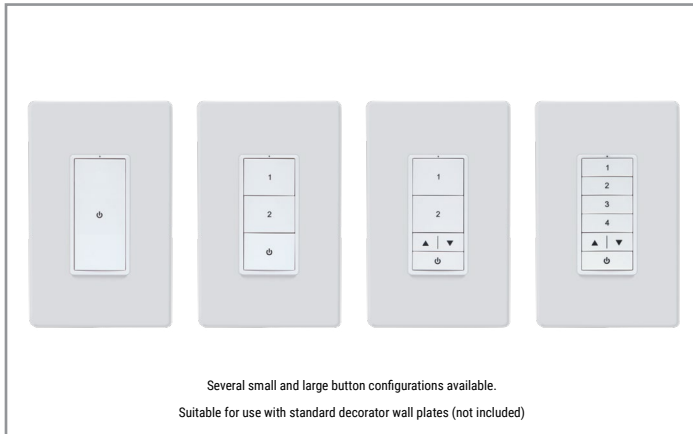| Project		Catalog #		Type	
Prepared by		Notes		Date	

WaveLinx

PRO WW-Series Wallstation

A wireless 120/277VAC powered wallstation with configurable button options including toggle, on/off, raise lower and presets scenes

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

Several small and large button configurations available.

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

🖈 Interactive Menu

- Order Information page 2
- Button Options page 2
- Additional Resources page 3
- Product Warranty

Product Certification

UL CERTIFIED   FC Part 15/ICEC-003

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

Product Features

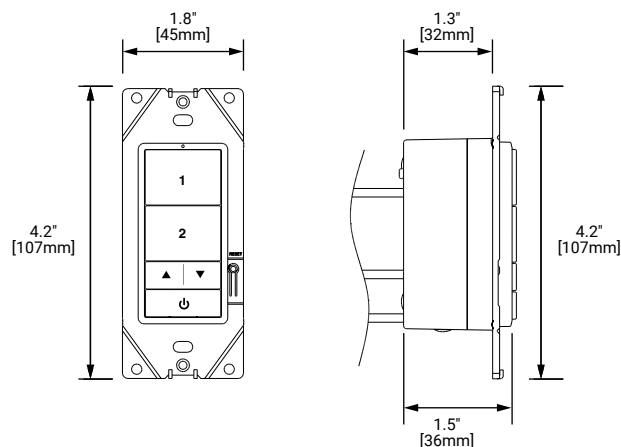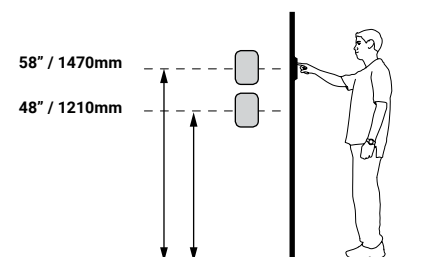| IEEE 802.15.4	Device Security	Customer Security	Manual Dimmer	Manually Switched ON/OFF

Top Product Features

- **Configurable button options** – Power toggle (on/off), raise/lower, multi-scene selection
- **Single LED Indicator** – Indicates the status of the wallstation
- **120/277VAC powered (neutral required)** – No battery replacement required
- **Button actions configurable via software** – Customize the actions of each button using WaveLinx Mobile Application or WaveLinx Core Lighting App

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**

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Order Information

The WaveLinx PRO WW-Series Wallstation is an accessory to the WaveLinx system and requires a WaveLinx Area Controller (WAC) for full functionality. The WaveLinx PRO WW-Series Wallstation is used to provide local and multi-level control in spaces and can be mapped to multiple zones in an area to create customizable light levels from simple control to architectural.

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) 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
WW1-W	WaveLinx PRO Wallstation, 1 Button, White
WW3-W	WaveLinx PRO Wallstation, 3 Button, White
WW3-RL-W	WaveLinx PRO Wallstation, 3 Button Raise / Lower, White
WW5-RL-W	WaveLinx PRO 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.

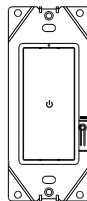### Custom Engraved Wallstation Configurations

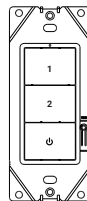| Catalog Number	Description
WW1-W-ENGRV	WaveLinx PRO Wallstation, 1 Button, White, Custom Engraved
WW3-W-ENGRV	WaveLinx PRO Wallstation, 3 Button, White, Custom Engraved
WW3-RL-W-ENGRV	WaveLinx PRO Wallstation, 3 Button Raise / Lower, White, Custom Engraved
WW5-RL-W-ENGRV	WaveLinx PRO Wallstation, 5 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

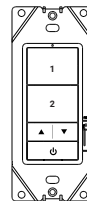Wallplates are not included with Wallstations. Please order separately.

Catalog Number

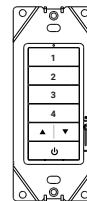| Catalog Number	Description
PJS26W	1 Gang Screwless Faceplate, White
PJS262W	2 Gang Screwless Faceplate, White
PJS263W	3 Gang Screwless Faceplate, White
PJS264W	4 Gang Screwless Faceplate, White
PJS265W	5 Gang Screwless Faceplate, White

WW1-W   WW3-W   WW3-RL-W   WW5-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

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Product Specifications

The PRO WW-Series Wallstation is a wireless, 120/277 VAC powered wallstation with configurable buttons including toggle, on/off, raise lower, and preset scenes. Each button's actions are configurable using the WaveLinx app.

The PRO WW Wallstation's elegant design enhances the aesthetic of a space while allowing occupants to adjust the room's brightness levels based on their sensitivity and needs.

Key Features
- Easy installation and flexibility:
  - Scene selection
  - Zone control
  - Raise / Lower
  - Scene / Zone Toggle
  - ON / OFF
- Suitable for standard single or multi-gang NEMA wall box (wallplate not included)
- Mains (120/277 VAC) powered for simple new or retrofit installations
- Clean, elegant, and simple way to control lighting on your project
- Settings are programmable through software, 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 decorator opening (wallplate not included)
Color: White

Electrical
Input power: 120-277VAC 50/60Hz (neutral wire required)
Input current: 5mA @120V and 5mA @277V

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
- cULus Listed - Energy Management Equipment (UL916)
- 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

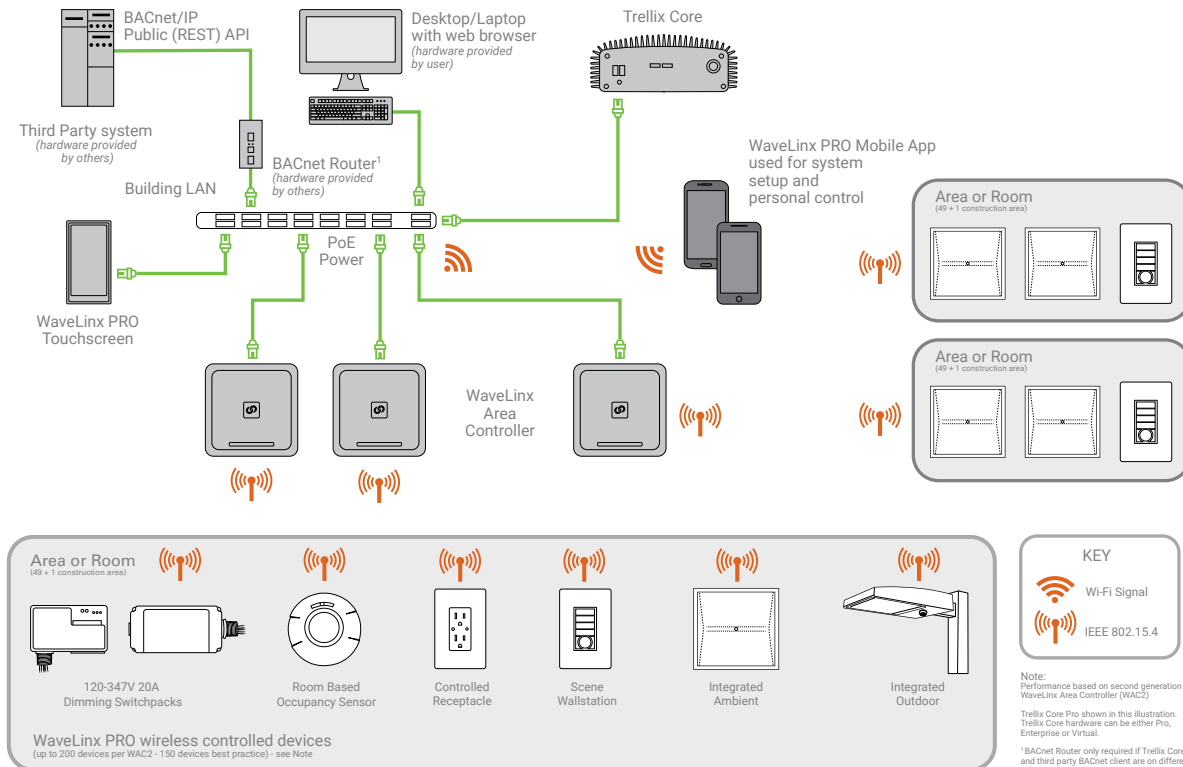### Warranty
Five year warranty standard

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.
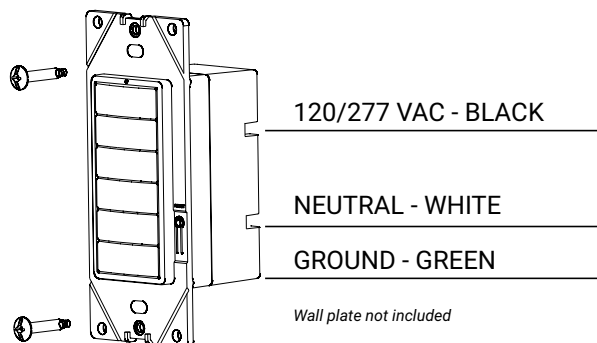
Download the WaveLinx Mobile Application from either the Google Play or Apple Store®

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

Third Party system
(hardware provided by others)

Building LAN

BACnet Router[1]
(hardware provided by others)

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

Trellix Core

WaveLinx PRO Mobile App used for system setup and personal control

PoE Power

WaveLinx PRO Touchscreen

WaveLinx Area Controller

Area or Room
(49 + 1 construction area)

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

120/277 VAC - BLACK
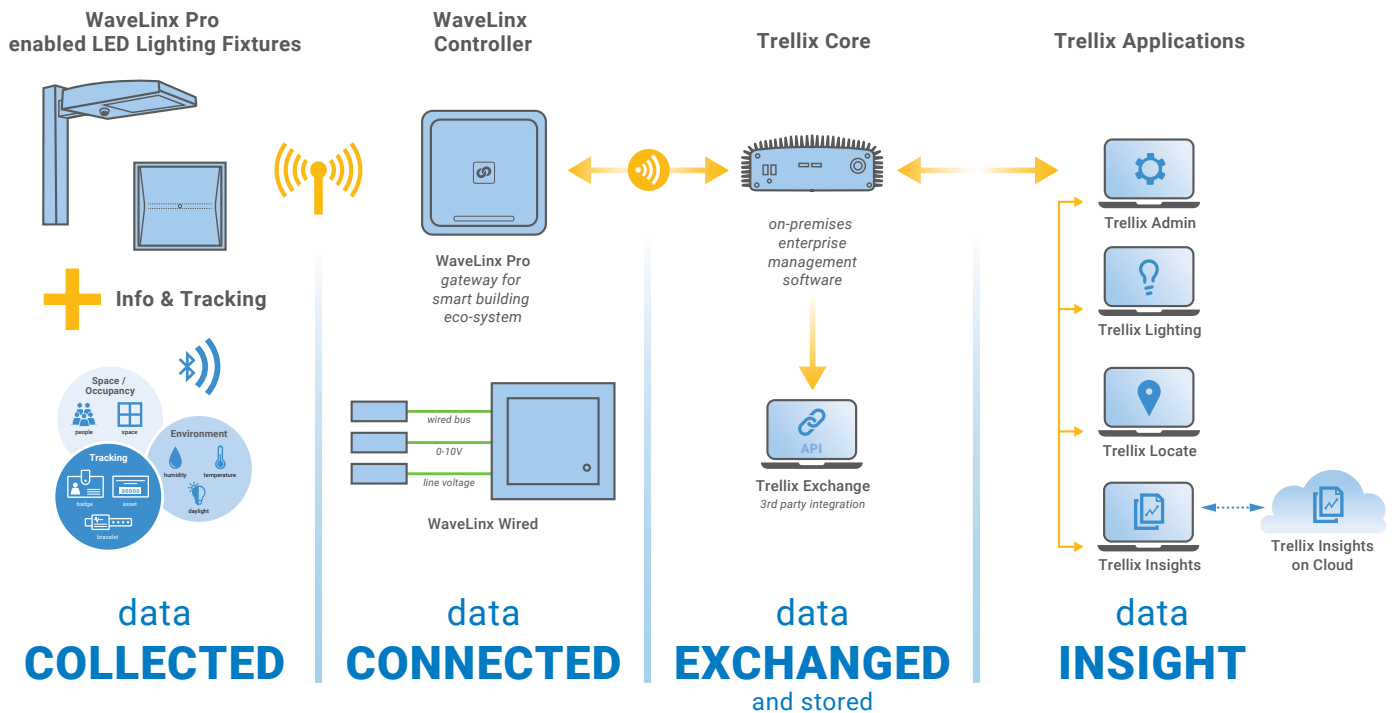
NEUTRAL - WHITE

GROUND - GREEN

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

Info & Tracking

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

WaveLinx Controller

WaveLinx Pro
gateway for smart building eco-system

wired bus
0-10V
line voltage

WaveLinx Wired

Trellix Core

on-premises enterprise management software

Trellix Exchange
3rd party integration

Trellix Applications

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

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