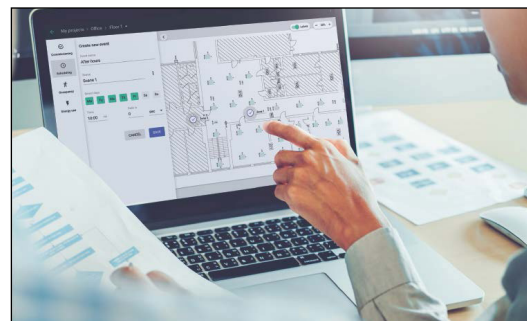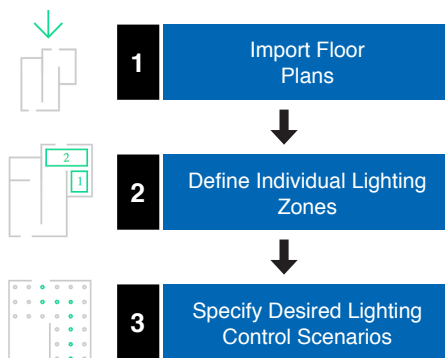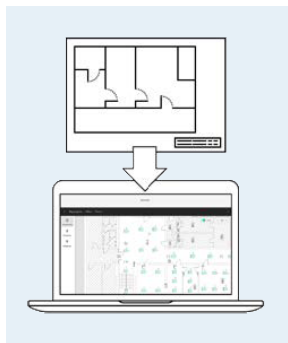
Implementation

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.

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

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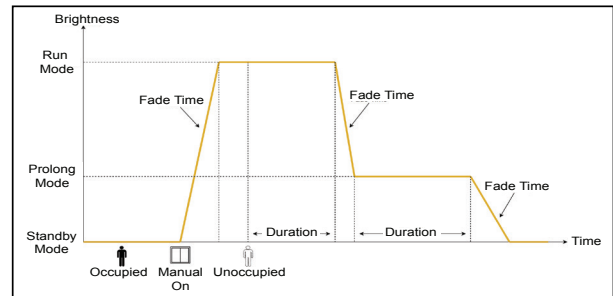
| Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

Occupancy Scenario
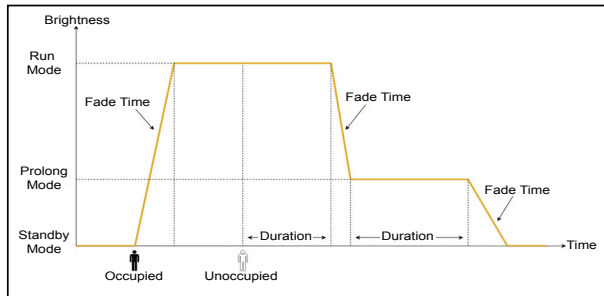
Vacancy Scenario

Occupancy Scenario - with Daylight Harvesting
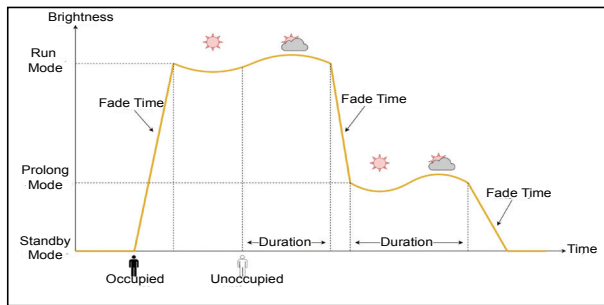
Occupancy Scenario with Manual Override
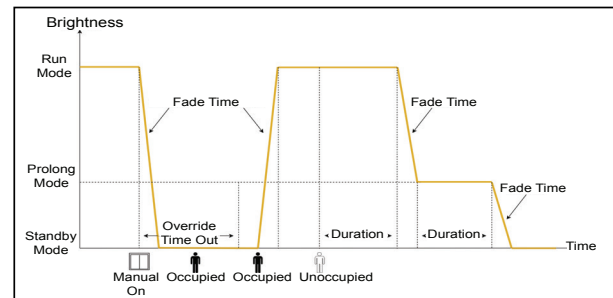
Occupancy Detection Pattern

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

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