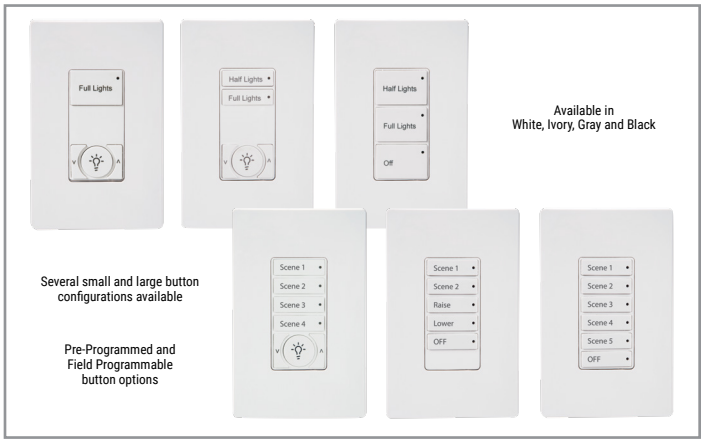
Project		Catalog #		Type	
Prepared by		Notes		Date	



WaveLinx Wireless

Line Voltage Wallstation

Multi-scene, single area dimming wallstation which provides customized light level for each area

Typical Applications

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

Interactive Menu

- Order Information pages 2 and 3
- Button Options pages 2 and 3
- Additional Resources page 4
- Connected Systems page 6
- Product Warranty

Product Certification

Part 15/ICEC-003

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

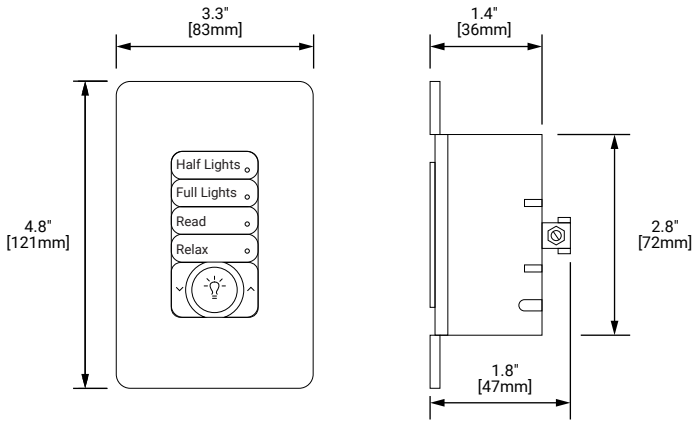
Product Features

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

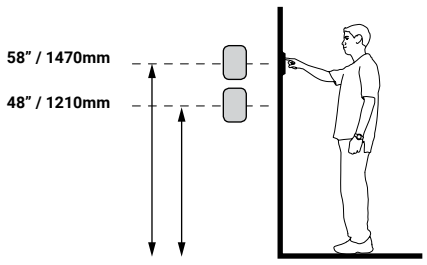
Top Product Features

- Multi-scene selection, raise/lower, toggle on/off for an area
- Suitable for standard single or multi-gang NEMA wall box
- Line voltage powered with no batteries to replace for simple new or retrofit installations
- Clean, elegant and simple control
- Configurable through software - no physical adjustments

Dimensional Details



Mounting Height



additional product diagrams

Order Information

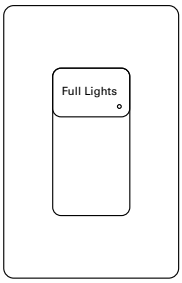
The WaveLinx wallstation is an accessory to the WaveLinx Connected Lighting (WCL) system and requires a Wireless Area Controller (WAC) for full functionality.

The 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.

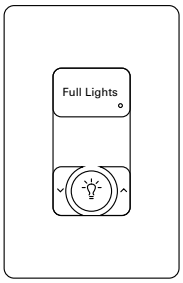
Catalog Number

Pre-Programmed Buttons

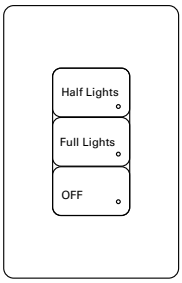
Catalog Number	Description	Color Options
W1L -*	WaveLinx, 1 Button large wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W1L-RL -*	WaveLinx, 1 Button large (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W2L -*	WaveLinx, 2 Button large wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W2L-RL -*	WaveLinx, 2 Button large (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W3L -*	WaveLinx, 3 Button large wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W2S -*	WaveLinx, 2 Button small wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W2S-RL -*	WaveLinx, 2 Button small (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W4S -*	WaveLinx, 4 Button small wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W4S-RL -*	WaveLinx, 4 Button small (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W5S -*	WaveLinx, 5 Button small wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W6S -*	WaveLinx, 6 Button small wallstation	*=W - White, V - Ivory, G - Gray, B - Black
Notes Field Programmable models are standard engraving options that require field programming through the WaveLinx Mobile Application.	**Notes** All WaveLinx Wireless Wallstations include standard engraving and color matching screwless single gang wallplates. For custom engraving use the configurator tool within the FlashPro tool.	**Notes**



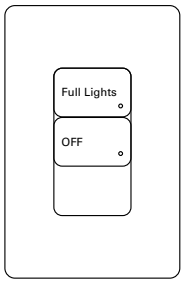
W1L-*
(* = W,V,G,B)



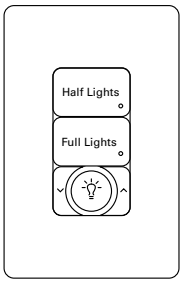
W1L-RL-*
(* = W,V,G,B)



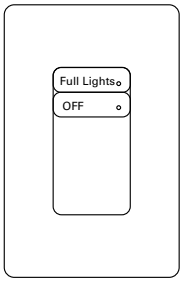
W3L-*
(* = W,V,G,B)



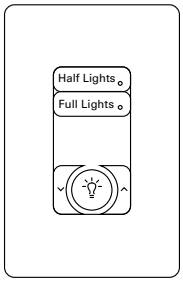
W2L-*
(* = W,V,G,B)



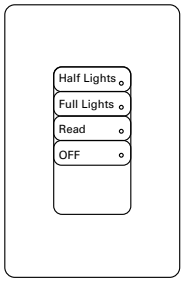
W2L-RL-*
(* = W,V,G,B)



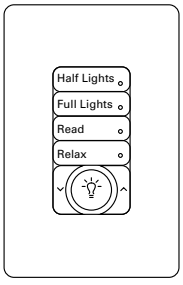
W2S-*
(* = W,V,G,B)



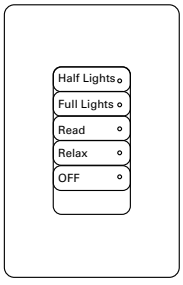
W2S-RL-*
(* = W,V,G,B)



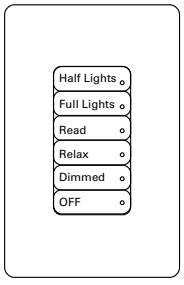
W4S-*
(* = W,V,G,B)



W4S-RL-*
(* = W,V,G,B)



W5S-*
(* = W,V,G,B)



W6S-*
(* = W,V,G,B)

Default engraving & light levels

Half Lights	Scene 3 = 50%
Full Lights	Scene 1 = 100%
Read	Scene 2 = 70%
Relax	Scene 4 = 30%
Dimmed	Scene 5 = 10%
Night	Scene 6 = 1%
Off	Scene 0 = Off

ON/OFF Raise/Lower buttons

Lowers Area light level



Raise Area light level

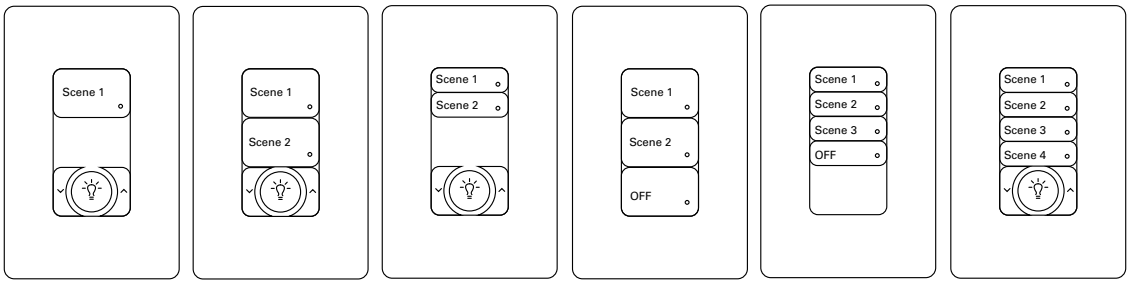
Toggles
Scene 1 &
Scene 0

Button programming options via WaveLinx Mobile Application

Scene Selection
Scene Toggle
Zone Toggle
Zone Level
Raise
Lower
HR Release
No Action

Field Programmable Buttons

Catalog Number	Description	Color Options
W1L -RL -S1-*	WaveLinx, 1 Button large, field programmable (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W2L -RL -S2-*	WaveLinx, 2 Button large, field programmable (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W2S -RL -S2-*	WaveLinx, 2 Button small, field programmable (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W3L -S2-*	WaveLinx, 3 Button large, field programmable wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W4S -S3-*	WaveLinx, 4 Button small, field programmable wallstatio	*=W - White, V - Ivory, G - Gray, B - Black
W4S -RL -S4-*	WaveLinx, 4 Button small, field programmable (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W5S -S4-*	WaveLinx, 5 Button small, field programmable wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W5S -S2D-*	WaveLinx, 5 Button small, field programmable (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W6S -S3-*	WaveLinx, 6 Button small, field programmable wallstatio	*=W - White, V - Ivory, G - Gray, B - Black
W6S -S3D-*	WaveLinx, 6 Button small, field programmable (RAISE/LOWER) wallstation	*=W - White, V - Ivory, G - Gray, B - Black
W6S -S5-*	WaveLinx, 6 Button small, field programmable wallstation	*=W - White, V - Ivory, G - Gray, B - Black
Notes Field Programmable models are standard engraving options that require field programming through the WaveLinx Mobile Application.	**Notes** All WaveLinx Wireless Wallstations include standard engraving and color matching screwless single gang wallplates. For custom engraving use the configurator tool within the FlashPro tool.	**Notes**



W1L-RL-S-1*
(* = W,V,G,B)

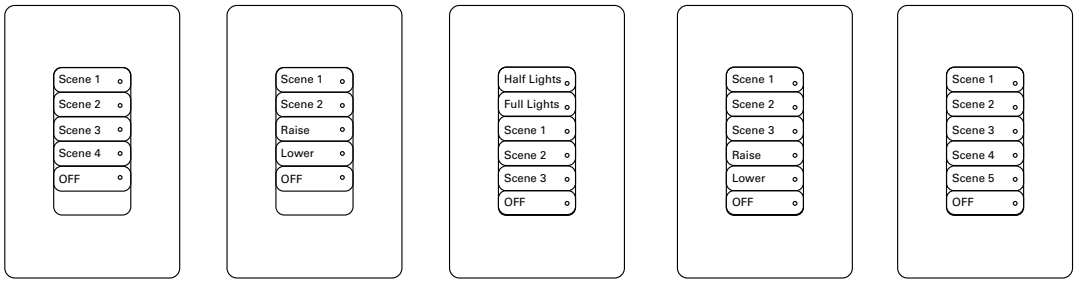
W2L-RL-S2-*
(* = W,V,G,B)

W2S-RL-S2-*
(* = W,V,G,B)

W3L-S2-*
(* = W,V,G,B)

W4S-S3-*
(* = W,V,G,B)

W4S-RL-S4-*
(* = W,V,G,B)



W5S-S4-*
(* = W,V,G,B)

W5S-S2D-*
(* = W,V,G,B)

W6S-S3-*
(* = W,V,G,B)

W6S-S3D-*
(* = W,V,G,B)

W6S-S5-*
(* = W,V,G,B)

Required Accessories

All WaveLinx Connected Lighting (WCL) system accessories require at least one Wireless Area Controller (WAC) for communications.
Ensure the bill of material includes one of the following components.

Catalog Number

Catalog Number	Description
WAC-POE	Wireless Area Controller, POE powered

Optional Accessories

For connection to 120VAC outlets.

Catalog Number

Catalog Number	Description
WPOE-120	120VAC to PoE Injector

Product Specifications

Key Features

- Easy installation and flexibility:
  - Multi-scene selection
  - Scene Raise/Lower
  - Toggle On/Off
- Suitable for standard single or multi-gang NEMA wall box with decorator style color match wallplates
- Mains powered for simple new or retrofit installations
- Clean, elegant, and simple way to control lighting on your project
- All settings are programmable through software, no physical adjustments necessary

Mechanical

Size: 4.75”H x 3.35”W x 1.85”D (121mm x 83mm x 47mm)
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
Color: White, Ivory, Gray and Black available

Electrical

Input power: 120-277VAC (neutral wire required)
Input current: 20mA (120V), 15mA (277V)

Hardware Specifications

Status Indicators:

- Button LEDs - White (1 per scene button)
- LED functionality
  - Indication of wireless network join request
  - Indication of wireless network connection
  - Scene indication of operations

Button Configuration:

- Large buttons 1-3
- Small buttons 2,4,5,6

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: 150ft (50m) LOS through 2 interior walls of standard construction
Note - metal faceplates will reduce wireless range

System Performance

Maximum number of Devices: 150 per Wireless Area Controller
(best practice 100 devices)

Standards/Ratings

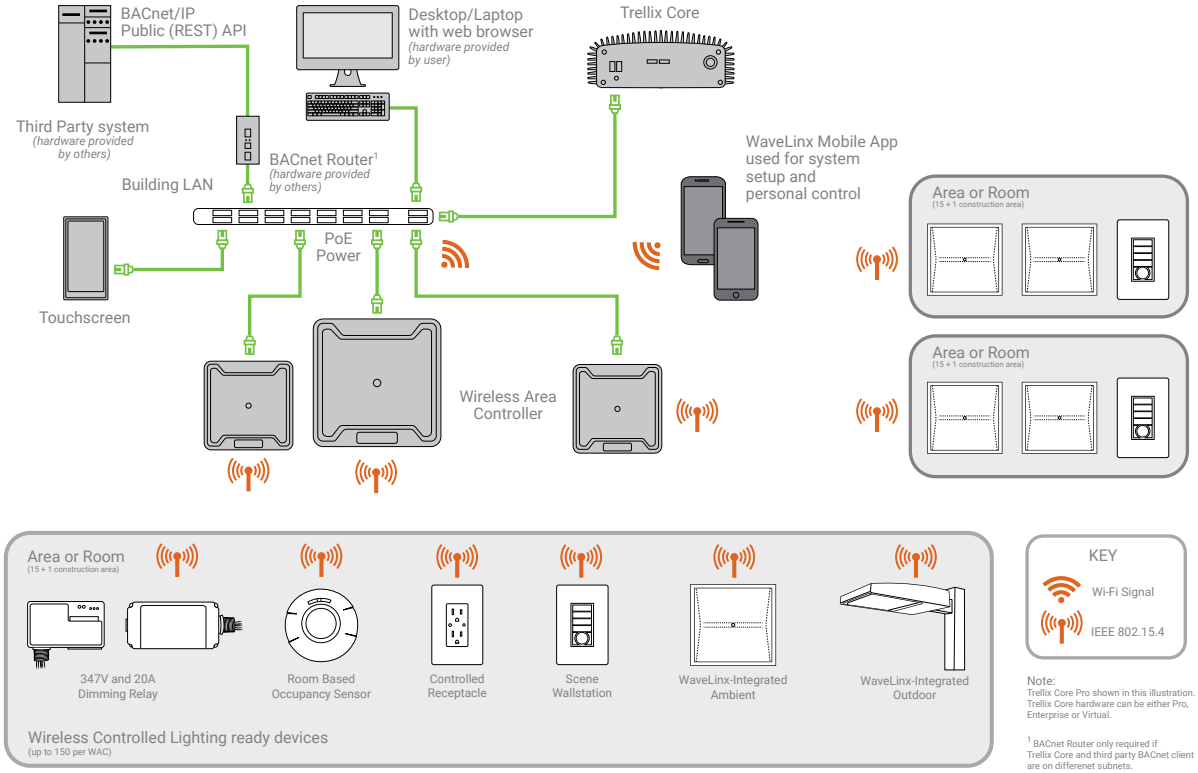
- cULus Certified
- FCC Part 15
- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC requirements
- Meets latest CEC Title 24 requirements

Warranty

Five year warranty standard

System Architecture

This diagram shows the main components of the WaveLinx 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.



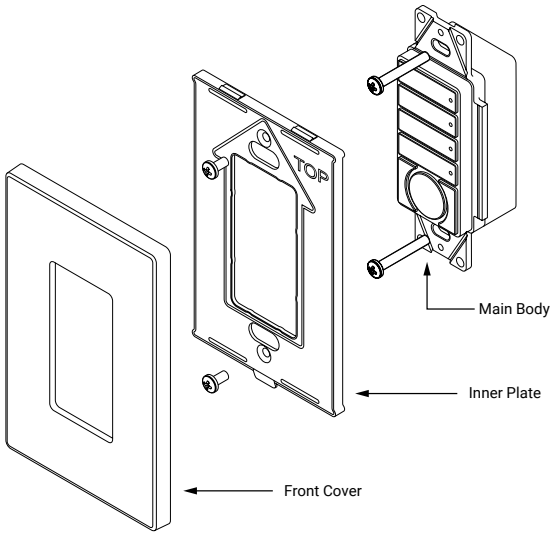
Overview

The wallstation is an integral part of the WaveLinx Connected Lighting System and is available in several small and large button configurations as well as various colors. These wallstations are mains powered and provide wireless control of the lighting in each area. The wallstations operate on a mesh wireless network based on IEEE 802.15.4 standards.

The wallstation mounts in a standard wallbox and includes a decorator style color matching wallplate. 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 wallstation is a multi-scene, single area dimming wallstation which provides customized light level for each area. Some wallstation models provide default sequence of operations including 50% light level, scene light levels between 30-70% as well as 100% and full off. Many wallstation configurations also include scene raise/lower buttons to further adjust the light levels.

Installation



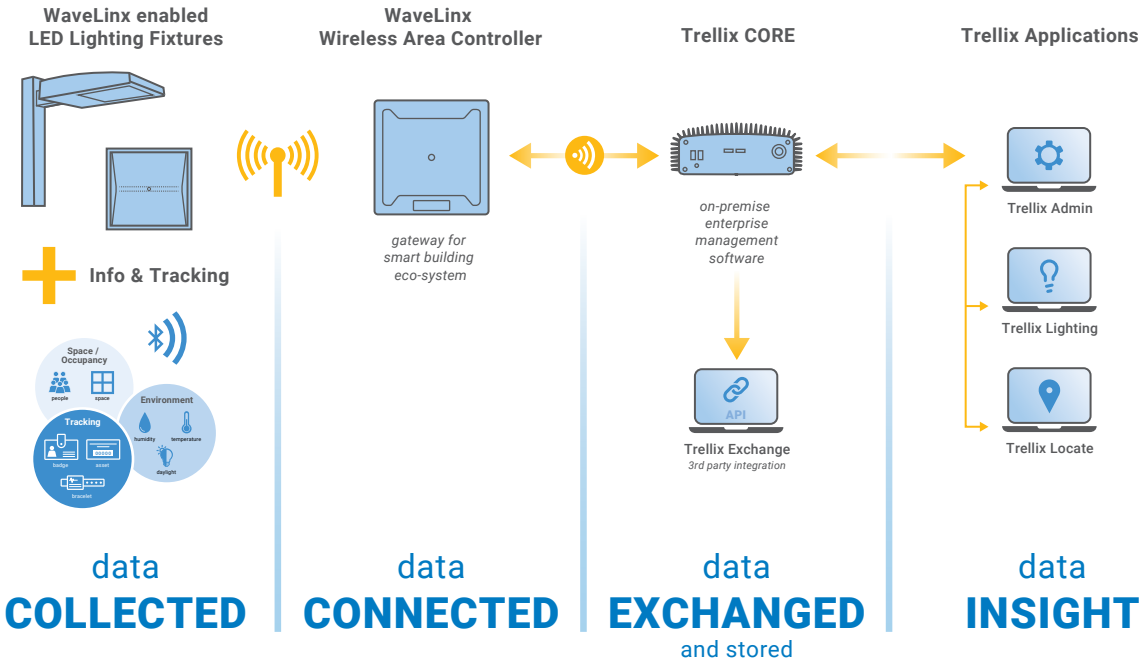
Connected Systems

- Trellix

Better Data. Better Decisions.

Trellix combined with our WaveLinx 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.



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Specifications and dimensions subject to change without notice.