aleo
LED LIGHTING ™

Project	
Notes	
Type	Date
Cat. No.	

LWS™ G4 SR/RC Series — LED Architectural Wrap Luminaire - Sensor Ready

DESCRIPTION

The Aleo LWS™ G4 SR/RC 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.

DLC LISTED · **CCT FIELD ADJUSTABLE** · **7-YEAR LIMITED WARRANTY** · **UL LISTED** · **aleoblue**

LWS G4 SR/RC Series

4' 34W/30W/25W

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

CONTINUOUS DIMMING 0-10V Continuous

Quick Ship

LWS-4UXL-34/8CT XE G4

Specification Features

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. Sensor ready with snap-in receptacle for field installed plug/play sensor.

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

Ordering Information

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

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

Options

| Emergency Backup²	Controls	Designation
EM700 700lm **EM1400** 1400lm	**See Pg. 3 for Ordering Details on** AleoBlue Wireless Bluetooth Occupancy Sensor (Plug & Play Field Install)	**BAA** Buy American Act Compliant **BABAA** Build America, Buy America Act Compliant

Specifications and Dimensions subject to change without notice.

LWS_UX_G4_SR_RC_Spec_rev01 **Aleo Lighting, Inc.** | www.aleolighting.com | Ph: 877-358-8825

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
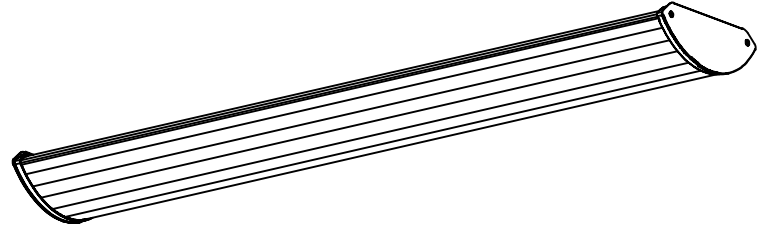
Performance Data

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**

3.5"
(89mm)

46" (1168mm)

9.7"
(247mm)

DLC QPL Data

DLC LISTED
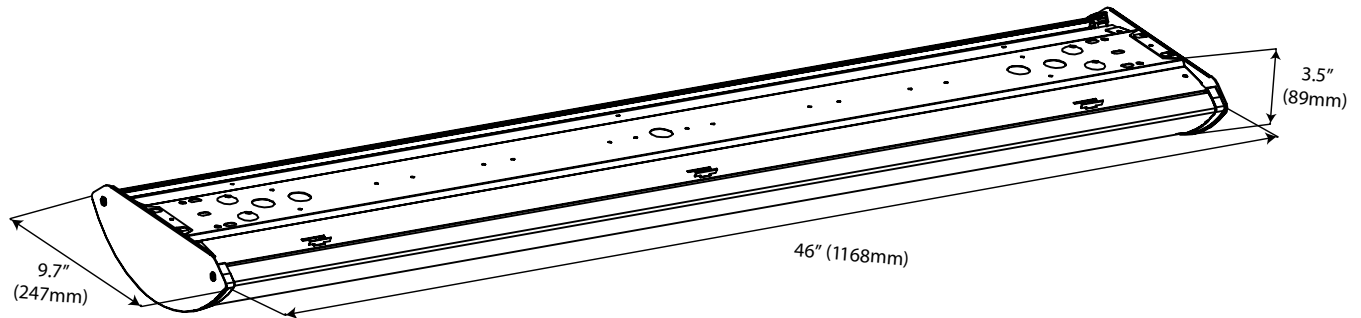
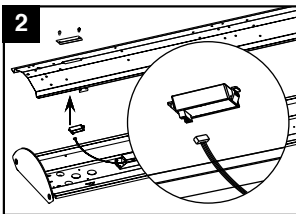| QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LWS-4UXL-34/8CT XE G4 (25) [-YYXX/ZZ]	S-0OM152	5.1	Standard	Direct Linear Ambient Luminaires
LWS-4UXL-34/8CT XE G4 (34) [-YYXX/ZZ]	S-LFO60X	5.1	Standard	Direct Linear Ambient Luminaires
LWS-4UXL-34/8CT XE G4 (30) [-YYXX/ZZ]	S-QD930V	5.1	Standard	Direct Linear Ambient Luminaires

Sensors Options

Catalog No.	Description	Ordering	Shipping	Remote Control
SHF-OSDL/IR-PP3-DC-320	Multi-level High Frequency Occ Sensor w/ Photocell Function, snap-in with quick connector, IR remote setting, Rectangular, ver. 320	Order Separately	Field Install (Plug/Play)	RC100
SHF-OSDL/BT-PP3-DC-312	AleoBluey, Wireless Bluetooth High Frequency Occ Sensor w/ Daylight Harvesting, 12V DC input, snap-in with quick connector	Order Separately	Field Install (Plug/Play)	AleoBlue App

Sensor Installation
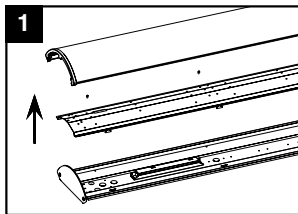
1	2	3	4
Detach lens/gear tray from the base of the fixture.	From the front of the gear tray, remove the (2) screws from the sensor plate. Connect and mate the connector from the wiring harness to the terminal connectors of the sensor.	Snap the sensor into the sensor cut-out from the back of the gear tray.	Reattach the lens/gear tray to complete the installation.
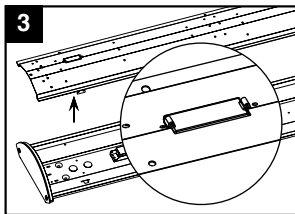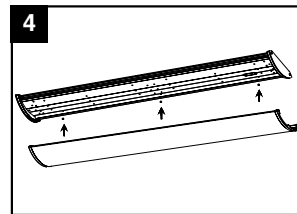
Specifications and Dimensions subject to change without notice.

# aleoblue™

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.

DLC LISTED

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
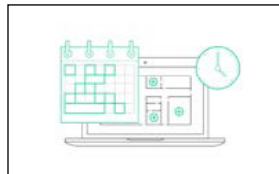
High and Low End Trim

20% 60% 90%

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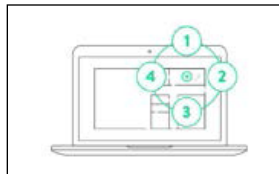
Occupancy Sensing
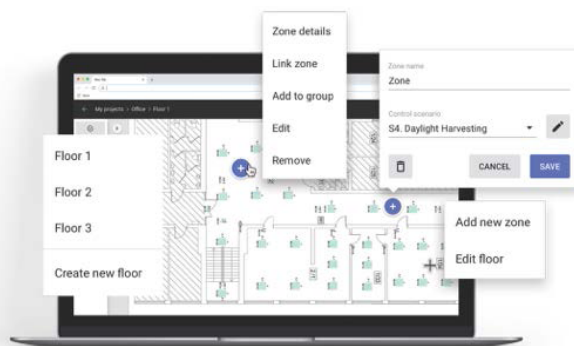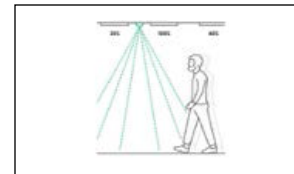
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

- 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
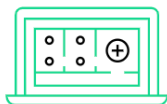
No single point of failure (no central device)

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

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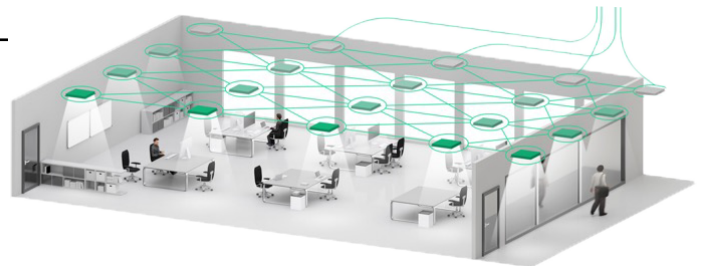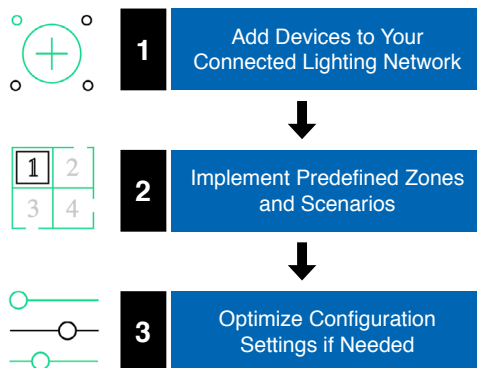
Planning

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
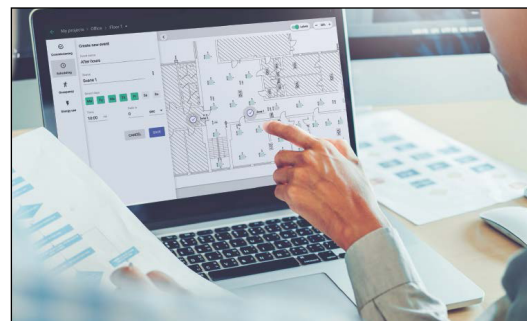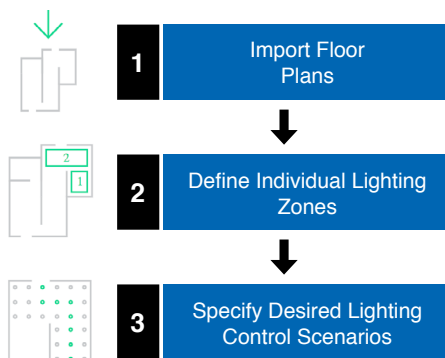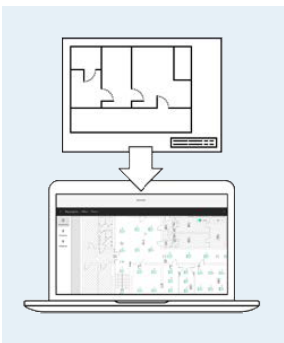
Implementation

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

AleoBlue Bluetooth Occ. Sensor w/ Daylight
Model: SHF-OSDL/ BT-PP3-DC-312

Single Rocker Kinetic Dimmer Switch
Model: WM-KN-DMSR/BT-200

Double Rocker Kinetic Dimmer Switch
Model: WM-KN-DMDR/BT-202

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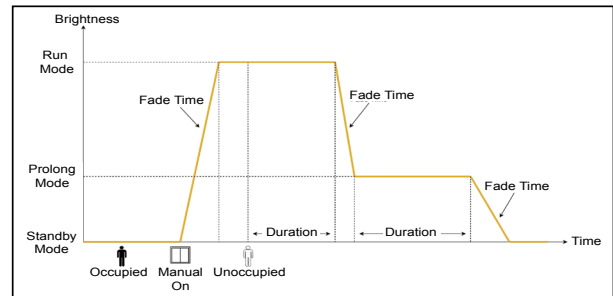
Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

Occupancy Scenario
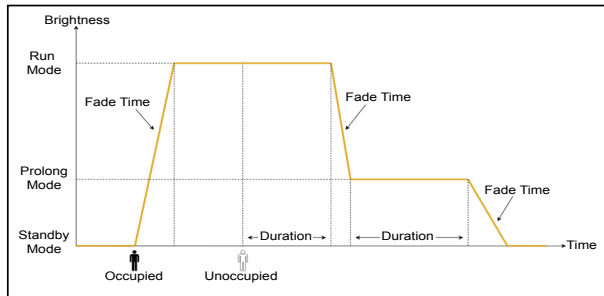
Vacancy Scenario
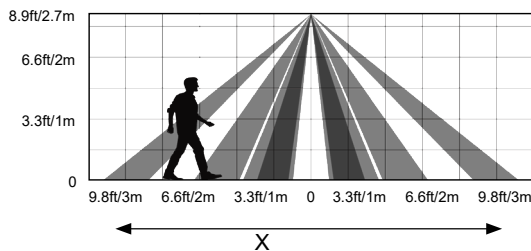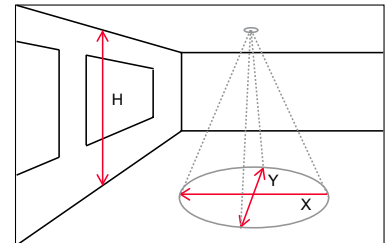

Occupancy Scenario - with Daylight Harvesting
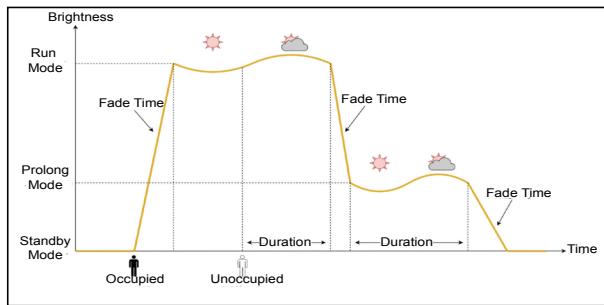
Occupancy Scenario with Manual Override
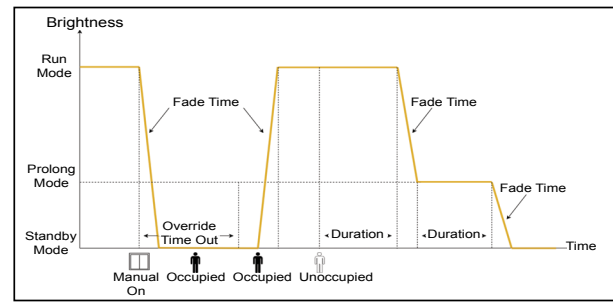
Occupancy Detection Pattern

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
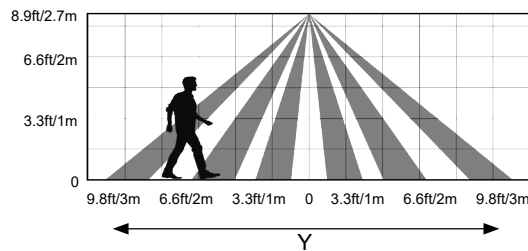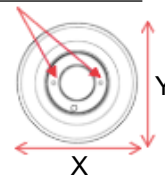
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