Project		Catalog #		Type	
Prepared by		Notes		Date	

Several small and large button configurations available.

Suitable for use with standard decorator wall plates (not included)
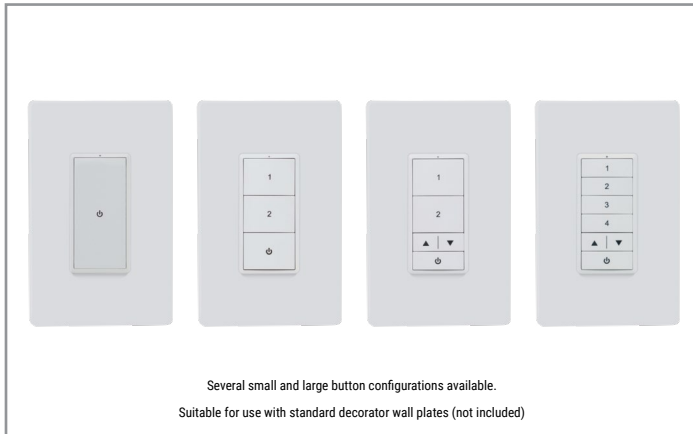
WaveLinx

PRO WWB-Series
Battery Powered Wallstation

Multi-scene dimming battery powered wallstation which provides customized light level for each area

Typical Applications
Office • Education • Healthcare • Hospitality • Retail Industrial • Manufacturing

Interactive Menu

Product Certification

FC
Part 15/ICEC-003

- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC requirements
- Meets latest CEC Title 24 requirements

Product Features

| IEEE 802.15.4	Device Security	Customer Security	Manual Dimmer	Manually Switched ON/OFF	Battery Powered

Top Product Features

- Standard settings, multi-scene selection, raise/lower, on/off toggle for an area
- Suitable for standard single or multi-gang NEMA wall box
- Utilizes two (2) CR123A alkaline batteries for simple new or retrofit installations
- Clean, elegant and simple control
- Configurable through the WaveLinx Mobile Application

Dimensional Details

1.8" [45mm]

1.3" [32mm]

4.2" [107mm]

4.2" [107mm]

1.5" [36mm]

Mounting Height

58" / 1470mm

48" / 1210mm
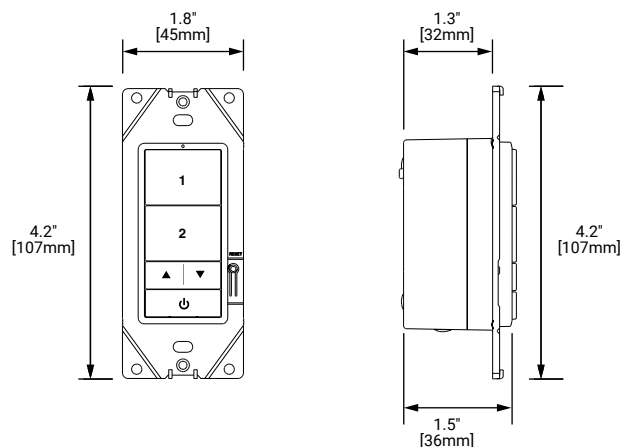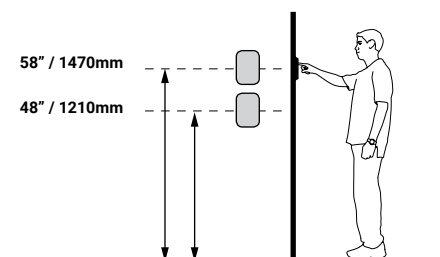
additional product diagrams

COOPER
Lighting Solutions

Order Information

All WaveLinx PRO control devices require at least one WaveLinx Area Controller for communications. Please ensure that you order a WaveLinx Area Controller (CATNO: WAC2-POE) for the product to work or connect the wallstations to an existing WaveLinx Area Controller.

Important Note: The WaveLinx PRO WW-Series wallstation only works with the 2nd generation WaveLinx Area Controller (WAC2-POE). It does not work with the 1st generation WaveLinx Area Controller (WAC-POE).

Catalog Number

Standard Wallstation Configurations

Catalog Number	Description
WWB1-W	WaveLinx PRO Battery Powered Wallstation, 1 Button, White
WWB3-W	WaveLinx PRO Battery Powered Wallstation, 3 Button, White
WWB3-RL-W	WaveLinx PRO Battery Powered Wallstation, 3 Button Raise / Lower, White
WWB5-RL-W	WaveLinx PRO Battery Powered Wallstation, 5 Button Raise / Lower, White
Notes WaveLinx PRO application required to customize programming for each button.	**Notes** Suitable for use with standard decorator wall plates (not included). Complete wallstation - buttons are not field replaceable.

### Custom Engraved Wallstation Configurations

| Catalog Number	Description
WWB1-W-ENGRV	WaveLinx PRO Battery Powered Wallstation, 1 Button, White, Custom Engraved
WWB3-W-ENGRV	WaveLinx PRO Battery Powered Wallstation, 3 Button, White, Custom Engraved
WWB3-RL-W-ENGRV	WaveLinx PRO Battery Powered Wallstation, 3 Button Raise / Lower, White, Custom Engraved
WWB5-RL-W-ENGRV	WaveLinx PRO Battery Powered Wallstation, 5 Button Raise / Lower, White, Custom Engraved
Notes WaveLinx PRO application required to customize programming for each button.	**Notes** Suitable for use with standard decorator wall plates (not included). For custom engraving use the configurator tool within the FlashPro Program (CUST-ENGRV). Complete wallstation - buttons are not field replaceable.

Additional Accessories

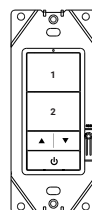Wallplates are not included with Wallstations. Please order separately.

Catalog Number

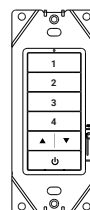| Catalog Number	Description
PJS26W	1 Gang Screwless Faceplate, White
PJS262W	2 Gang Screwless Faceplate, White
PJS263W	3 Gang Screwless Faceplate, White
PJS264W	4 Gang Screwless Faceplate, White
PJS265W	5 Gang Screwless Faceplate, White
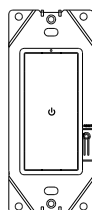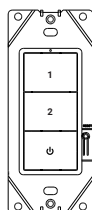
WWB1-W   WWB3-W   WWB3-RL-W   WWB5-RL-W

Standard button engraving for each wallstation

Default engraving & light levels

Button 1	Scene 3 = 50%
Button 2	Scene 1 = 100%
Button 3	Scene 2 = 70%
Button 4	Scene 4 = 30%
Raise press*	Increase 1% (per press)
hold*	Increase 15% (per sec)
Lower press*	Decrease 1% (per press)
hold*	Decrease 15% (per sec)
Power*	Toggle Scene 3 (50%) & Scene 0 (Off)
	* - affects all zones in area

Raise / Lower / OFF buttons

Raise Area light level   ▲ ▼   Lowers Area light level

⏻

Turns all lights in area ON / OFF
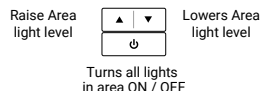
Button programming options via WaveLinx Pro Mobile Application

Scene Selection
Zone Level
Raise Level
Lower Level
Toggle Scene or Zone Level
No Action

Product Specifications

The PRO WWB-Series Wallstation is an integral part of the WaveLinx PRO connected lighting system and is available in several small and large button configurations in white color. These wallstations are battery powered and provide wireless control of the lighting in each area.

The PRO WWB-Series Wallstation mounts to a low-voltage wall box (single or multi-gang) and is suitable for a standard or decorator wallplate (not included). Each wallstation is fully configurable to provide local and multi-level control in each area. Each button is configured to control a lighting scene for an area and can be modified using the WaveLinx Mobile Application.

The PRO WWB-Series Wallstation is a multi-scene, single area dimming wallstation which provides customized light level for each area. The wallstation provides default operations, but is fully configurable from the WaveLinx Mobile Application. Two wallstation configurations also include scene raise / lower buttons to further adjust the light levels.

Key Features
- Easy installation and flexibility:
  - Scene selection
  - Zone control
  - Raise / Lower
  - Scene / Zone Toggle
  - ON / OFF
- Battery powered for simple new or retrofit installations
- Clean, elegant, and simple way to control lighting on your project
- Settings are programmable through the WaveLinx Mobile Application, no physical adjustments necessary

Mechanical
Size: 4.2"H x 1.8"W x 1.5"D (107mm x 45mm x 39mm)
Environment:
- **Operating temperature:** 32°F to 113°F (0°C to 45°C)
- **Storage temperature:** 32°F to 167°F (0°C to 75°C)
- **Relative humidity operating:** 5% to 95% non-condensing
- For indoor use only

Mounting: Standard single or multi-gang NEMA wall box, and compatible with a decorator wall plate (not included)
Color: White

Electrical
Power supply type: Utilizes two (2) CR123A alkaline batteries (included)

Hardware Specifications
Status Indicators:
- Single indicator LED
- LED functionality (active for 3 seconds after action)
  - Indication of wireless network join request
  - Indication of wireless network connection
  - Scene indication of operations

Button Configuration:
- 1 Button
- 3 Button
- 3 Button with Raise / Lower
- 5 Button with Raise / Lower

Software Specifications
- Each button programmable to trigger or toggle Scene or Zone
- Default values when joined to an area via WaveLinx Mobile application
- Models available with dominant button 50% light level
- Fade rates and scene transitions are programmable

Wireless Specifications
Radio: 2.4GHz
Standard: IEEE 802.15.4
Transmitter Power: + 7dBm
Configuration type: Router, End Point
Range: 100ft (30m) LOS through 2 interior walls of standard construction
Note: Use of metallic wall plates is not recommended as they may interfere with the wireless signals

System Performance
Maximum number of Devices: 200 per Wireless Area Controller (best practice 150 devices)

Standards/Ratings
- FCC Part 15, Subpart B & C
- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC requirements
- Meets latest CEC Title 24 requirements
- NEMA WD-7 and NEMA 4 compliant
- CA Title 20 and Prop 65 compliant
- RoHS

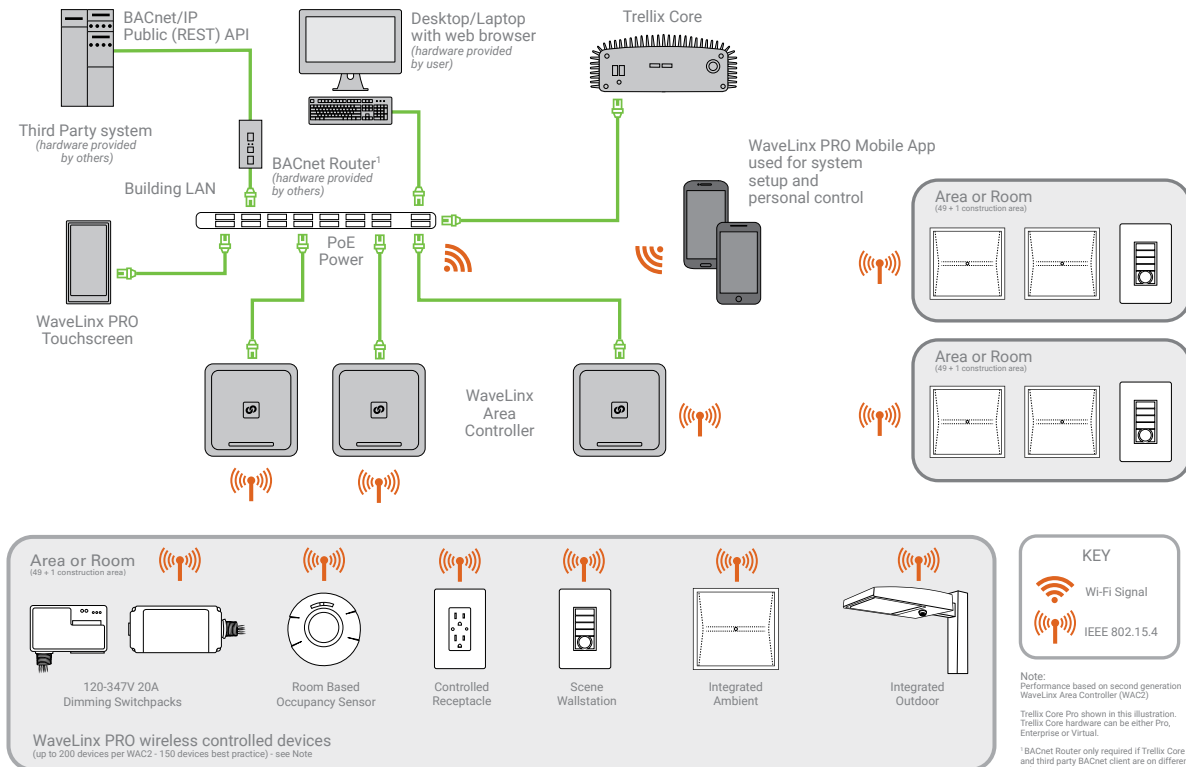### Warranty
Five year warranty standard

Note: Use of ammonia based or VOC cleaners on this device must be avoided. Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
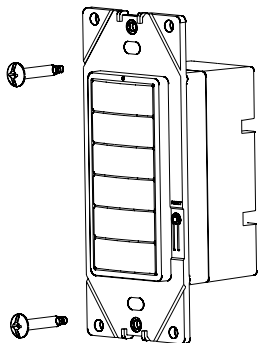
Download the WaveLinx Mobile Application from either the Google Play or Apple Store®

System Architecture

This diagram shows the main components of the WaveLinx PRO connected lighting (WCL) system. The WCL system communicates using wireless mesh technology based on the 802.15.4 standard. A POE LAN connection for each Wireless Area Controller (WAC) is required for power and data access to the building wireless network. System setup is achieved through a simple mobile application via wireless communication to the system.

BACnet/IP Public (REST) API

Desktop/Laptop with web browser *(hardware provided by user)*

Trellix Core

Third Party system *(hardware provided by others)*

Building LAN

BACnet Router[1] *(hardware provided by others)*

WaveLinx PRO Mobile App used for system setup and personal control

Area or Room *(49 + 1 construction area)*

PoE Power

WaveLinx PRO Touchscreen

WaveLinx Area Controller

Area or Room *(49 + 1 construction area)*

Area or Room *(49 + 1 construction area)*

120-347V 20A Dimming Switchpacks

Room Based Occupancy Sensor

Controlled Receptacle

Scene Wallstation

Integrated Ambient

Integrated Outdoor

WaveLinx PRO wireless controlled devices
(up to 200 devices per WAC2 - 150 devices best practice) - see Note

KEY

Wi-Fi Signal

IEEE 802.15.4

Note:
Performance based on second generation WaveLinx Area Controller (WAC2)

Trellix Core Pro shown in this illustration. Trellix Core hardware can be either Pro, Enterprise or Virtual.

[1] BACnet Router only required if Trellix Core and third party BACnet client are on different subnets.
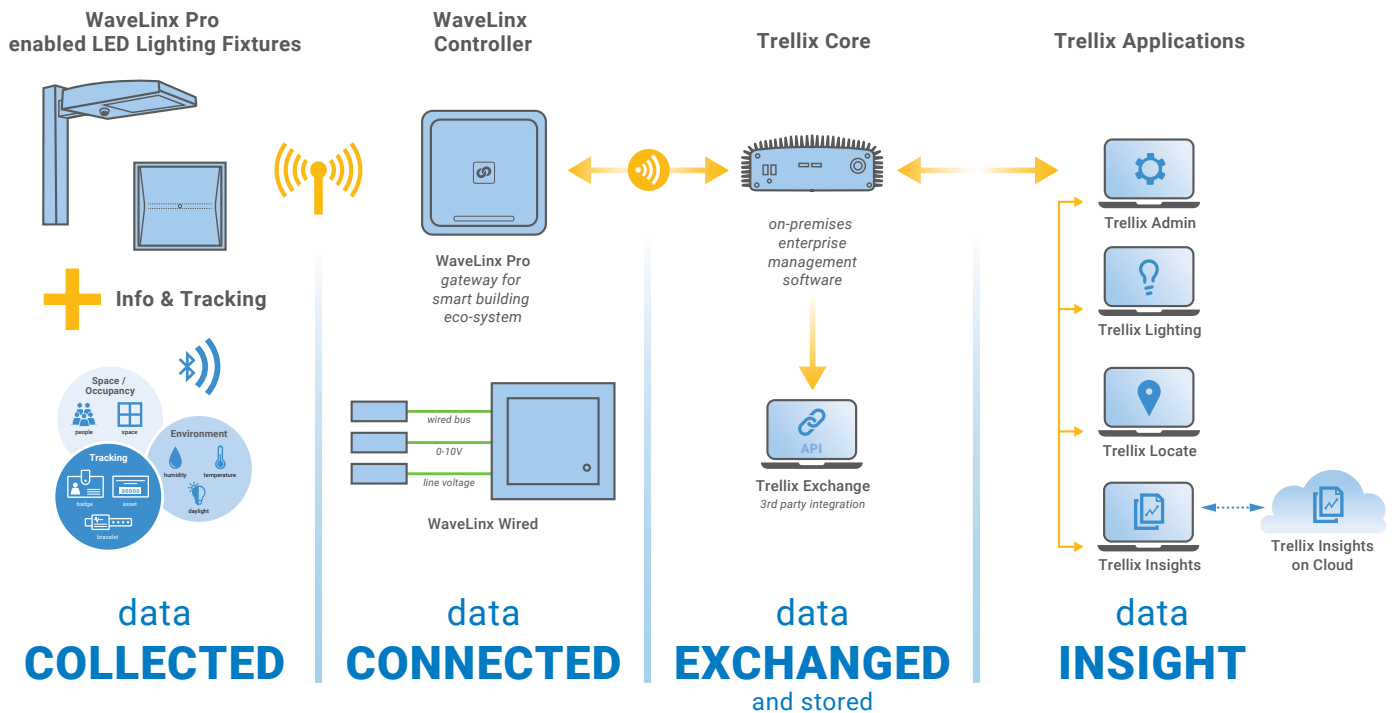
Installation

Wall plate not included

Better Data. Better Decisions.

Trellix combined with our WaveLinx PRO connected lighting system is a distributed network of LED lighting fixtures with integrated sensing and beacon technology that captures real-time data; making your facility smarter so you can make smarter decisions.

Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems in a commercial building to deliver actionable insights through the aggregation of valuable data.

WaveLinx Pro enabled LED Lighting Fixtures

WaveLinx Controller

Trellix Core

Trellix Applications

Info & Tracking

Space / Occupancy
people   space
Tracking
badge   asset
bracelet
Environment
humidity   temperature
daylight

WaveLinx Pro
gateway for smart building eco-system

wired bus
0-10V
line voltage

WaveLinx Wired

on-premises enterprise management software

API

Trellix Exchange
3rd party integration

Trellix Admin

Trellix Lighting

Trellix Locate

Trellix Insights

Trellix Insights on Cloud

data
COLLECTED

data
CONNECTED

data
EXCHANGED
and stored

data
INSIGHT

Control Systems
- Trellix
- WaveLinx PRO wireless

COOPER
Lighting Solutions

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Specifications and dimensions
subject to change without notice.