

## LWA™ G4 SR/RC Series

## LED Commercial Wrap Luminaire - Sensor Ready

### DESCRIPTION

The Aleo LWA™ G4 SR/RC Series Commercial Wrap 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: storage closets, restrooms, hallways, corridors, stairwells.



**LWA G4 SR/RC Series**

**4' 40W/35W/30W**

### Specification Features



#### Construction

Modular LED and driver allows for serviceability and maintenance. Luminaire features matte 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 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. DLC 5.1 Standard QPL Listed.

#### 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.

#### 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

**Rated Life** 75,000 hours  
**Limited Warranty** 7-years  
**Efficacy** Up to 135 LPW  
**Continuous Dimming**



**Quick Ship**

LWA-4UXH-40/8CT XE G4

### Ordering Information

Example: LWA-4UXH-40/8CT XE G4 (SR/RC)

LWA	4	UXH	40	8	CT	[Blank]	(XX)	[Blank]	[Blank]
<b>Series</b> LWA LED Commercial Wrap Luminaire	<b>Form Factor</b> 4 4'	<b>Lumen Package</b> UXH Factory Set	<b>Max Wattage</b> 40	<b>CRI</b> 8 83+	<b>Color Temp¹</b> CT Field Adjust. 3500K 4000K 5000K <small>*Utilize 3-way switch to select</small>	<b>Input Voltage</b> Blank 120V-277V	<b>Nominal Wattage</b> (XX) 40W/35W/30W <small>*Wattage Factory Set</small>	<b>Sensor</b> (SR/RC) Sensor Ready with sensor receptacle	<b>Dimming</b> Blank 0-10V Continuous Dimming

#### Options

#### Emergency Backup¹

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

#### Controls

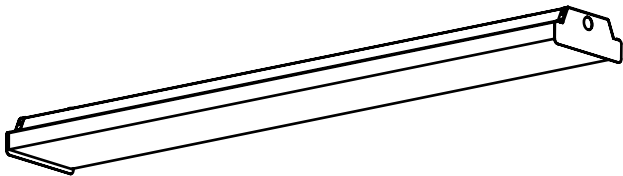
**See Pg. 3 for Ordering Details on**  
AleoBlue Wireless Bluetooth Occupancy Sensor  
(Plug & Play Field Install)

#### Designation

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

Performance Summary

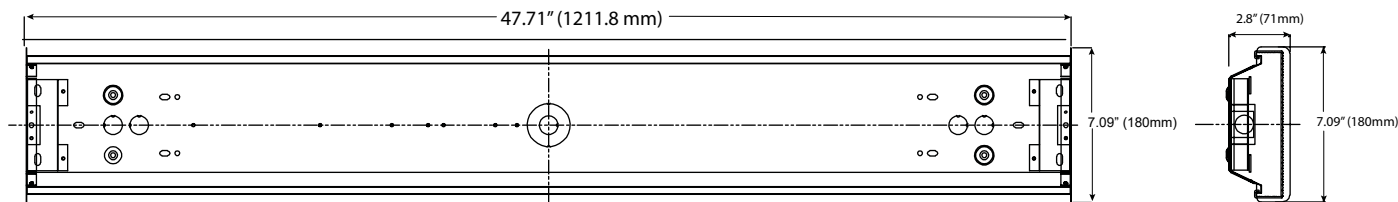
Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 135 LPW (typ.)
CRI	83+, R9 > 0
Available CCT <sup>2</sup>	3500K/4000K/5000K
Color Consistency <sup>2</sup>	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70 <sup>3</sup>	> 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)	3500K		4000K		5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	LWA-4UXH-40/8CT XE G4	30	4260	142	4500	150	4290	143
		35	4795	137	5075	145	4830	138
		40	5400	135	5720	143	5440	136

Product Dimensions



DLC QPL Data

QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LWA-4UXH-40/8CT XE G4 (40) [-YYXX/ZZ]	S-FNMJVB	5.1	Standard	Direct Linear Ambient Luminaires
LWA-4UXH-40/8CT XE G4 (35) [-YYXX/ZZ]	S-VSUYFL	5.1	Standard	Direct Linear Ambient Luminaires
LWA-4UXH-40/8CT XE G4 (30) [-YYXX/ZZ]	S-W4TGNP	5.1	Standard	Direct Linear Ambient Luminaires

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.

3

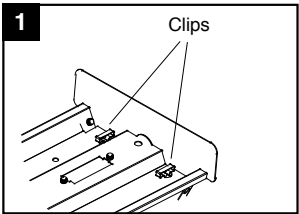
L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact manufacturer for detailed information

Sensors Options

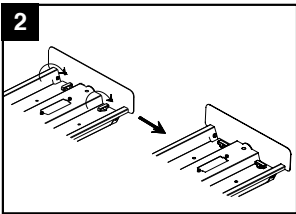


Catalog No.	Description	Ordering	Shipping	Remote Control
SHF-OSDL/IR-PP3-DC-320	Multi-level High Frequency Occ Sensor w/ Photocell Function, snap-in with quick connector, IR remote setting, Rectangular, ver. 320	Order Separately	Field Install (Plug/Play)	RC100
SHF-OSDL/BT-PP3-DC-312	AleoBlue, Wireless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

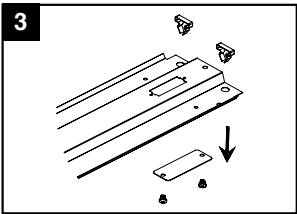
Sensor Installation



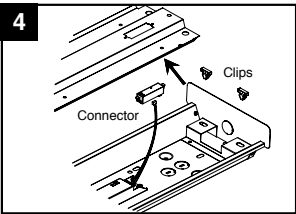
Detach lens/gear tray from the base of the fixture.



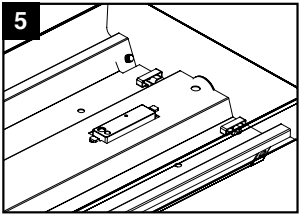
Open the gear tray by rotating the (4) clips 90°.



Remove the (4) clips and the (2) screws to release the sensor plate from the back of the gear tray.



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. Then, reattach the lens/gear tray by attaching the (4) clips and rotating 90° to complete the installation.

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



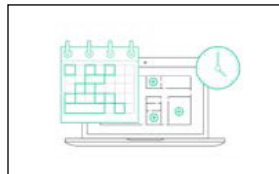
The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

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

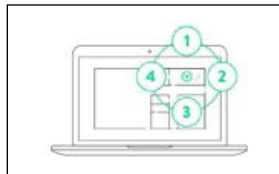
### Scheduling



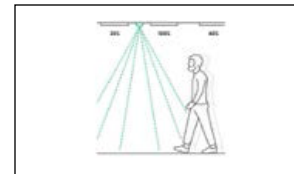
### High and Low End Trim



### 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 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



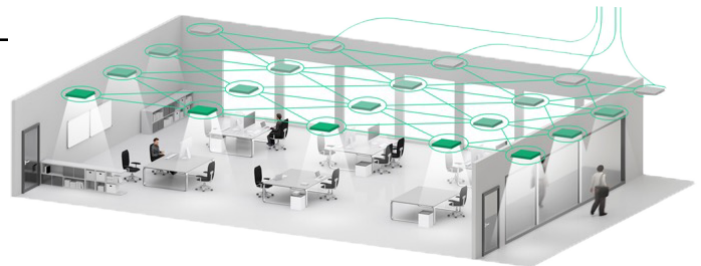
The most advanced encryption standards as well as the cutting-edge device authentication

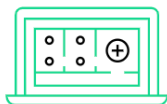


No single point of failure (no central device)



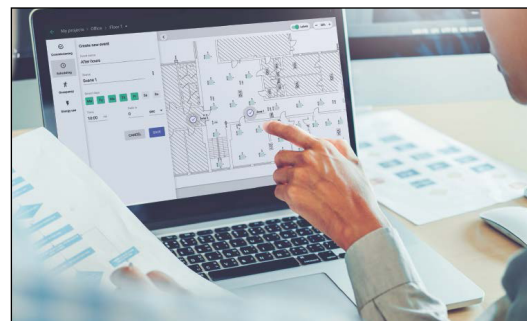
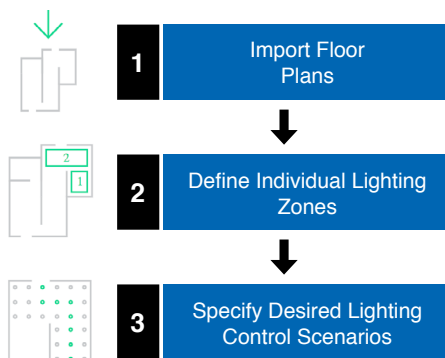
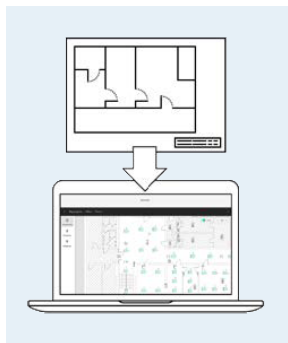
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





## Planning

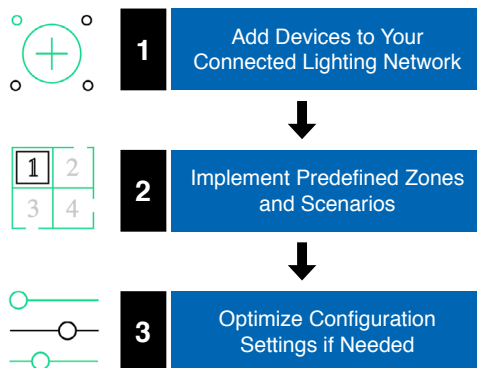
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



## 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



**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

Specifications and Dimensions subject to change without notice.

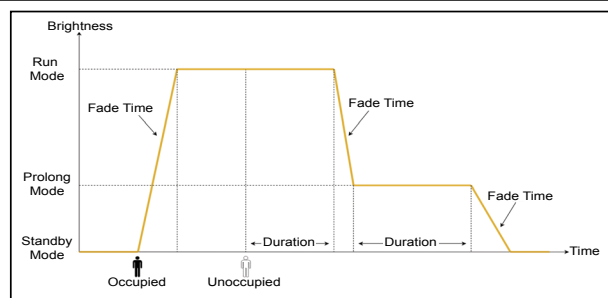
## Lighting Control Scenarios

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.

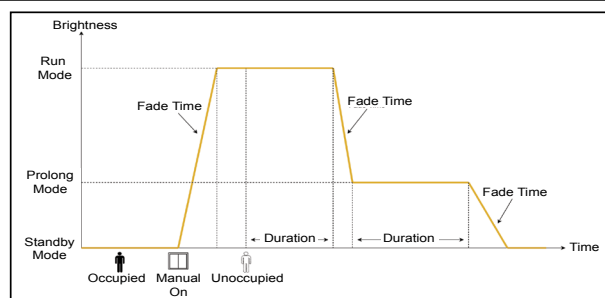


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

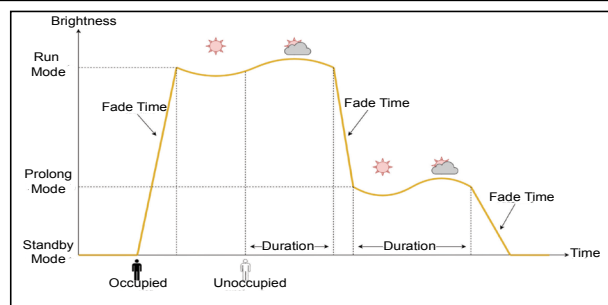
### Occupancy Scenario



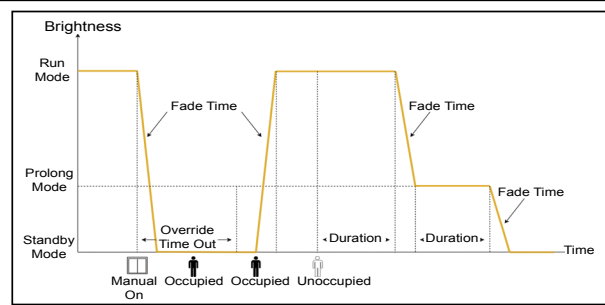
### Vacancy Scenario



### Occupancy Scenario - with Daylight Harvesting



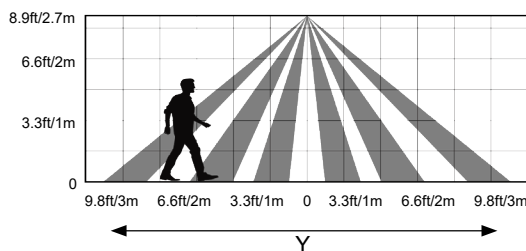
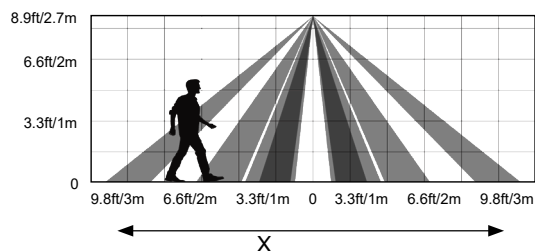
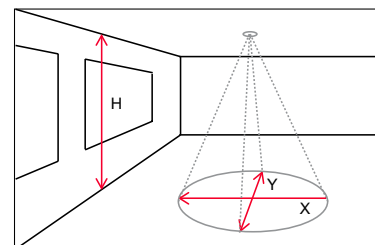
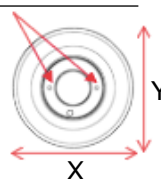
### Occupancy Scenario with Manual Override



## 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



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