

Project		Catalog #		Type	
Prepared by		Notes		Date	



WaveLinx Pro

Wireless 120VAC PoE Injector

Provides a 120VAC connection option for the PoE powered WaveLinx Pro Wireless Area Controller (WAC)

Typical Applications

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

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Product Certification



- Complies with the following electromagnetic requirements:
EN 55032 Class B (Emissions)
EN 55024 (Immunity)
VCCI

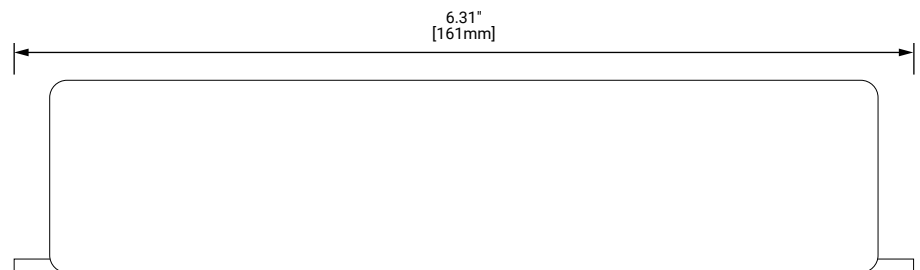
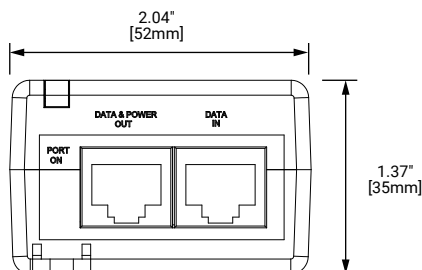
Product Features



Top Product Features

- Compact and cost effective, fully IEEE 802.3af compliant solution
- 110-240VAC power connection for WaveLinx Pro Wireless Area Controller
- Safe and reliable power over existing Ethernet infrastructure
- Stackable and compact
- Plug-and-play installation
- Guaranteed uptime

Dimensional Details



Order Information

All WaveLinx Pro 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
WPOE2-120	120VAC to PoE Injector

Required Accessories

All WaveLinx Pro connected lighting (WCL) system accessories require at least one WaveLinx Pro Wireless Area Controller (WAC2) for communications. Ensure the bill of material includes one of the following components.

Catalog Number

Catalog Number	Description
WAC2-POE	Wireless Area Controller G2, PoE powered

Product Specifications

Key Features

- Compact and cost effective, fully IEEE 802.3af compliant solution
- 110 - 240VAC power connection for WaveLinx Pro Wireless Area Controller
- Safe and reliable power over existing Ethernet infrastructure
- Stackable and compact
- Plug-and-play installation
- Guaranteed uptime

Mechanical

Size: 2.04" W x 1.37" H x 6.31" L (52mm x 35mm x 161mm)

Weight: 0.44 lbs (200g)

Environment:

- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage temperature:** -4° F to 158° F (-20° C to 70° C)
- **Relative humidity operating:** 10% to 90% RH (non-condensing)
- For indoor use only

Mounting: Surface

Connectors: Shielded RJ-45, EIA 568A and 568B

Electrical

AC Input Voltage:

- 110-240 Vac (+/-10%)

AC Input Current:

- 0.43A @100-240 Vac

Power over Ethernet Output:

- **Output Voltage:** 48Vdc
- **User Port Power:** 15.4W

Hardware Specifications

Channel Power:

- Green LED

Standards/Ratings

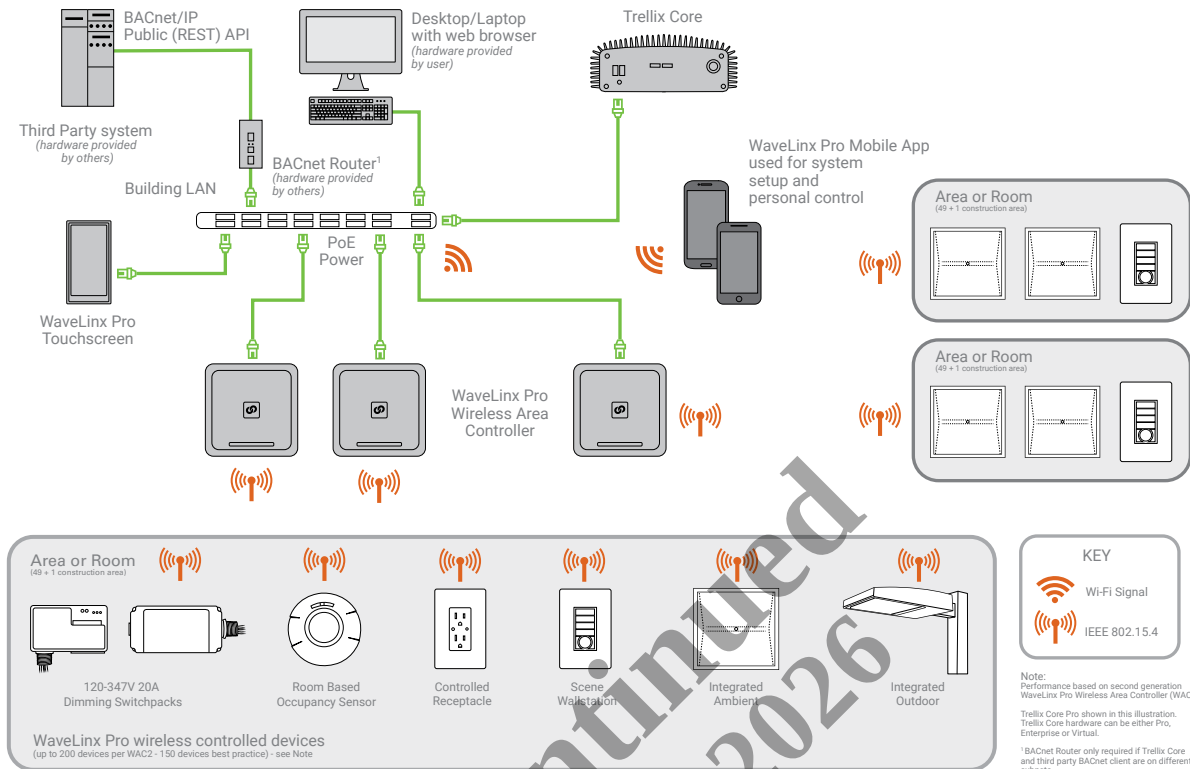
- cULus Listed - Information Security Equipment Safety (UL 60950)
- FCC Part 15, Class B
- Complies with the following electromagnetic requirements:
 - EN 55032 Class B (Emissions)
 - EN 55024 (Immunity)
- Power over Ethernet IEEE 802.3af
- RoHS Compliant
- WEEE Compliant
- CE

Warranty

Five year warranty standard

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.



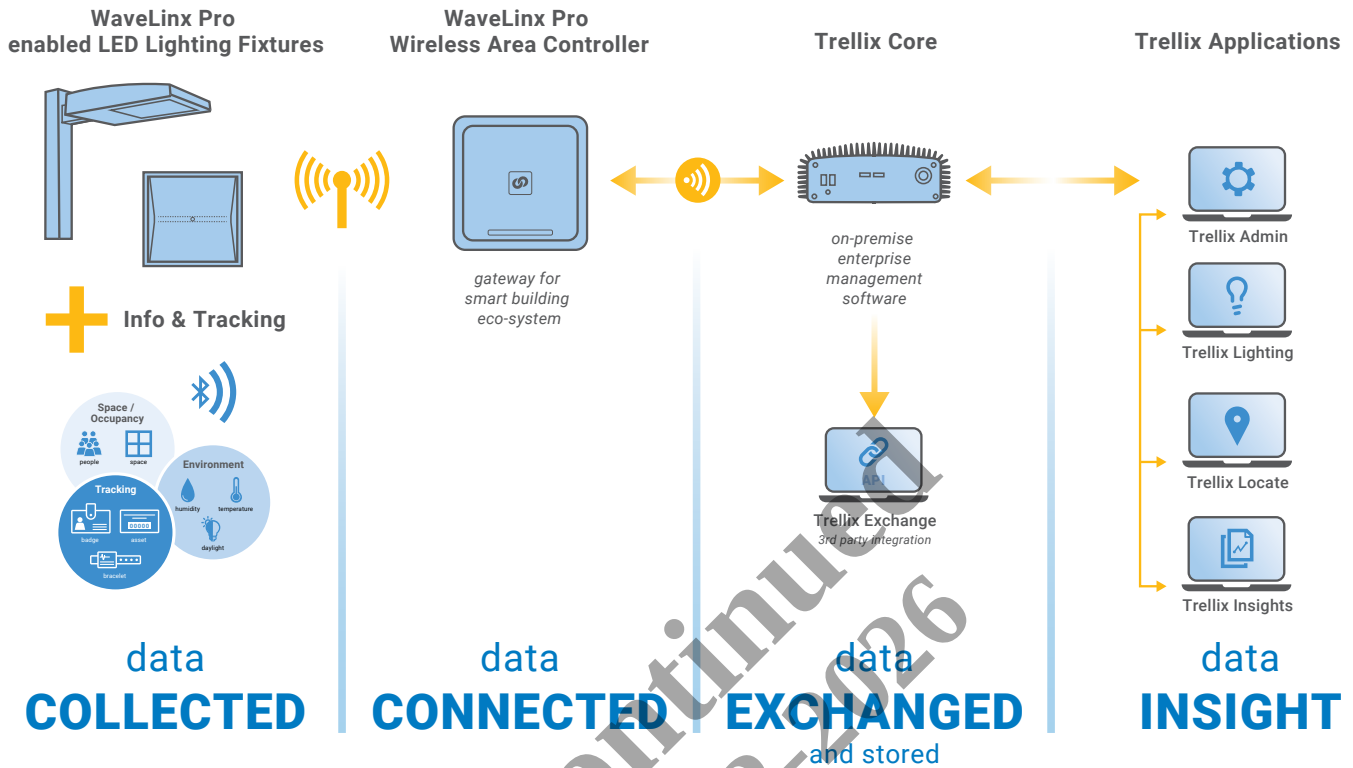
Overview

The 120VAC PoE Injector provides IEEE802.3af power for the WaveLinx Pro Wireless Area Controller. The injector enables 120VAC connectivity for the Wireless Area Controller, particularly useful for non-enterprise applications. Two output Ethernet ports are included, one provides 15.4W of PoE power and the second data only.

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.

**Control Systems**

- Trellix
- WaveLinx Pro wireless