aleo™
LED LIGHTING

WPL2™ XE G2 Series | Large LED Wall Pack Luminaire

DESCRIPTION
The Aleo WPL2™ XE G2 Series combines energy-efficiency, advanced optical control, and modern slim profile aesthetics to deliver enhanced performance to outdoor wall-mount lighting applications. Rugged die-cast housing provides advanced thermal management for long life and weather-proof compartment to withstand challenging, outdoor environments.

APPLICATIONS
Outdoor wall-mount applications. Building facade. Retail, commercial, industrial exteriors

Specification Features

WET LOCATION RATED | **DLC LISTED PREMIUM** | **ETL LISTED Intertek** | **aleoblue**

WPL2 XE G2 Series

60W, 80W

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 117 LPW
Continuous Dimming

CONTINUOUS DIMMING
0-10V Continuous

Quick Ship

WPL2-60/50K XE G2
WPL2-80/50K XE G2

Construction
Rugged, die-cast housing with advanced thermal management system ensures reliability and durability. Weather-proof, gasketed driver compartment protects electronics against environmental elements.

Optical System
Precision-formed optical lens system improves safety and security by delivering high-efficiency illumination with precise optical distribution. Type III Med. distribution comes standard.

Certification
ETL Listed. All components have saftey certification. DLC QPL 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 universal voltage (120-277V) for convenient installation.

Installation / Mounting
Luminaire comes standard mounting plate for quick and easy installation.

Controls / Dimming
Suitable for use with sensors and daylight harvesting to achieve deeper energy-savings and code compliance. Sensor accessory available: occupancy sensing with daylight cut-off and photocell (must order with wall pack extension accessory).

Ordering Information

Example: WPL2-60/50K XE G2

WPL2	60	50K	[Blank]	XE G2	[Blank]			[Blank]
Series	**Nominal Wattage**	**Color Temp**	**Input Voltage**	**Generation**	**Controls**			**Emergency Backup**
WPL2 Large LED Wall Pack Luminaire	**60** 57W / **80** 75W	**40K** 4000K / **50K** 5000K	**Blank** 120V-277V	**XE G2** High Efficacy	**OSDL/BT**	AleoBlue Wireless Bluetooth Occupancy Sensor		**EM700** 700lm / **EM1400** 1400lm
					OSDL/IR	Multi-Level Occ. Sensor w/ wireless config.		
					OSDL/BTEZ-B	SimplBlue Occupancy Sensor		
					PC-UNV	Photocell (120V/277V)		

[Blank]			[Blank]
Finish Color			**Accessory***
Blank Dark Bronze RAL#8019	**BLK** Black RAL#9011	**SLV** Silver RAL#9006	**WPL2-JBX-THW** Back Junction Box * Not sold assembled. See Page 2 for details.

Specifications and Dimensions subject to change without notice.

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Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	117 LPW (typ.)
CRI	70+, R9 > 0
Available CCT	4000K, 5000K
Rated Life	50,000 hours
Power Factor	> 0.9
THD	< 20%
Operating Temp.	-25ºC to 40ºC
IP Rating	IP66

Performance Data

Catalog No.	Rated Wattage (W)	4000K		5000K	
		Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
WPL2-60/xxK XE G2	57	6,674.3	116.95	6,762.8	117.84
WPL2-80/xxK XE G2	75	8,847.6	116.58	8,929.9	117.61

Multi-level **Occupancy Sensor**
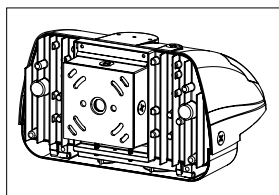PIR Occupancy Sensor with Daylight function Code-compliance

Product **Dimensions**

7.5" (190mm)
12.6" (320mm)
10" (254mm)
4.1" (104mm)
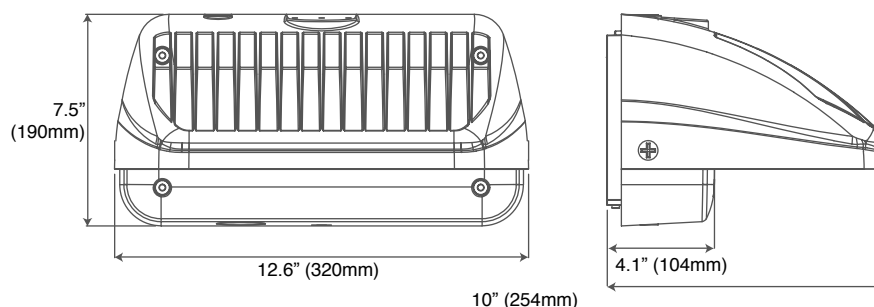
Back Junction Box Accessory

WPL2-JBX-THW

WPL2	JBX-THW
WPL2-60	**Junction Box**
WPL2-80	Wall Pack Back Junction Box

Junction Box Dimensions

4.6" (117mm)   2" (50mm)   5" (127mm)
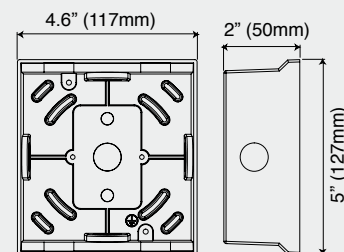
** Ordered separately as an accessory

DLC QPL Data

DLC QPL Model No.	Product ID.	Technical Req.	Classification	Primary Use
WPL2-60/40K XE G2	PLAQXLEP6X47	4.3	Premium	Outdoor Full-Cutoff Wall-Mounted Area Luminaires
WPL2-60/50K XE G2	PLGNKQS266RT	4.3	Premium	Outdoor Full-Cutoff Wall-Mounted Area Luminaires
WPL2-80/40K XE G2	PLQOY81MWTCN	4.3	Premium	Outdoor Full-Cutoff Wall-Mounted Area Luminaires
WPL2-80/50K XE G2	PLKE1OLCASOM	4.3	Premium	Outdoor Full-Cutoff Wall-Mounted Area Luminaires

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
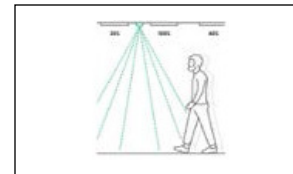- Per fixture Daylight Control
- Per zone Daylight Control
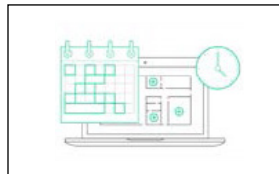
Scheduling	High and Low End Trim
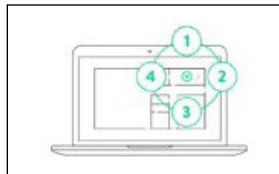
Scenes	Occupancy Sensing

- 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
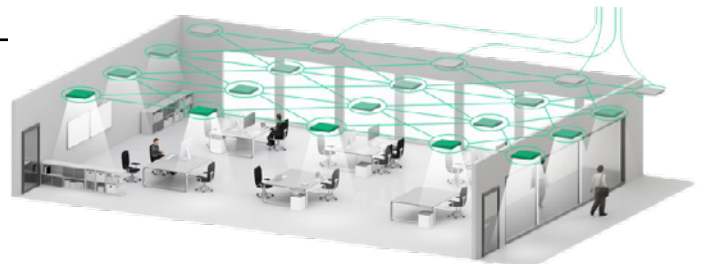
Scalability to thousands of devices

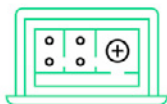The most advanced encryption standards as well as the cutting-edge device authentication

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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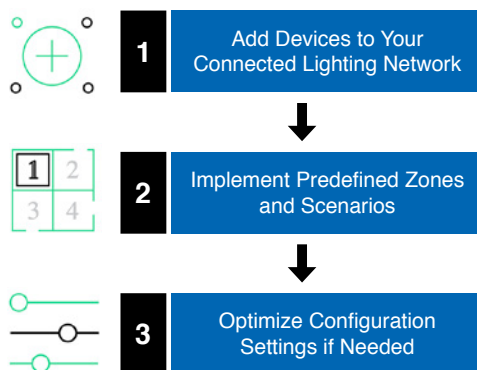
Planning

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
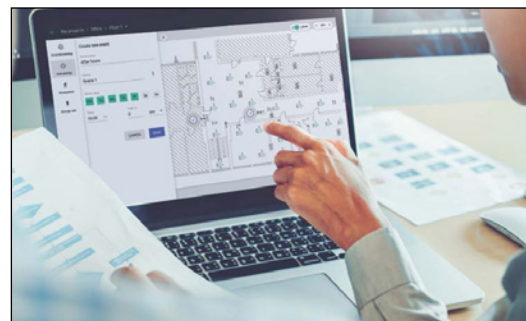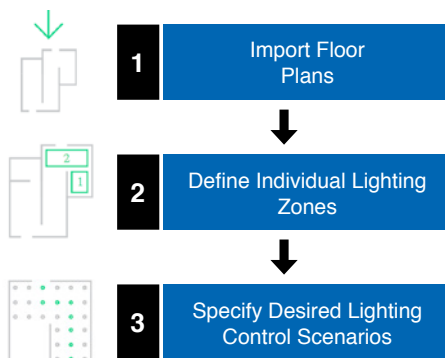
Implementation

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

Wireless Bluetooth Occupancy Sensor
Model: -OSDL/BT

aleoBlue Gateway
Model: SGW-101

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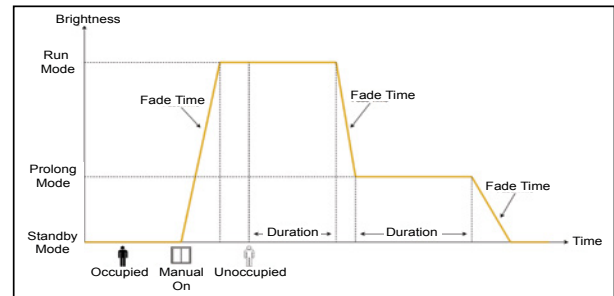
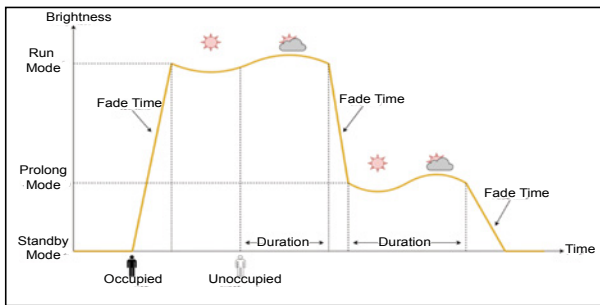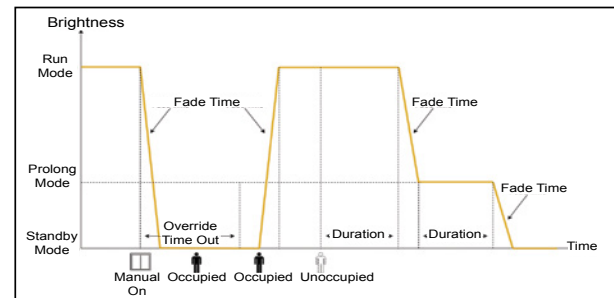| Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

Occupancy Scenario
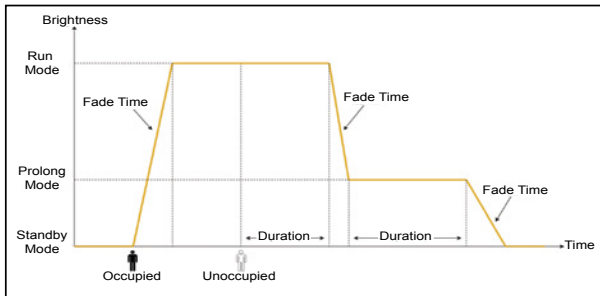
Vacancy Scenario

Occupancy Scenario - with Daylight Harvesting

Occupancy Scenario with Manual Override

Occupancy Detection Pattern

HBL: High Bay Lens-Top View at 8 ft (2.4m)

Corresponding to the Arrow on Gasketed Lens

HBL - Side View

LBL: Low Bay Lens-Top View at 8 ft (2.4m)

LBL - Side View

Aleo Lighting, Inc.
www.aleolighting.com
10988 Bloomfield Ave.
Santa Fe Springs, CA 90670
Ph: 877-358-8825

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