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Project	
Notes	
Type	Date
Cat. No.	

WLC/BT-PPR-15A-JBX aleoBlue Wireless Bluetooth Lighting Control Power Pack Relay

DESCRIPTION

aleoBlue Wireless Bluetooth Lighting Control Power Pack Relay, 120-277V input, 15A max. load.

APPLICATIONS

Indoor: retail, education, hospitality, corporate, warehouse, self storage.

Performance Summary

Operation Voltage	120/277 VAC
Load	15A @ 120/277 VAC (Ballast) 15A @ 120 VAC (Incandescent)
Motor	1 HP @ 120/240 VAC
Frequency	50/60 Hz
Max Bluetooth Range*	49 ~ 65ft (15 ~ 20m)
Operating Temp	32° to 131°F (0° to 55°C)
Storage Temp	14° to 160°F (-10° to 60°C)
Relative Humidity	95% non-condensing
Dimensions	1.63” x 3.19” x 5.13”

*Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

WLC/BT-PPR-15A-JBX

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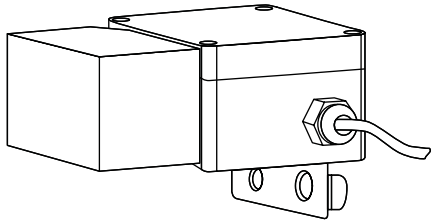
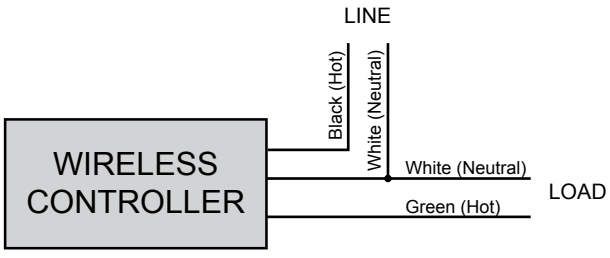
Product Dimensions

1.63” x 3.19” x 5.13”



Wiring Diagram



Ordering Information

Example: WLC/BT-PPR-15A-JBX

WLC/BT-PPR-15A-JBX

Model No.

WLC/BT-PPR-15A-JBX
aleoBlue Wireless Bluetooth Lighting Control Power Pack Relay, 120-277V input, 15A max. load.

Specifications and Dimensions subject to change without notice.

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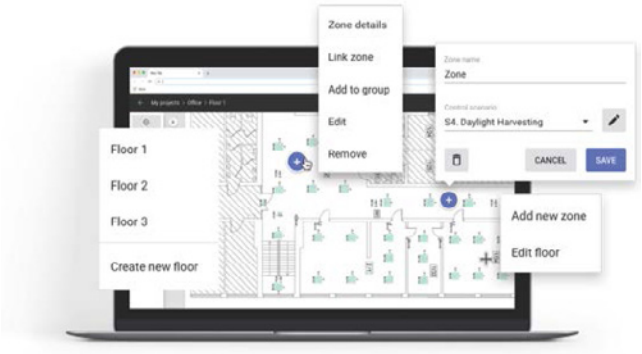
AleoBlue Wireless Bluetooth Controls

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.

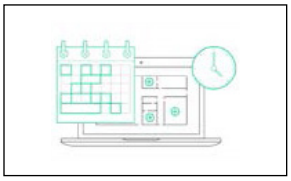
Features and Benefits

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

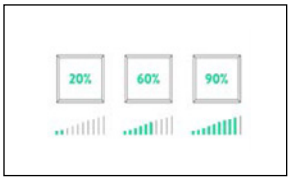


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

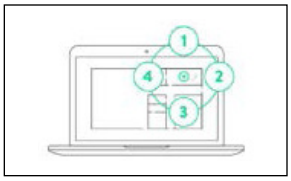
Scheduling



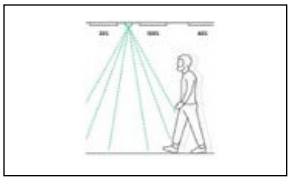
High and Low End Trim



Scenes



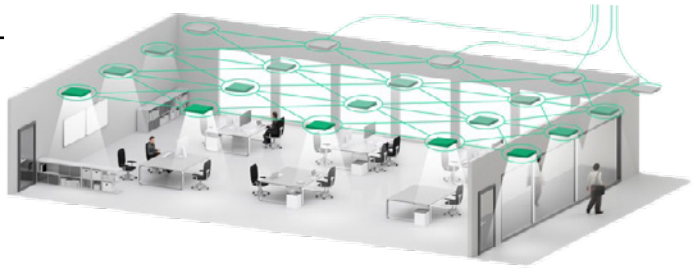
Occupancy Sensing



- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control 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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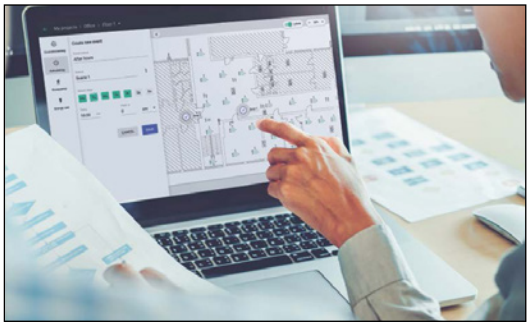
Planning

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.

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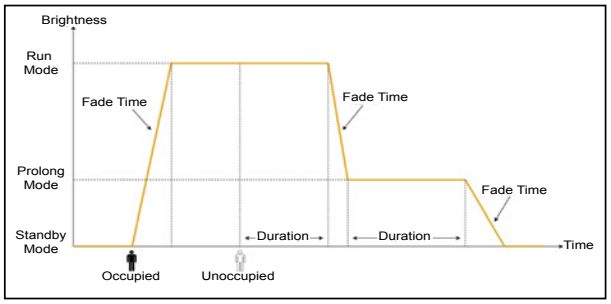
Lighting Control Scenarios

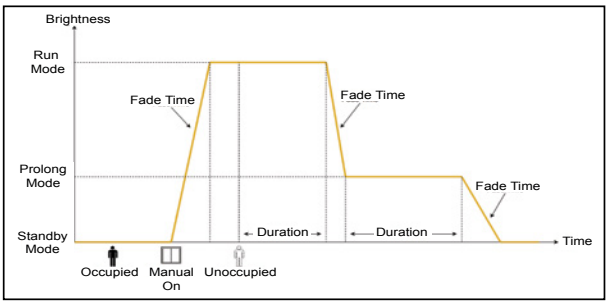
Multiple lighting control scenarios are available once the Bluetooth mesh Node is provisioned. At each scenario, duration, fade time and target brightness can be configured at any time with the iOS app.

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

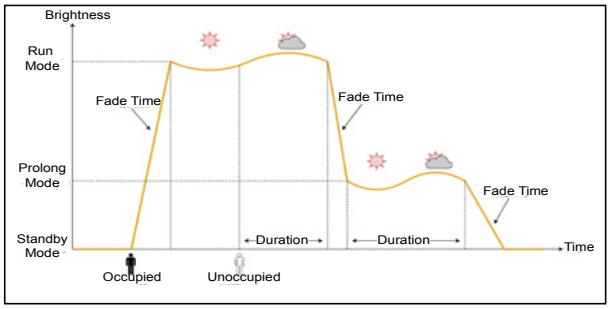
Occupancy Scenario



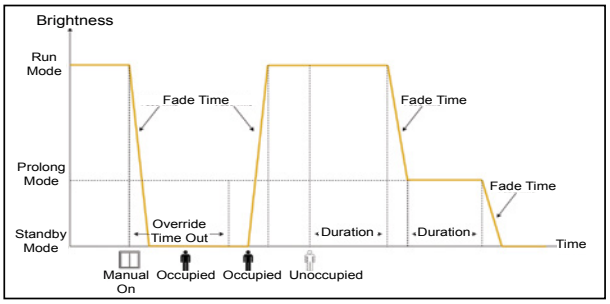
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



Occupancy Scenario with Manual Override



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