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## WM-AC-DMSR/BT Wireless AleoBlue, AC powered, Wall-Box Dimmer Single-Rocker Switch

### DESCRIPTION

WM-AC-DMSR/BT Bluetooth® NLC dimmers provide automatic lighting control for a variety of indoor applications. They can replace any standard single-pole wall switch. It allows you to control your lights wirelessly using Bluetooth mesh networking. This technology allows each switch to communicate with others, effectively extending the control range beyond that of a single device.

### APPLICATIONS

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



### Specification Features



#### Overview

- Bluetooth® NLC
- Manual on/off (Wireless)
- Continuous Dimming (Wireless)
- LED status indicator light
- Mounts in any standard wall box
- Color: white

#### Sensor Operation

The Dimmer connects to a Bluetooth® NLC network to control all of the lights in a specific zone. End Users can program dim levels and set scheduling through the AleoBlue iOS app. The unit also functions as a manual dimmer without control wires to the luminaires.

#### Certification

UL Listed. All components have UL certification.

#### Warranty

5-year Limited Warranty. See warranty documentation for more information.

### WM-AC-DMSR/BT G2

Wall Mount

### Ordering Information

Example: WM-AC-DMSR/BT G2

WM	AC	DMSR/BT
<b>Series</b> WM Wall Mount	<b>Power Source</b> AC AC Powered	<b>Controls</b> DMSR/BT Dimmer Single-Rocker Switch, Bluetooth

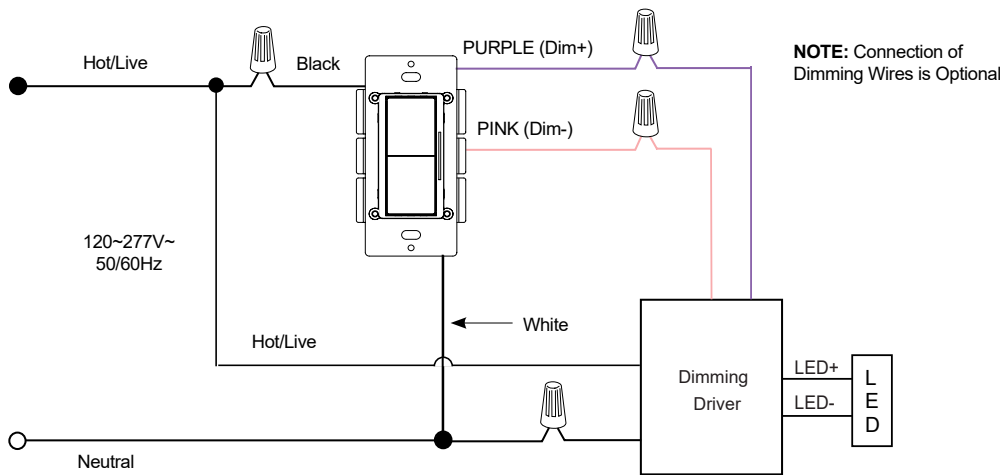
Specifications and Dimensions subject to change without notice.

Performance Summary

<b>Sensor Type</b>	Dimmer Wall Switch	<b>IP Rating</b>	IP20
<b>Input Voltage</b>	120-277 VAC, 50/60Hz	<b>Dimming Range</b>	0.1%-100%
<b>Output</b>	0-10V Signal (20mA)	<b>Mounting</b>	Standard wall box
<b>Max Bluetooth® Range*</b>	90ft (30m)	<b>Color</b>	White
<b>Operating Temperature</b>	-4°F to 131°F (-20°C to 5°C)	<b>Warranty</b>	5 years

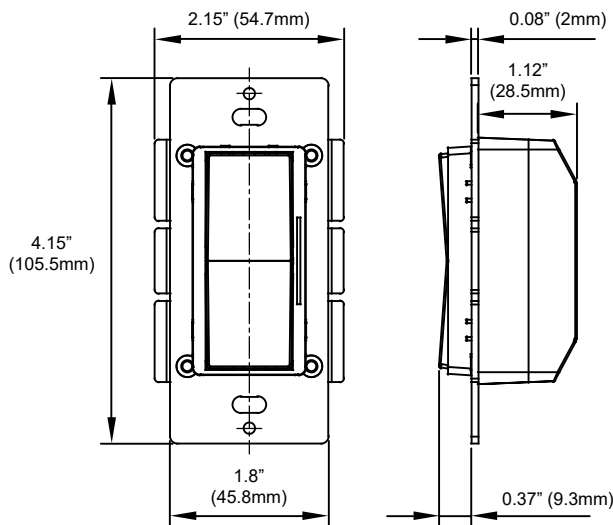
\*Bluetooth® Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Wiring Diagram

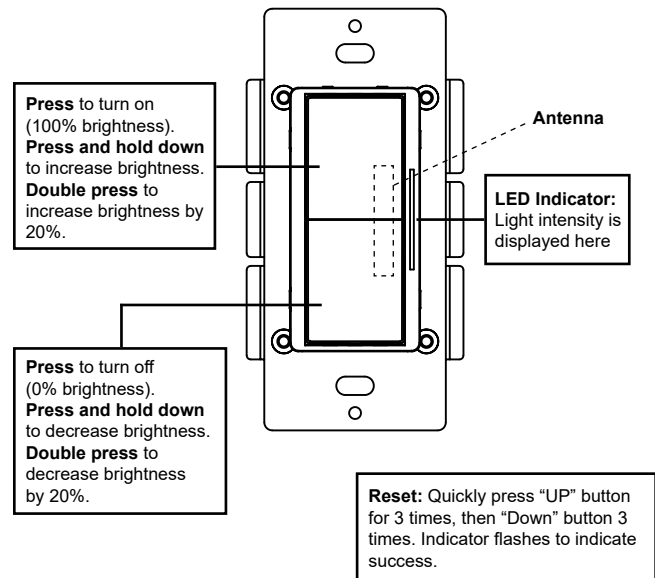


Dimming wire connection is optional. If the wall box dimmer and lighting control nodes/sensors are on the AleoBlue mesh network, dimming and On/Off switching can be achieved through wireless Bluetooth® communication

Dimensions



Wireless Manual Control



Specifications and Dimensions subject to change without notice.



## AleoBlue Wireless Bluetooth® Controls

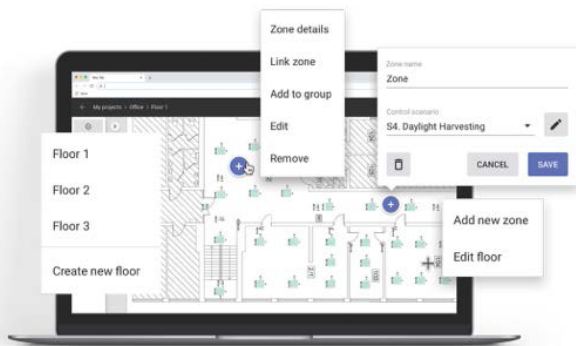


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth® NLC lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

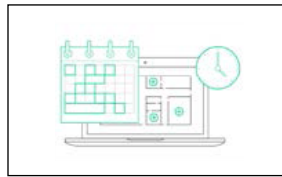
### Features and Benefits

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

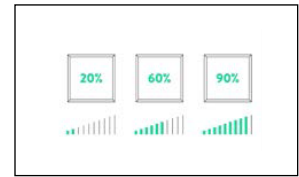


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

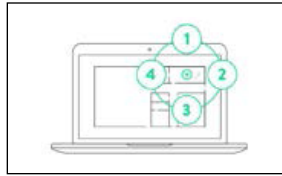
#### Scheduling



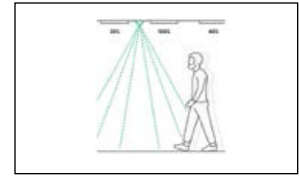
#### High and Low End Trim



#### 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® NLC Technology Advantages



The fastest low-power communication



Scalability to thousands of devices



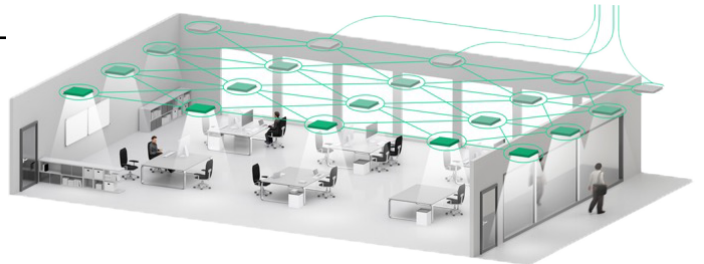
The most advanced encryption standards as well as the cutting-edge device authentication

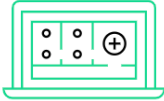


No single point of failure (no central device)



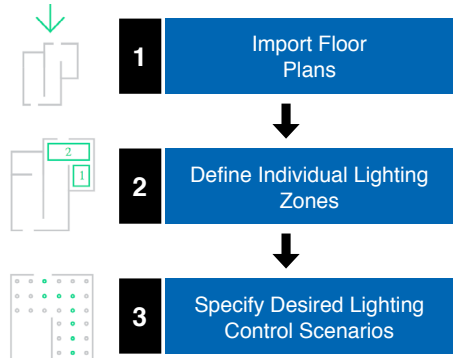
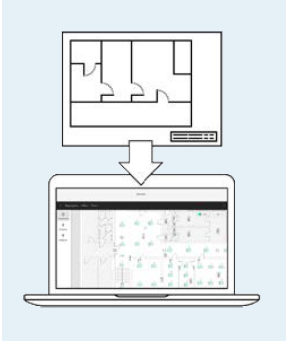
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth® 4.0 and Bluetooth® 5)





**Planning**

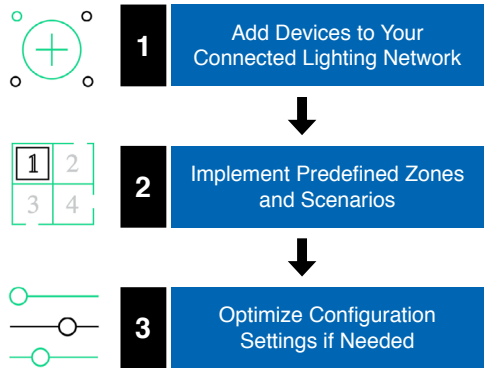
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



**Implementation**

Adding lighting devices to the Bluetooth® NLC network on-site with the use of an iOS app.

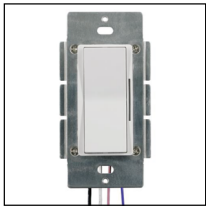
Customization and calibration of lighting control parameters during and after the commissioning process. Defining scenes for specific working activities.



**Provisioning / Configurations**

The Bluetooth® NLC Node is in the Unprovisioned Mode until it is provisioned by a “Provisioner”, which typically is a smart phone with a Bluetooth® NLC compatible app.

**Ordering Information**



**Wireless Aleo Blue, AC powered,  
Wall-Box Dimmer Single-Rocker Switch**  
Model: WM-AC-DMSR/BT G2

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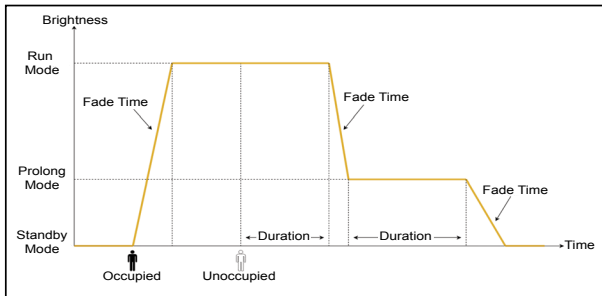
## Lighting Control Scenarios

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

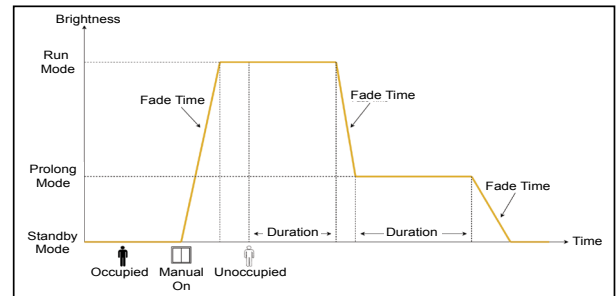


Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight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

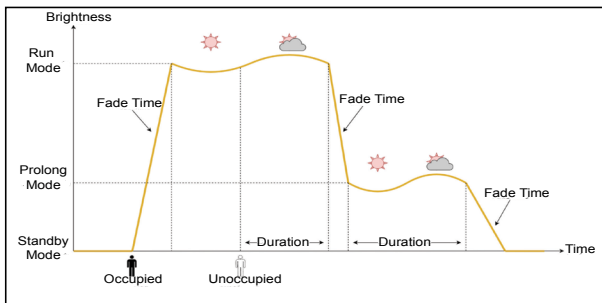
### Occupancy Scenario



### Vacancy Scenario



### Occupancy Scenario - with Daylight Harvesting



### Occupancy Scenario with Manual Override

