



Project	
Notes	
Type	Date
Cat. No.	

LWS™ UX Series **LED Architectural Wrap Luminaire**

DESCRIPTION

The Aleo LWS™ UX series Architectural Wrap Luminaire delivers industry-leading performance with deep energy savings and continuous dimming. The curved diffuser offers visually-pleasing illumination and aesthetics. This versatile luminaire transforms spaces with a high-end look, providing comfortable illumination for a myriad of applications.

APPLICATIONS

Excellent for various surface-mounts and suspended applications: offices, conference rooms, restrooms, hallways, corridors, stairwells.



Specification Features



LWS UX Series
4' 34W/30W/25W

Construction

Modular LED and driver allows for serviceability and maintenance. Luminaire features matte white durable finish. Convenient installation with hanging gear-tray.

Optical System

Reflector systems features highly reflective coating and delivers balanced, comfortable illuminance for productive spaces. Curved, ribbed, 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 Standard.

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. Suitable for suspension, surface, or pendant 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.

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

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 137 LPW
Continuous Dimming



Quick Ship
LWS-4UXL-34/8CT XE G4

Ordering Information

Example: LWS-4UXL-34/8CT XE G4 (XX)

LWS	4	UXL	34	8	CT	(XX)	[Blank]	[Blank]
Series	Form Factor	Lumen Package	Max Wattage	CRI	Color Temp¹	Nominal Wattage	Input Voltage	Dimming
LWS LED Architectural Wrap Luminaire	4 4'	UXL Factory Set	34	8 82+	CT Field Adjust. 3500K 4000K 5000K	(XX) 34W/30W/25W	Blank 120V-277V	Blank 0-10V Continuous Dimming
					<small>*Utilize 3-way switch to select</small>	<small>*Wattage Factory Set</small>		

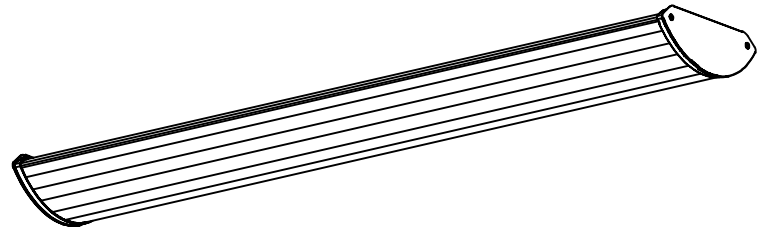
Options

Emergency Backup² EM700 700lm EM1400 1400lm	Controls OSDL/BT AleoBlue Wireless Bluetooth Occupancy Sensor WLC/BT AleoBlue Wireless Bluetooth Lighting Control Node OSDL/HF/IR Multi-Level High Frequency Occ Sensor IR Commissioning	Designation BAA Buy American Act Compliant BABAA Build America, Buy America Act Compliant
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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	> 137 LPW (typ.)
CRI	82+, R9 > 0
Available CCT ¹	3500K/4000K/5000K
Color Consistency ³	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70 ⁴	> 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)
4'	LWS-4UXL-34/8CT XE G4	25	24	3550	142	3675	147	3575	143
		30	29	4200	140	4350	145	4230	141
		34	33	4658	137	4828	142	4692	138

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

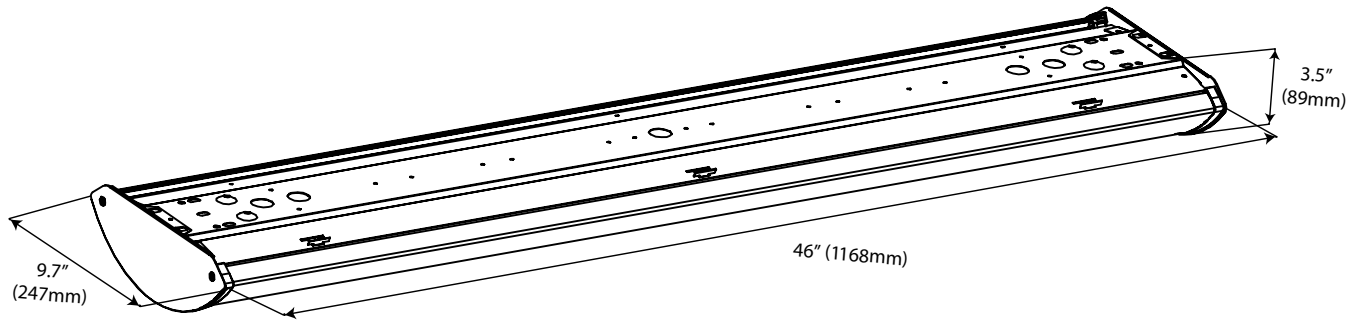
*Note: BAA and BABAA product will require lead times approximately ranging from 12-18 weeks. Contact your Aleo representative for more information

NOTES:

- ¹ Quick ship: 4000K. Other CCTs may require a lead time or be special order
- ² IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY
- ³ Typical color consistency. May vary or be changed.
- ⁴ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact manufacturer for detailed information

Specifications and Dimensions subject to change without notice.

Product Dimensions



DLC QPL Data



QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LWS-4UXL-34/8CT XE G4 (25) [-YYXX/ZZ]	S-00M152	5.1	Standard	Direct Linear Ambient Luminaires
LWS-4UXL-34/8CT XE G4 (34) [-YYXX/ZZ]	S-LFO60X	5.1	Standard	Direct Linear Ambient Luminaires
LWS-4UXL-34/8CT XE G4 (30) [-YYXX/ZZ]	S-QD930V	5.1	Standard	Direct Linear Ambient Luminaires



AleoBlue Wireless Bluetooth Controls

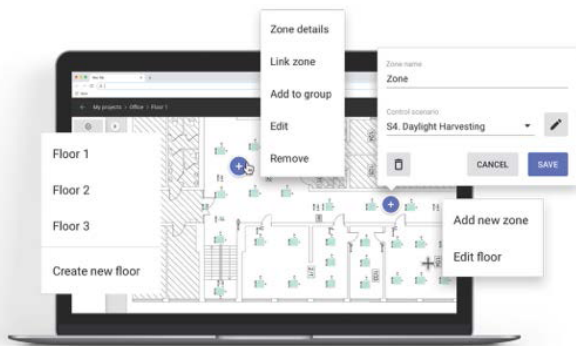


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

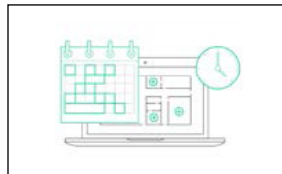
Features and Benefits

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

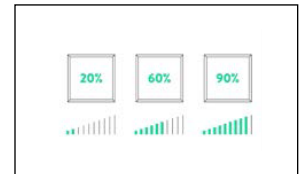


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

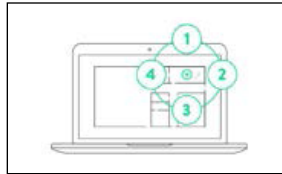
Scheduling



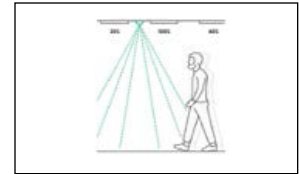
High and Low End Trim



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



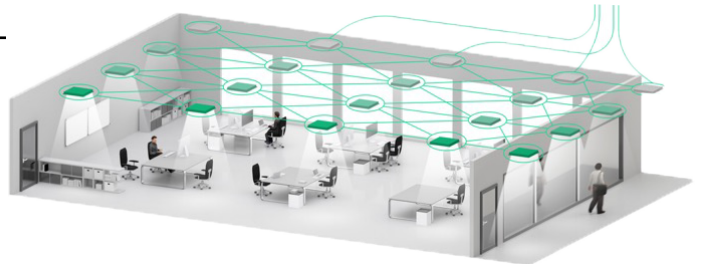
The most advanced encryption standards as well as the cutting-edge device authentication

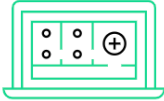


No single point of failure (no central device)



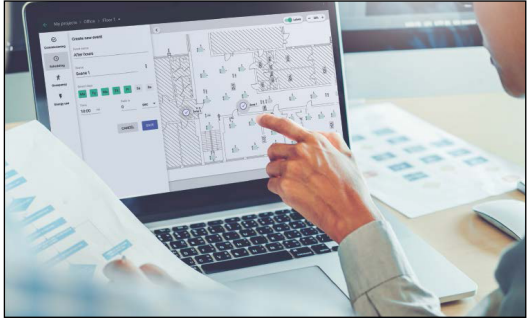
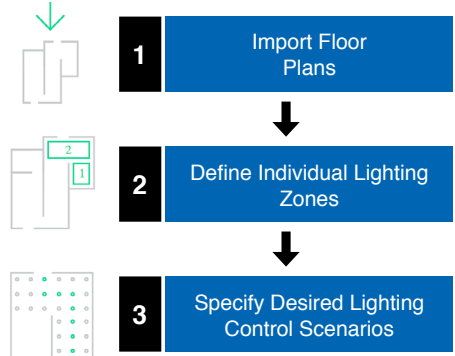
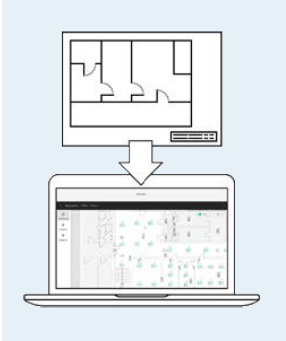
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

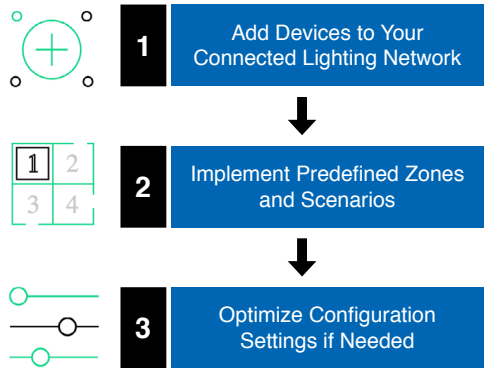
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



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 Lighting Control Node
Model: -WLC/BT



EnOcean BLE Single-Rocker Switch
Model: ESRPB



EnOcean BLE Double-Rocker Switch
Model: EDRPB



Wireless, AC Powered, Ceiling-Mount Occ. Sensor
Model: CM-AC-OS/BT

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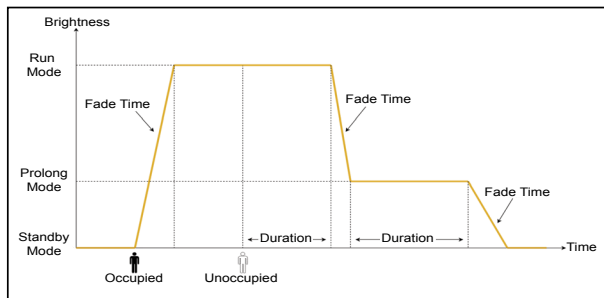
Lighting Control Scenarios

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.

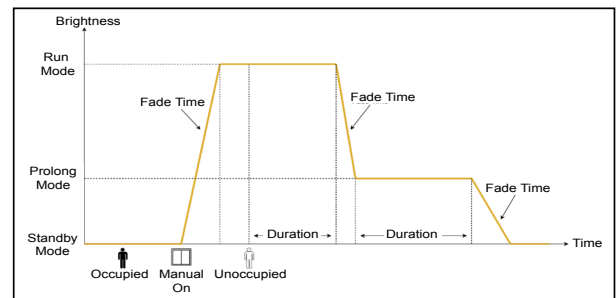


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

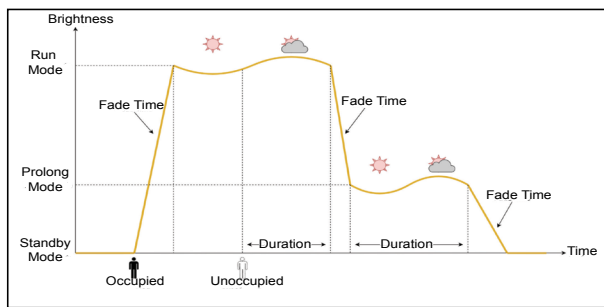
Occupancy Scenario



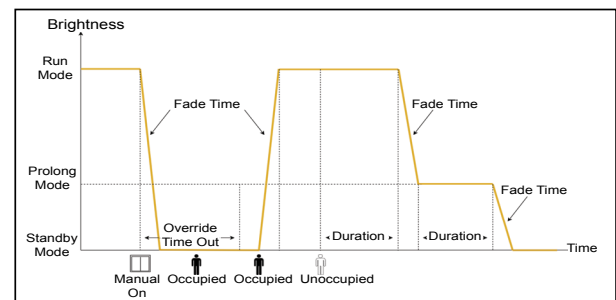
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



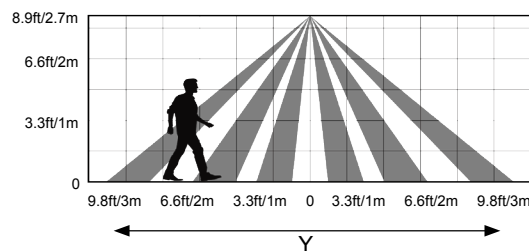
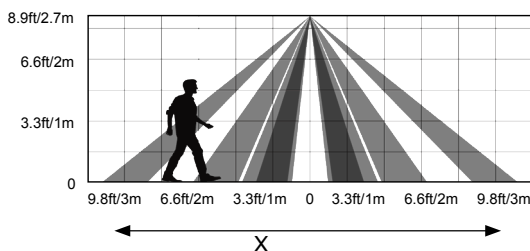
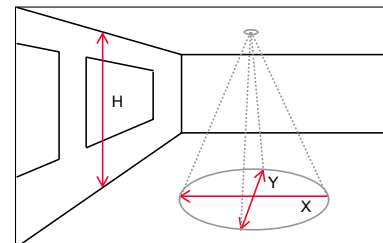
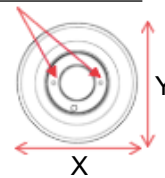
Occupancy Scenario with Manual Override



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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