aleoblue™

Project	
Notes	
Type	Date
Cat. No.	

WLC/BT-RTC-101 — AleoBlue Wireless Bluetooth Lighting Control Real Time Clock

DESCRIPTION

The AleoBlue™ Line Voltage Real Time Clock WLC/BT-RTC-101 provides reliable scheduling when using with AleoBlue™ Bluetooth Mesh 1.0.1 (SIG) network. WLC/BT-RTC-101 comes with back-up battery to provide support incase of power out-age, this back-up battery* is maintained by the integrated charge Keeper, and can last for approximately 24 hours. The device is suitable for a variety of indoor and out-door applications. It is rated for use in temper-atures ranging from -30° to 70°C and relative humidity from 90 to 95% non-condensing.

*Charge for 24 hours before use
*Enable UPS switch before use.

APPLICATIONS

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

WLC/BT-RTC-101

AleoBlue Wireless Bluetooth Lighting Control Real Time Clock

Specification Features

Overview
• Line Voltage Input 120 VAC
• Time Keeper
• Back-up Battery* approximately 24 hours
• Operating Temp.: -30°C to 70°C, 90-95% Non-condensing
• Applicable for Indoor and Outdoor

Certification
UL Listed. All components have UL certification.

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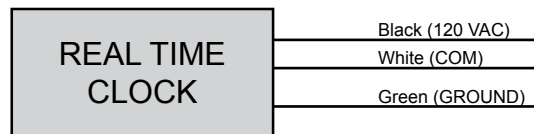5-year Limited Warranty. See warranty documentation for more information.

Product Dimensions

9" x 6" x 3"

Ordering Information

Example: WLC/BT-RTC-101

WLC/BT	RTC-101
Type	**Series**
WLC/BT	**RTC-101**
Wireless Lighting Controls Node - Bluetooth Mesh	Real Time Clock

Wiring Diagram

REAL TIME CLOCK	Black (120 VAC)
	White (COM)
	Green (GROUND)

Specifications and Dimensions subject to change without notice.

Form WLC/BT-RTC-101-SS / Rev. 01   Aleo Lighting, Inc. | www.aleolighting.com | Ph: 877-358-8825

aleoblue™
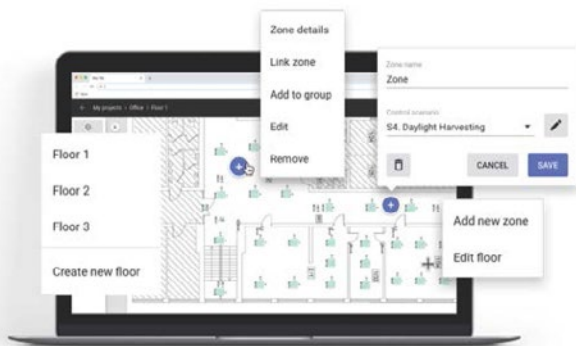
AleoBlue Wireless Bluetooth Controls

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.
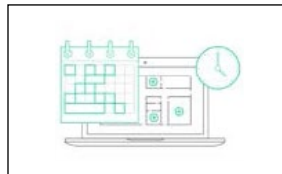
DLC NLC Qualified.

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

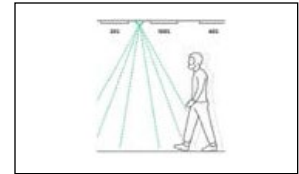- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertize required
- Optimized for commercial spaces of any size
- No additional wiring or central control box
- Customizable lighting control parameters
- Future proof with Software Updates
- Multiple Zone Configurable
- Built-In Scenarios + Customization

Bluetooth Mesh Technology Advantages

The fastest low-power communication
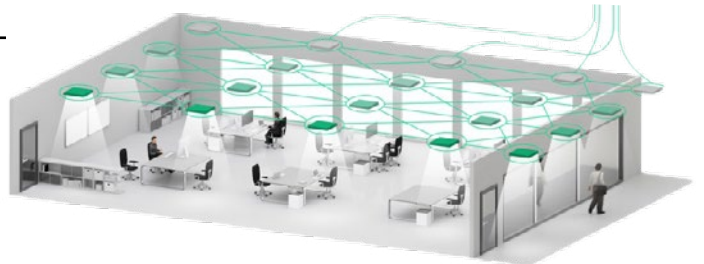
Scalability to thousands of devices

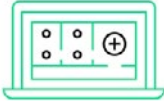The most advanced encryption standards as well as the cutting-edge device authentication

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)

Specifications and Dimensions subject to change without notice.

Form WLC/BT-RTC-101-SS / Rev. 01   **Aleo Lighting, Inc.** l www.aleolighting.com l Ph: 877-358-8825
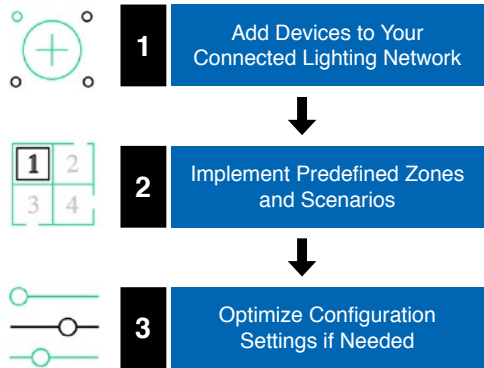
Planning

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
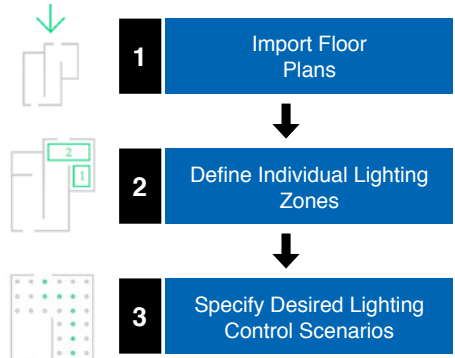
Implementation

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 Wireless Bluetooth Lighting Control Real Time Clock
Model: WLC/BT-RTC-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.
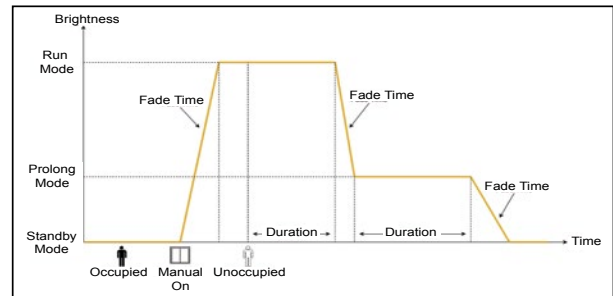
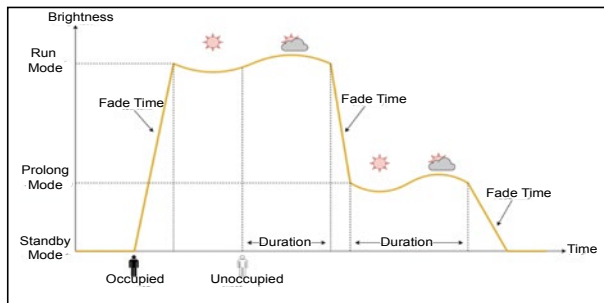| Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight Harvesting	On / Off / Scenes	Auto Off	Enabled

Occupancy Scenario
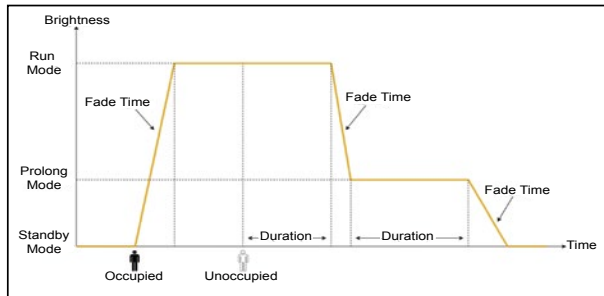
Vacancy Scenario

Occupancy Scenario - with Daylight Harvesting

Occupancy Scenario with Manual Override

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

Form WLC/BT-RTC-101-SS / Rev. 01