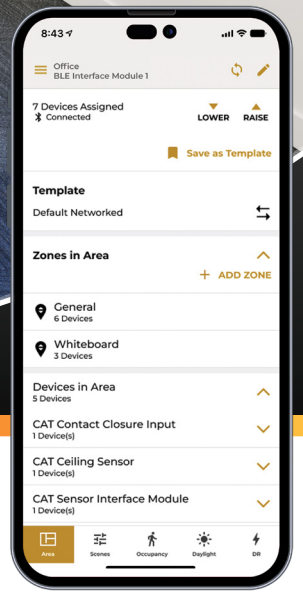
WaveLinx

Digital Lighting Control Solutions
For Indoor & Outdoor Commercial Spaces

Simple. Scalable. Insightful.



COOPER Lighting Solutions

a signify business

cooperlighting.com



It’s time for smarter buildings

The buildings where we work, play, shop, and get services account for 40% of today’s global energy consumption and 33% of greenhouse gas emissions. We can help you do better.

Intelligent digital and LED-based lighting systems are an integral part of exciting new strategies developed to reduce energy and operating costs while ensuring occupant comfort.

WaveLinx
Digital Lighting
Control
Solutions

WaveLinx

WaveLinx is a Cooper Lighting Solutions smart lighting system and more. It's an intelligent digital lighting system designed to help organizations drive down energy costs while creating healthier indoor and outdoor spaces.

WaveLinx offers an unparalleled choice of wired and wireless lighting control products, from simple switches to advanced automation, to luminaires with integrated sensors. It's one of the simplest systems to design, install, and commission.

With WaveLinx, you experience the next level of aesthetics and personalized ambiance and comfort, along with our largest offering of WaveLinx-enabled luminaires embedded with sensing and connectivity.

A smarter way to save energy is here.



How does WaveLinx work?

WaveLinx is a system of wired and wireless devices that controls lighting in multiple spaces.

- For a **single space**, use either wired CAT devices or wireless LITE devices.
- For **connected spaces**, use wired DALI and CAT and/or wireless PRO devices, and connect them with the WaveLinx Area Controller to link spaces together.
- For **central management, visual floorplans, dashboards and data exchange**, use a WaveLinx CORE on-prem, that offers standard and proprietary interfaces such as BACnet®/IP, OpenADR, APIs, and visualization applications.



WaveLinx LITE | WaveLinx DALI | WaveLinx CAT | WaveLinx PRO | WaveLinx CORE

Save up to 60% or more in lighting energy with a WaveLinx system.

STRATEGY	DESCRIPTION	ESTIMATED SAVINGS
 Manual Dimmer	**Manual/personal dimming control –** one of five alternative methods that meets multi-level control requirements.	**10-20%**
 Occupancy Sensor	**Occupancy/vacancy sensing –** provides manual on/automatic off or automatic on/automatic off and partial off capabilities.	**20-60%**
 Daylighting Control	**Daylight dimming –** provides multiple daylight dimming zones that automatically adjust the lighting based on daylight available in the space, or fixture-integrated sensors, for completely granular daylighting control.	**20-45%**
 Receptacle Control	**Plug load control –** automatically turns on receptacles upon occupancy regardless of light status. Ensures receptacles are turned off when the space is vacant.	**15-50% controlled loads**
 Task Tuning	**High-end/task tuning –** lowers the maximum light level for automatic energy savings.	**10-30%**
 Demand Response	**Demand response –** automatically reduces light level based on signal from 3rd-party system.	**10-40%**
 Remote Signal Control	**BACnet –** coordinates control through BMS. **Remote signal control –** communicates to 3rd-party systems via API.	**20%**
 Outdoor Control	**Outdoor control –** automatically adjust area, site, and flood lighting via scheduling or astronomic clock.	**25%**
 HVAC System	**HVAC integration –** controls heating, ventilation, and air conditioning systems through contact closure or BACnet protocol.	**10-15%**

WaveLinx advantages:

Simple to design

WaveLinx takes the stress out of specifying an energy code-compliant lighting system.

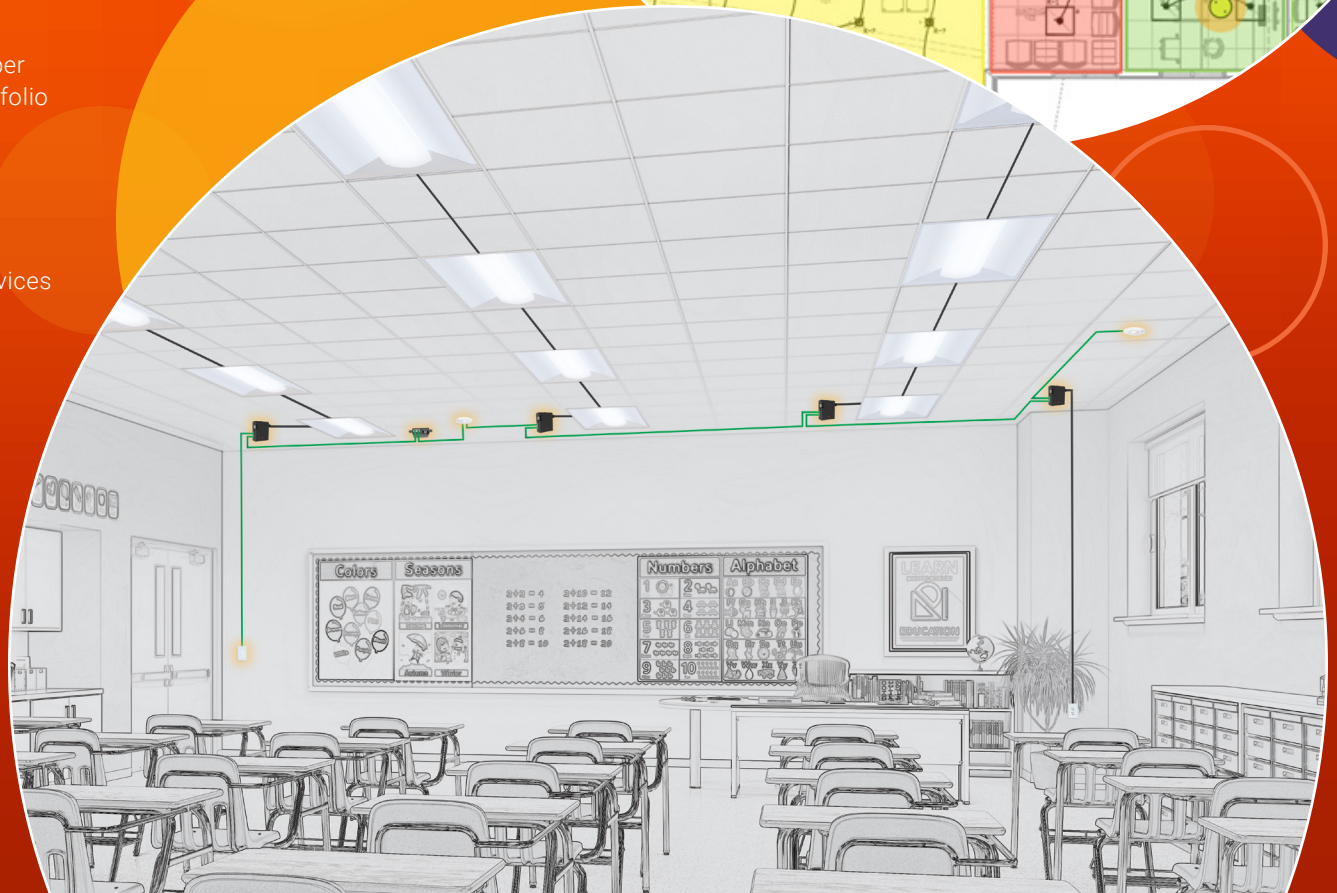
Code compliance – WaveLinx is designed to meet all North American energy codes with automatic lighting, emergency, and plug load control based on occupancy, time-based events, and demand response signal, including OpenADR.

Scalability – WaveLinx makes it simple to specify and design a hybrid digital lighting control system for single rooms or networked spaces. CAT5 and DALI-2 wired control devices work out-of-the-box; and wireless control devices are easily configured via mobile app.

Luminaire level lighting control (LLLC) – Cooper Lighting Solutions offers a comprehensive portfolio of WaveLinx-enabled luminaires for indoor and outdoor use as well as low-bay and high-bay applications.

Different technologies, one system – Want to combine wired and wireless lighting control devices and panels? WaveLinx Area Controller bridges wired and wireless devices to form a single comprehensive digital lighting control system.





Click on drawing to view finished **room**

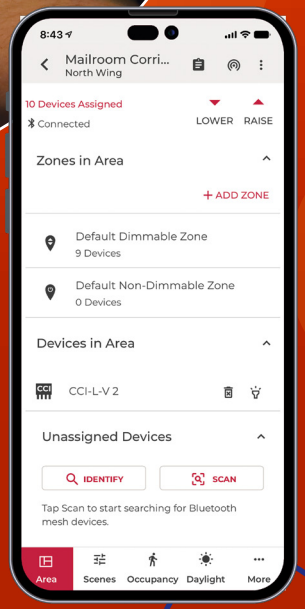
Easy to design

WaveLinx CAT solution



Simplified wiring
WaveLinx CAT WST-C-* Wallstation





WaveLinx advantages:

Simple to install

Simplified wiring – Wired devices feature RJ45 connections, CAT5, and 2-wire (DALI) cables for control and for powering devices. Wireless devices have no communications wiring. Factory-programmed switchpacks self-commission. Keypad and ceiling sensors control a room's lights. Zoning, keypad, or sensor settings can be changed quickly via a mobile device and the WaveLinx app

Faster installation – WaveLinx wireless devices and WaveLinx-enabled luminaires don't need wires to be connected, so installation is faster and costs less in labor hours.

Less programming – WaveLinx factory zone-assigned load controllers and luminaires that have WaveLinx integrated sensors with out-of-box mode require no programing to control spaces.

Easy app-based configuration – Connecting control devices and customizing a space is easy with WaveLinx apps and any smart device. Code-compliant templates and default settings significantly reduce programming time.

Simple yet powerful programming... with or without an IT network.

WaveLinx advantages:

Scalable

WaveLinx is future-ready. It scales and adapts to changes in technology and in your building's requirements.

Flexibility makes WaveLinx the ideal commercial lighting solution for small to large, indoor and outdoor applications. Use it to control the lights of a single room or add WaveLinx Area Controller to connect your project and control a suite of rooms, or multiple floors, the exterior, even an entire building.

Choose wired or wireless devices. Need a supervisory management system for the facility management team? Add a WaveLinx CORE. It historizes the data gathered by the system's devices to provide insights about space and asset usage within your building.



SINGLE SPACE

Control up to 40 devices for a single space

ENTIRE FLOOR

Add a WaveLinx Area Controller(s) and control an entire floor

ENTIRE BUILDING

Add a WaveLinx CORE Pro and control over 3,000 devices for a building

ENTIRE CAMPUS

Add a WaveLinx CORE (Enterprise or Virtual) and control over 32,500 devices for a campus

WaveLinx advantages:

Insightful

Digital lighting control is just the beginning. WaveLinx turns your lighting into a connected system that can improve operational efficiency and occupant experience.



Improve energy usage – Empower your sustaining team with our intuitive energy dashboard. Gain real-time insights, track usage patterns, and optimize efficiency to save costs and reduce environmental impact.

Optimize user experience – Maximize your space utilization with our comprehensive space usage dashboard. Effortlessly monitor occupancy, optimize layouts, and unlock potential for increased productivity and cost savings.

Experience real-time visibility of your assets – Leverage the WaveLinx location-based services feature to seamlessly locate and monitor assets, personnel, and resources, enabling smarter decision-making, improved safety, and enhanced operational performance.

Smart building readiness – Leverage the valuable data generated by WaveLinx sensors by sharing them with smart building platforms via BACnet/IP and Public API (REST).

WaveLinx provides next-level security

As organizations expand their digital footprint, it becomes imperative to protect the availability, integrity, and confidentiality of their systems.

Cybersecurity is embedded into all Cooper Lighting Solutions connected products and platforms. Our approach includes everything from threat modeling and requirement analysis to verification and ongoing maintenance.

In addition, all our connected products are certified against the IEC 62443-4-2 standard by an authorized, third-party security lab. So, our customers get the accredited, independent proof they need to trust products installed for their facility.

IEC 62443-4-1 and 62443-4-2 CERTIFICATION

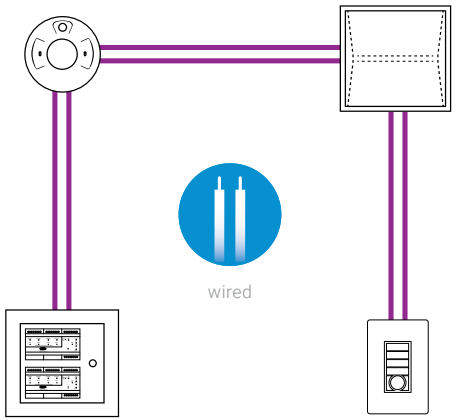
Cooper Lighting Solutions seeks to exceed security regulations and guidelines.

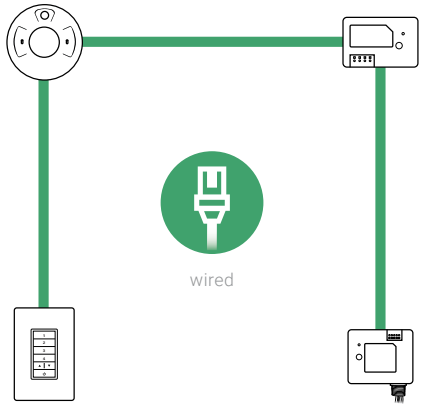
We have worked with Dekra, an accredited security lab for IEC 62443-4 cybersecurity standards, to test and certify our products.

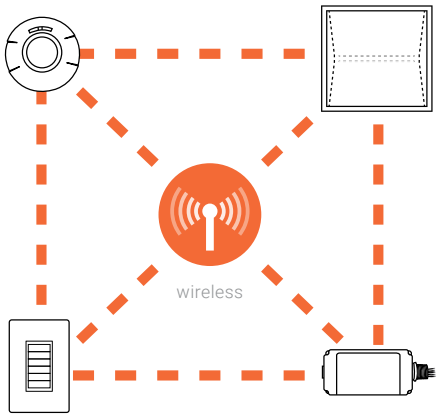
Our products are IEC 62443-4-2 certified, and our development processes are IEC 62443-4-1 compliant.

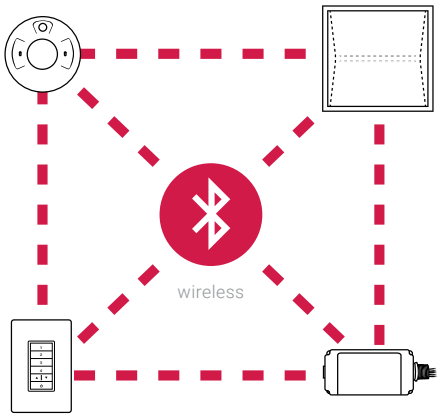
Reliable communication

Merge wired stability with wireless flexibility for reliable, seamless data flow and adaptability in any environment.









WaveLinx DALI

WaveLinx DALI devices communicate through 2-wires with a DALI-2 panel and are used in networked-space applications.

WaveLinx CAT

WaveLinx CAT devices communicate through CAT5 cables and are used in single- and networked-space applications.

WaveLinx PRO

WaveLinx PRO devices communicate wirelessly and are used in networked-space applications.

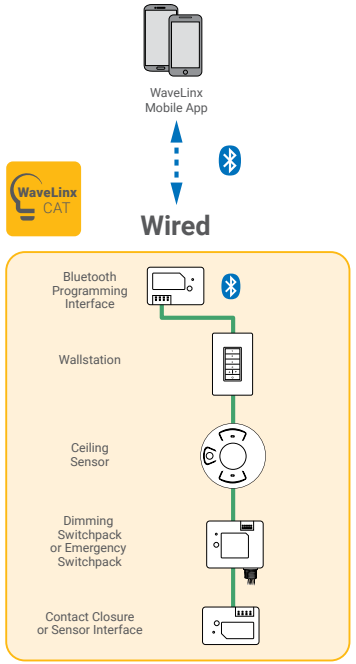
WaveLinx LITE

WaveLinx LITE devices communicate wirelessly and are used in single-space applications.

Standalone spaces

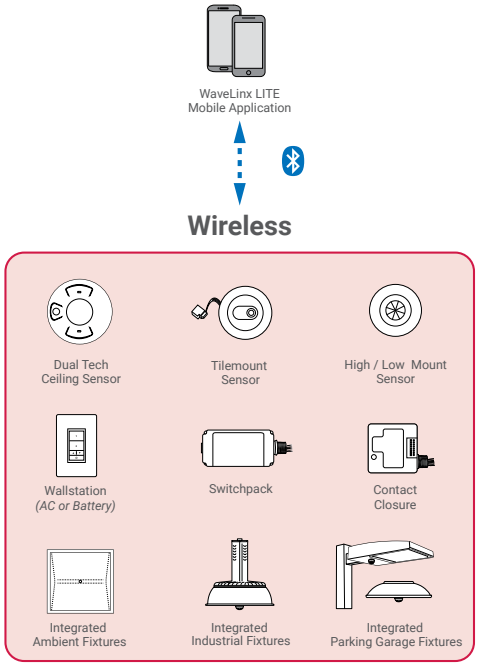
Single Room/Single Space

Start by implementing controls for a single room. Return at any time to easily upgrade to a connected system.



Functionality

1. User registration
2. Configuration
3. Firmware updates
4. Notifications
5. Backup/restore



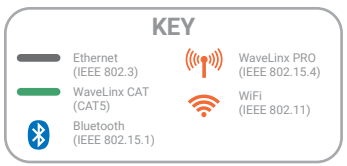
Functionality

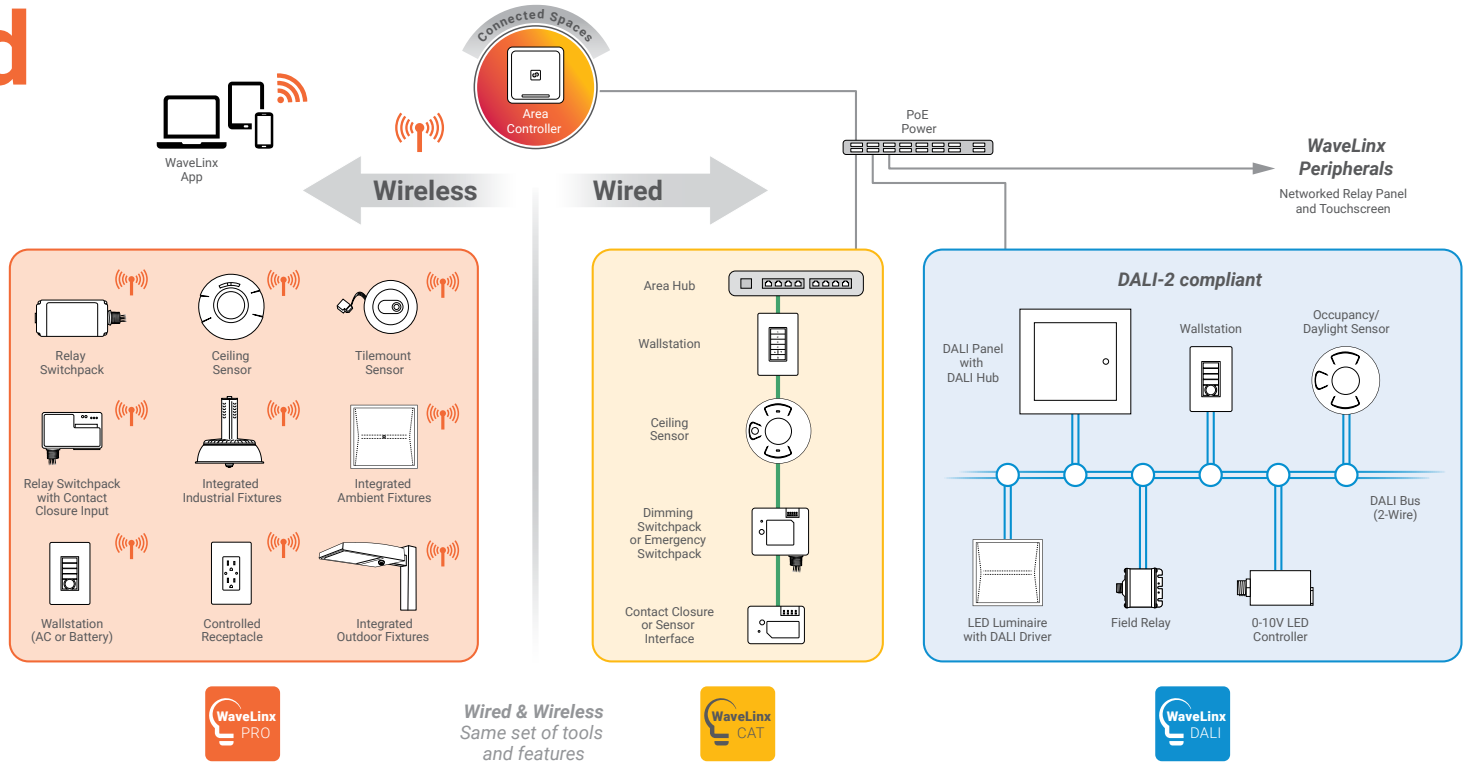
1. User registration
2. Project data
3. Notifications
4. Firmware updates
5. Project configuration
6. Backup/restore

Connected spaces

Multiple Rooms/Entire Floor

Add controls to more rooms or an entire floor without having to reprogram or replace existing equipment.



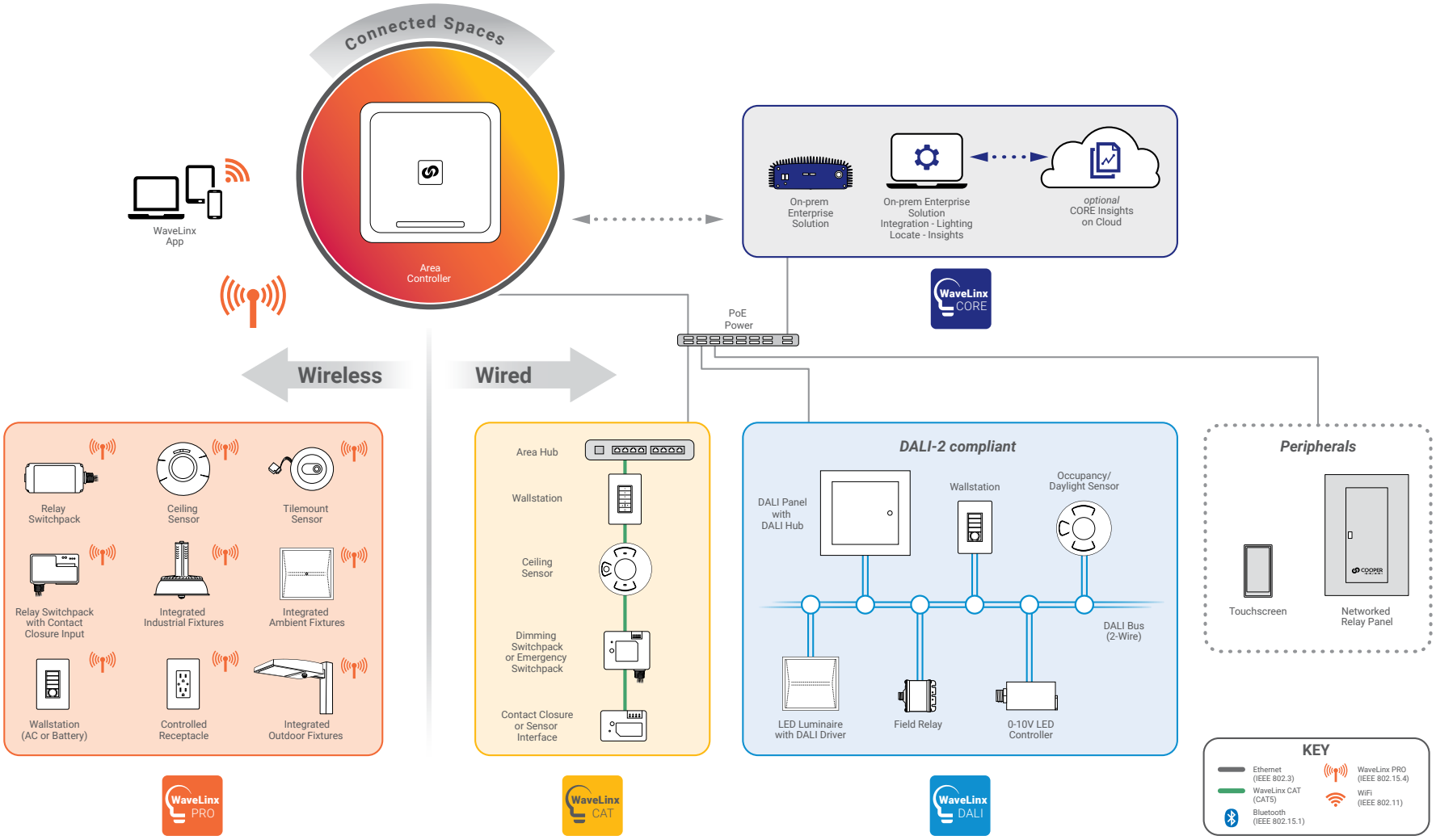


Wired & Wireless
Same set of tools and features

Enterprise solutions

Multiple Floors/Entire Building

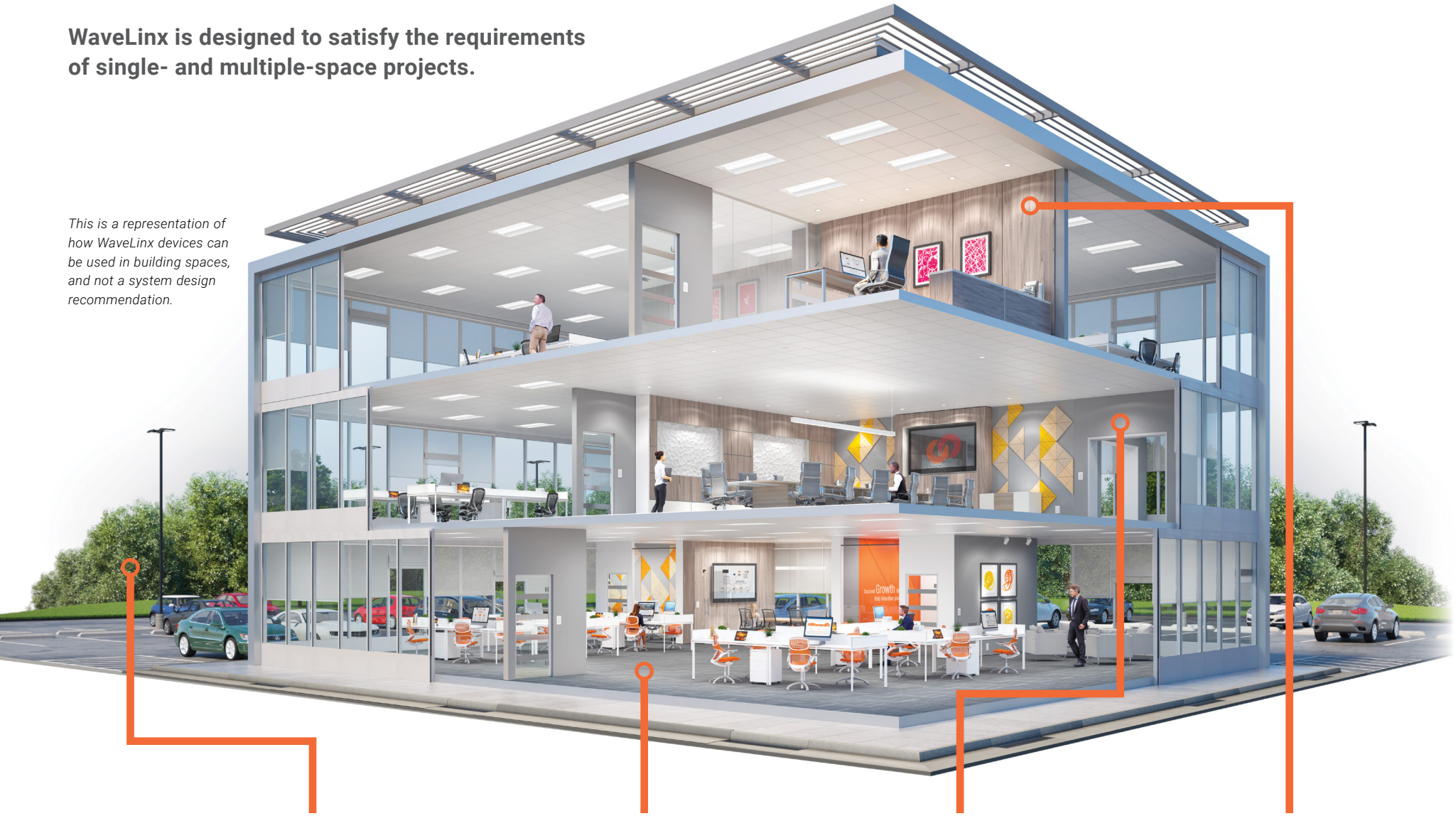
Using WaveLinx Area Controller and CORE, controls can be scaled to multiple floors or an entire building on just one system, with independent control for each floor or network.



Wired and Wireless Solutions

WaveLinx is designed to satisfy the requirements of single- and multiple-space projects.

This is a representation of how WaveLinx devices can be used in building spaces, and not a system design recommendation.



Outdoor
PRO & LITE solutions

Open office
PRO & CAT Hybrid solutions

Conference room
CAT solution

Private office
LITE solution

Wired Solution for a single space

Click to **learn more**

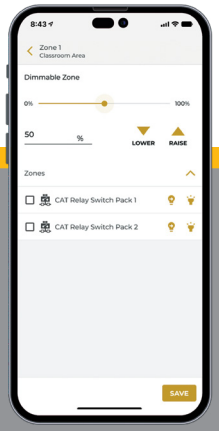
The Basics.

WaveLinx offers wired control devices that communicate with each other over a category cable using WaveLinx CAT, a proprietary digital communication.

WaveLinx reduces installation time with its simple click-and-go, auto-discovery, and self-commissioning features.

For a single room/space wired solution, simply connect the wired devices using CAT5 cable. The devices automatically discover each other and self-commission.





CAT
Mobile App



WaveLinx CAT Wallstation

CAT5 Bus-powered wallstation, providing wired control of the lighting in an area.



WaveLinx CAT Dimming Switchpack

Device provides control of 0-10V dimming loads and up to 20A switched loads within a zone.



WaveLinx CAT Emergency Switchpack

Device powered by emergency power to control emergency lighting within the area.



WaveLinx CAT BPI - Bluetooth Interface Module

Uses a Bluetooth Low Energy (BLE) Radio Module to allow wireless communication between the local CAT area and WaveLinx CAT mobile app.

Wireless Solution for a single space

Click to **learn more**

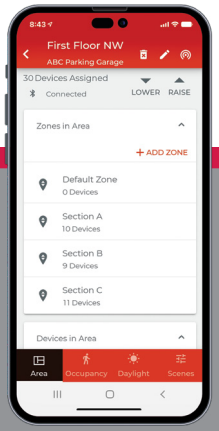
The Basics.

WaveLinx offers wireless control devices that communicate with each other over Bluetooth (802.15.1) radio using the WaveLinx LITE protocol.

Once installed and powered, the installer uses the WaveLinx LITE app to discover the devices and group them together.

WaveLinx reduces installation time with its code-compliant templates, devices listing based on signal strength, and multi-commissioning specialists features.



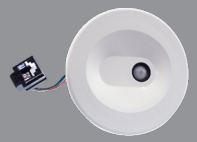


LITE
Mobile App



WaveLinx LITE Wallstations

Line voltage or battery-powered wallstations provide wireless control of the lighting in an area.



WaveLinx LITE Tilemount Kits

Wireless tilemount sensor provides remote occupancy sensing and daylight dimming for luminaries.



WaveLinx LITE Industrial Sensors

Industrial high (40') and low (15') bay sensors offer toolless integration with WaveLinx industrial light fixtures equipped with a 4-pin Zhaga Book 18-compliant socket.



WaveLinx LITE Switchpack

Relay switchpack provides wireless control with 0-10v dimming capabilities for the lighting in an area.

Wired and Wireless Solution for connected spaces

Click to **learn more**

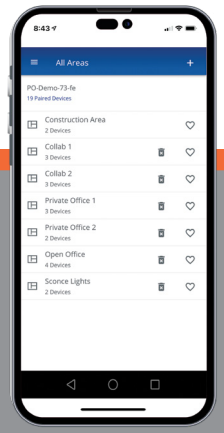
The Basics.

For large spaces or spaces for which wired and wireless need to come together as a hybrid system, WaveLinx offers the WaveLinx Area Controller which communicates with both PRO, CAT, and DALI devices.

WaveLinx Area Controllers communicate with wireless devices using PRO protocols over 802.15.4 radio and with wired devices via a WaveLinx Area Hub.

WaveLinx Area Controller allows you to scale to multiple rooms on an entire floor. WaveLinx CAT devices connect via CAT cable, WaveLinx DALI devices via 2-wire cable, and WaveLinx PRO devices via an 802.15.4 radio.





WaveLinx Mobile App



WaveLinx PRO Battery Wallstation

Battery-powered wallstation provides wireless control of the lighting in an area.



WaveLinx CAT Occupancy Ceiling Sensor

Ceiling mount occupancy and daylight sensor automatically controls lights via CAT communication bus to compatible dimming and switching devices.



WaveLinx CAT Area Hub

A bridge device to aggregates network traffic from connected areas and connects with the WaveLinx Area Controller.



WaveLinx Area Controller

Device coordinates between mobile app, WaveLinx devices, and CORE platform. Powered via PoE injector or network switch.

Wired Solution for connected spaces

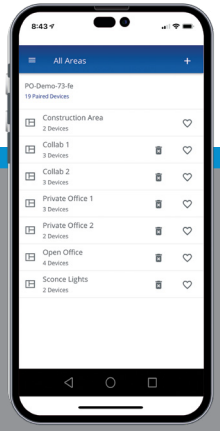
Click to **learn more**

The Basics.

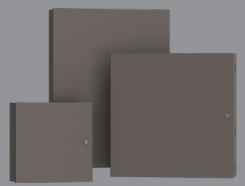
WaveLinx DALI brings the power of the DALI-2 (IEC 62386) standard into the broader WaveLinx ecosystem, enabling a robust, wired lighting control solution that integrates seamlessly with WaveLinx's hybrid architecture.

DALI-2 input and output devices connect directly to the WaveLinx DALI panel using a simple two-wire, polarity-free bus, providing precise addressability and reliable wired performance. The WaveLinx Area Controller communicates with the DALI panel, allowing all connected DALI devices to be configured and controlled through the WaveLinx mobile application—with automatic addressing simplifying startup and eliminating manual DALI management.





WaveLinx Mobile App



WaveLinx DALI Panel and Hub

Supports up to six DALI-2 controllers, manages 64 control gears and 64 control devices per bus, offers multiple voltage options, and pre-wired at the factory.



WaveLinx DALI Wallstation

DALI-2 Bus-powered wallstation, providing wired control of the lighting in an area.



WaveLinx DALI Occupancy Ceiling Sensor

Ceiling mount occupancy and daylight DALI-2 sensor automatically controls lights via DALI communication bus to compatible dimming and switching devices.



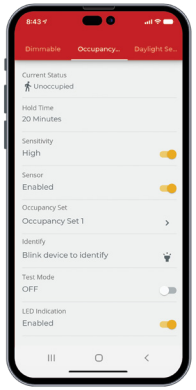
WaveLinx DALI Digital Analog Converter (DAC)

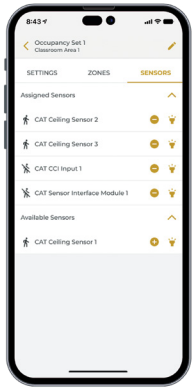
Powered by the DALI bus. The DAC has a built-in relay and 0-10V interface to control 0-10 fixtures via the DALI interface.

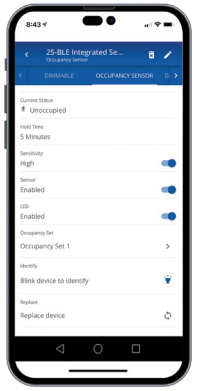
Control at your fingertips

WaveLinx lighting control systems combine functionality and simplicity.

- Intuitive user interface groups devices, creates custom scenes, adjusts occupancy and daylight operations, defines time-based events, and more.
- Consistent workflow and user interface across all apps.
- Secure cloud portal prevents unauthorized access to the system.







WaveLinx LITE app

for standalone spaces
with wireless devices

Communicates with the LITE devices directly using the mobile device Bluetooth radio.

WaveLinx CAT app

for standalone spaces
with wired devices

Communicates with CAT devices via mobile device Bluetooth radio and a Bluetooth-to-CAT adapter connected to the communication bus.

WaveLinx app

for connected spaces with a
WaveLinx Area Controller

Communicates with the WaveLinx Area Controller using the mobile device WiFi radio.

WaveLinx Apps can be downloaded via the Apple Store® or Google Play and are an accessory to the WaveLinx system

Download on the App Store

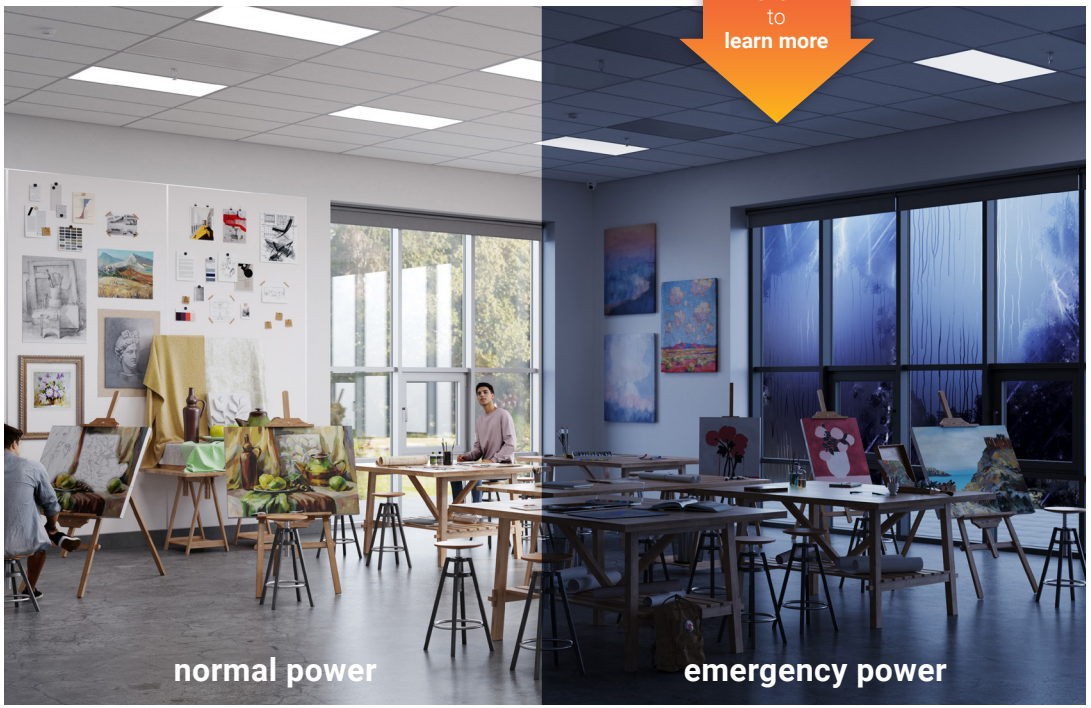
GET IT ON Google Play

WaveLinx EM

Emergency lighting is a critical element of any building design. It ensures occupant safety during power outages or emergencies. Centralized Emergency Power Solutions (generators and inverters) are excellent sources for backup power, however the drawback for them has always been additional wiring requirements for integrated controls. Now with the ability for an integrated wireless emergency (WEM) solution, there is no need for additional cable runs, resulting in the best of both worlds. Backup power without a battery life and no additional wiring, resulting in significant savings.

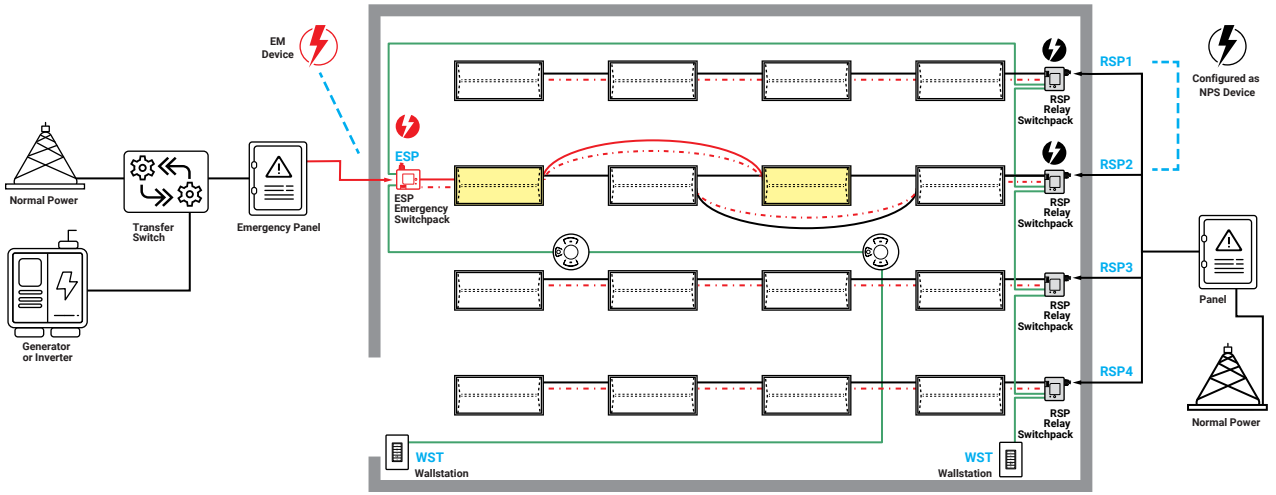
The **WaveLinx CAT** emergency solution is provided through an emergency dimming switchpack (ESP-C). It offers 120/277VAC Single Phase) 20A relay control and continuous 0-10V dimming control of LED and non-LED loads. The ESP-C Switchpack is ideally suited for use in conjunction with a standard RSP-C Relay Switchpack that controls a zone's normal powered lighting.

- Automatic Override – Automatically overrides emergency lights on to full brightness upon normal power loss
- UL924-Compliant – Meets UL924 emergency power supply and NEMA410 ratings for LED/electronic ballast inrush
- Digital communication over CAT - Enables remote configuration of the device settings such as zone assignment via WaveLinx apps (mobile or web-based apps)



EM Design Guide



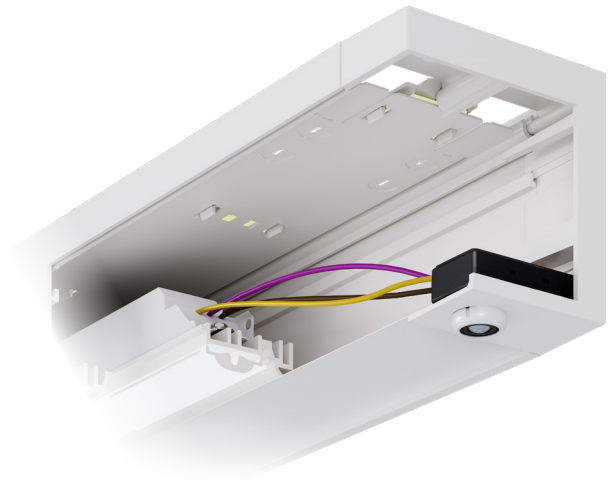


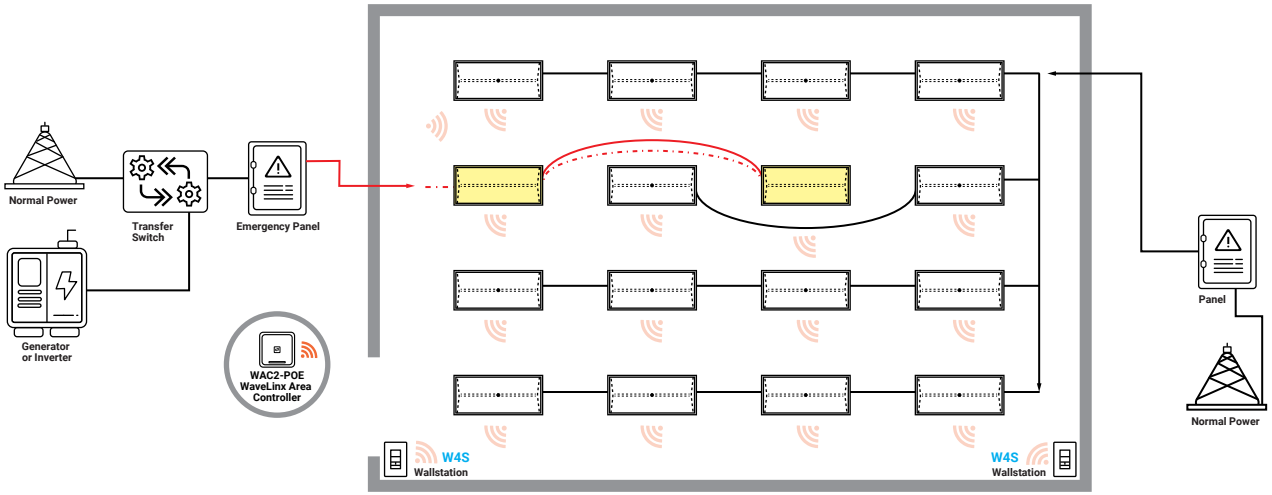
Emergency power control for integrated fixtures

Wireless Emergency

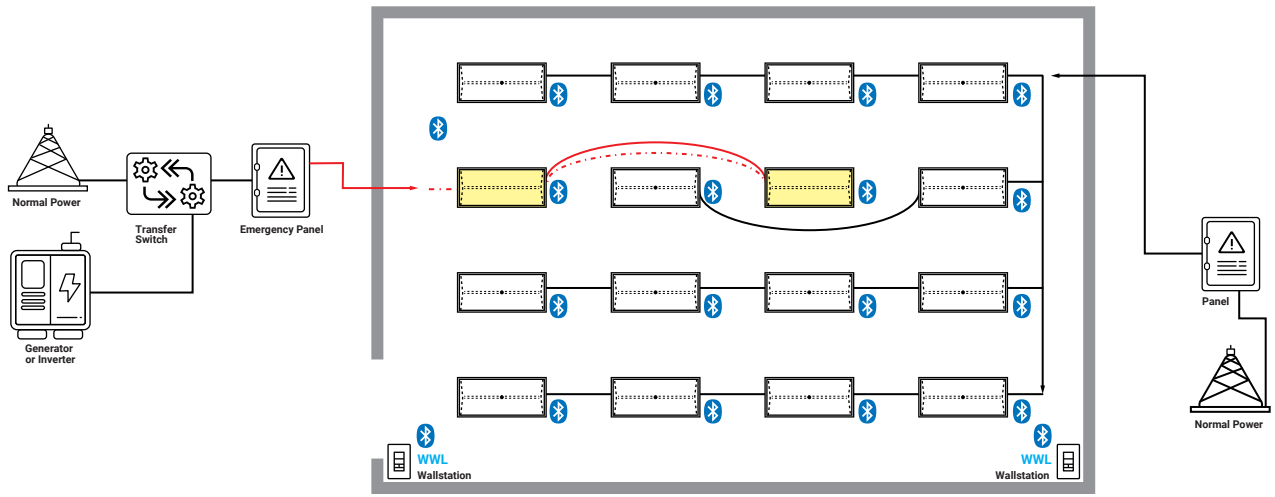
The **WaveLinx PRO** (WPS-WEM-R3) and **Wavelinx LITE** (WLS-WEM-R3) integrated wireless emergency sensors respond to an emergency condition during a loss of power to the normal power sensing (NPS) devices – without the need for additional feeds. Once normal devices are provisioned, they'll communicate with the emergency device confirming the presence of normal power. Both the PRO and LITE mobile apps test mode lets you simulate an emergency event without having to transfer power. This functionality allows for regular testing of installed devices without accessing upstream breakers.

- Integrated sensors removes the need for any externally mounted UL924 device
- The PRO emergency device integrates and communicates with other PRO devices whereas the LITE switchpack communicates and integrates in the LITE system
- The device works in tandem with normal power sense devices in an emergency set to provide a robust emergency solution











WaveLinx Control Devices

Precise control. Flexible options.

Controllers and Smart Platform





WaveLinx Area Controller

Used for networked rooms/spaces, the WAC2 coordinates with WaveLinx mobile app and various WaveLinx devices to create a smart building ecosystem. It provides out-of-the-box functionality and leverages our patent-pending automatic code-commissioning features.

catalog number:
WAC2-POE - WaveLinx Area Controller G2 (PoE powered)
WPOE2-120 - 120VAC to PoE Injector
WAC2-120 - WaveLinx Area Controller G2 with 120VAC to PoE Injector

WaveLinx Outdoor Area Controller

An IP-66 rated UV- resistant enclosure suitable for parking lots and garages, which can be mounted on poles or a wall and helps manage your outdoor lighting.



catalog number:
WAC-MV-OD - WaveLinx Outdoor Area Controller

Designers, electrical contractors, and building owners/ operators use WaveLinx to comply with the latest energy codes, maximize energy savings, and improve occupant experiences.

WaveLinx
Digital Lighting Control Solutions

Controllers and Smart Platform





DALI-2 certified hub mounted inside the DALI Panel

WaveLinx DALI-2 Panel

The WDP-D2-- DALI Panel supports up to 24 DALI-2 certified buses and is pre-wired with an ethernet switch for rapid field installation. Available in multiple sizes and supporting 120/277 and 347 VAC, it ensures scalable, high-performance control for diverse project needs.

catalog number:
WDP-D2-S1-* - WaveLinx DALI Panel (small) with 1 DALI Hub (4 Buses)
WDP-D2-S2-* - WaveLinx DALI Panel (small) with 2 DALI Hubs (8 Buses)
WDP-D2-M3-* - WaveLinx DALI Panel (medium) with 3 DALI Hubs (12 Buses)
WDP-D2-M4-* - WaveLinx DALI Panel (medium) with 4 DALI Hubs (16 Buses)
WDP-D2-L5-* - WaveLinx DALI Panel (large) with 5 DALI Hubs (20 Buses)
WDP-D2-L6-* - WaveLinx DALI Panel (large) with 6 DALI Hubs (24 Buses)
* [BLANK] 120/277VAC or 347 = 347VAC





WaveLinx CORE Pro, Enterprise, and Virtual CORE Enterprise

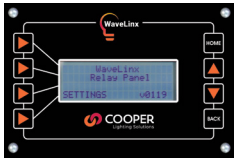
Enterprise | BACnet | API Integration

The WaveLinx CORE is an on-prem hardware platform hosting WaveLinx Lighting, Locate, and Insights applications as well as interfaces used to communicate with third-party systems (BACnet, API, OpenADR, and applications). They network with WaveLinx Area Controllers, collecting data that can be shared with third-party systems via BACnet and Public API (REST).

catalog number:
TRX-TCPR02 - WaveLinx CORE Pro (supports 20 WACs, up to 3000 devices)
Includes: 250 devices
TRX-TCENT2 - WaveLinx CORE Enterprise (supports 300 WACs, up to 32,500 devices)
Includes: 250 devices (Lighting base license)
TRX-TCVRT2 - WaveLinx CORE Virtual Enterprise (supports 300 WACs, up to 32,500 devices)
Includes: 250 devices (Lighting base license)

Panels





Networked Relay Panel

The WaveLinx Networked Relay Panel consist of Relays and 0-10V dimming modules that is connected to the WaveLinx Area Controller through an Ethernet switch. The WaveLinx Networked Relay Panels are available in various enclosure sizes including emergency options, with capacity up to 64 latching relays and 64 dimming 0-10V channels.

catalog number:
PLE-* - WaveLinx Panel Enclosure with up to 64 relay capacity
PLE-*E - WaveLinx Panel Enclosure with emergency options

Hub



WaveLinx Area Hub

Aggregates network traffic from connected downstream areas and connects it to the WaveLinx Area Controller. Allows up to 8 individual wired areas to communicate with the Area Controller.

catalog number:
WAH-C-POE - WaveLinx Area Hub (PoE powered)

Sensors

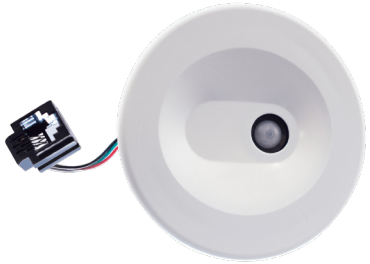


Occupancy Ceiling Sensor

Sensing | Daylight | Wireless | Battery

The occupancy ceiling mount sensor (OCS) offers motion detection (PIR sensor) and daylight sensing (photocell sensor). Wired and wireless versions of the OCS are available. Also available in Dual technology (PIR and Acoustic) versions for LITE and CAT.

catalog number:
CWPD-1500 - PRO Occupancy Ceiling Sensor
OCS-C - CAT Occupancy Ceiling Sensor
OCS-L-D- * - LITE Occupancy Ceiling Sensor
OCS-D2- * - DALI Occupancy Ceiling Sensor





Wireless Tilemount Sensor Kit

Sensing | Daylight | Downlights | Wireless

Provides PIR occupancy and daylight dimming with control for connected downlights and other luminaires that don't support the WaveLinx Integrated Sensor. The Tilemount Sensor Kit provides 0-10V dimming control of LED and non LED loads up to 3amps 120-277V luminaires.

catalog number:
WTA - PRO Tilemount Kit *
WTK - LITE Tilemount Kit *
WPST - Fixture Mounted PRO Tilemount Kit
WLST - Fixture Mounted LITE Tilemount Kit
** - accessory catalog number*

Load Controllers



Relay Switchpack

Plug Load | 0-10V | Wireless

The wireless dimming switchpack with 0-10V (WSP-UV-010) offers 120-347VAC 20 amp zero crossing relay control and continuous 0-10V dimming control of LED and non LED loads. The wireless relay switchpack with 0-10V control also supports 20 amp plug load control.

catalog number:
RSP-P-010-347 - PRO Relay Dimming Switchpack
RSP-C-010-Z - CAT Relay Dimming Switchpack
RSP-L-010-347 - LITE Relay Dimming Switchpack



Receptacle Control

Plug Load | Wireless

Provides simplified wireless plug load control – now required by many building codes as part of an energy-saving control strategy. The wireless receptacle is automatically paired with all WaveLinx PRO occupancy sensors when it's assigned to an area using the WaveLinx mobile app.

catalog number:
WR20 - PRO Receptacle

Wallstations



Wallstation

Manual | Scenes | Zones | Wireless | Wired

These wallstations are line-voltage and DALI-Bus powered and provide wireless or wired control to the lighting in each area. They mount in a standard wallbox and include a decorator style color matching wallplate. Each wallstation is fully configurable to provide local and multi-level control in each area. Available in several small and large button configurations as well as various colors.

Line voltage powered (120-277VAC)
catalog number:
W* Series PRO

Powered by the DALI bus
catalog number:
WST-D2 - * Series DALI-2



Wallstation *(wall plate not included)*

Battery | Manual | Scenes | Zones | Wireless | Wired

These line-voltage, battery-powered, and CAT5-wired wallstations are for new or retrofit installations and provide wireless or wired control of the lighting in each area. The wallstation mounts in a standard wallbox. Each wallstation is configurable via software – no physical adjustments are necessary. Battery life expectancy is up to five years. Available in several button configurations and colors.

Line voltage powered (120-277VAC)
catalog number:
WW* Series PRO
WWL* Series LITE

CAT5-Bus Powered
catalog number:
WST-C* Series CAT

Battery powered
catalog number:
WWB* Series PRO
WWBL* Series LITE



Touchscreen

PoE Powered | Light Control | Architectural Design

The WaveLinx Touchscreen Wall Controller (TSC-E-7) provides an elegant and discreet light control for any WaveLinx controlled space. The portrait-oriented 7" [17.8cm] touchscreen features a low-profile design with edge-to-edge glass and an extremely responsive display making it a great architectural addition to conference rooms, executive offices and open spaces.

catalog number:
TSC-E-7 - 7" Touchscreen



Accessories



Contact Closure Input Module

Connectivity for Non-WaveLinx Devices | Dry Contact Inputs
Momentary and Maintained Inputs

The Contact Closure Input module is a low-voltage device that interfaces and provides network addressability for a variety of devices outside the WaveLinx network. The CCI module behaves as an input device that detects a maintained or momentary dry contact closure switch.

catalog number:
CCI-C-V - CAT Contact Closure Input Module
CCI-P-V - PRO Contact Closure Input Module
CCI-L-V - LITE Contact Closure Input Module



Sensor Interface Module

Connectivity | Network Addressability

Offers connectivity and network addressability to various Greengate dual-tech sensors. Sensors are powered by the SIM module and offer limited configurability for sensor parameters through the WaveLinx CAT mobile app.

catalog number:
SIM-C-V - CAT Sensor Interface Module



Bluetooth Programming Interface Module

Secure Pairing | Device Configuration

The Bluetooth Programming Interface module allows users to program a space by enabling data exchange between the CAT devices and the WaveLinx CAT mobile app. The BPI communicates with other CAT devices, via CAT5 cable, through its two RJ-45 connectors. It has a Bluetooth Low Energy (BLE) Radio Module that securely pairs with a mobile device when within range. Once connected, users can use the WaveLinx CAT application to identify themselves and configure devices within that area.

catalog number:
BPI-C-L - CAT Bluetooth Program Interface



Unmanaged Networked Switch

PoE Power Supply | Data Communication

Unmanaged network switch provides power and data from a single CAT5 or 6 cable to devices such as WaveLinx Area Hub, WaveLinx Area Controller, and WaveLinx Touchscreen.

catalog number:
GS308PP - Unmanaged Network Switch

Accessories



DALI Field Relay

Provides ON/OFF control of lighting and/or receptacles

Wavelinx DALI Field Relay provides On/Off Control of lighting and/or receptacles with Universal input voltage (120-347VAC) and network connectivity in order to conserve energy and effectively manage the lighting system. The Field Relay uses advanced switching technology specifically designed to handle the large in-rush currents and inductive loads found in lighting applications.

catalog number:
FRS-DA - DALI Field Relay, Single pole, single throw, 20A latching relay, 120/277/347V



DALI Digital to Analog Converter

Built-in latching relay | 0-10V current sinking interface

The Digital to Analog Converter (DAC) is a lighting control device used to control any standard 0-10V current sourcing dimmable ballast/driver. It allows dimming control by sending 0-10V dimming and on/off commands to the 0-10V controllable luminaire via the WaveLinx DALI Bus.

catalog number:
DAC-DC1 - DALI Digital to Analog Converter - wiring exits with line voltage wiring for Class 1 installations of the two wire communications bus.
DAC-DC2 - DALI Digital to Analog Converter - wiring exits with line voltage wiring for Class 2 installations of the two wire communications bus.



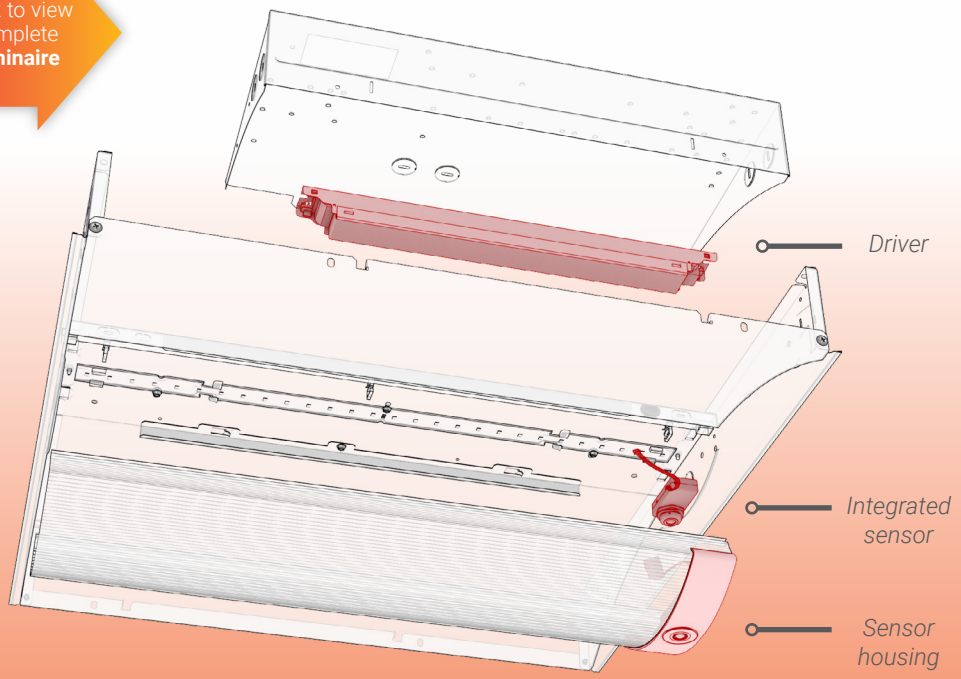
Connected luminaires simplify the design and installation of a digital lighting system by eliminating the need for individual dimming switchpacks and sensors and the extensive wiring typically required to power and connect these devices.

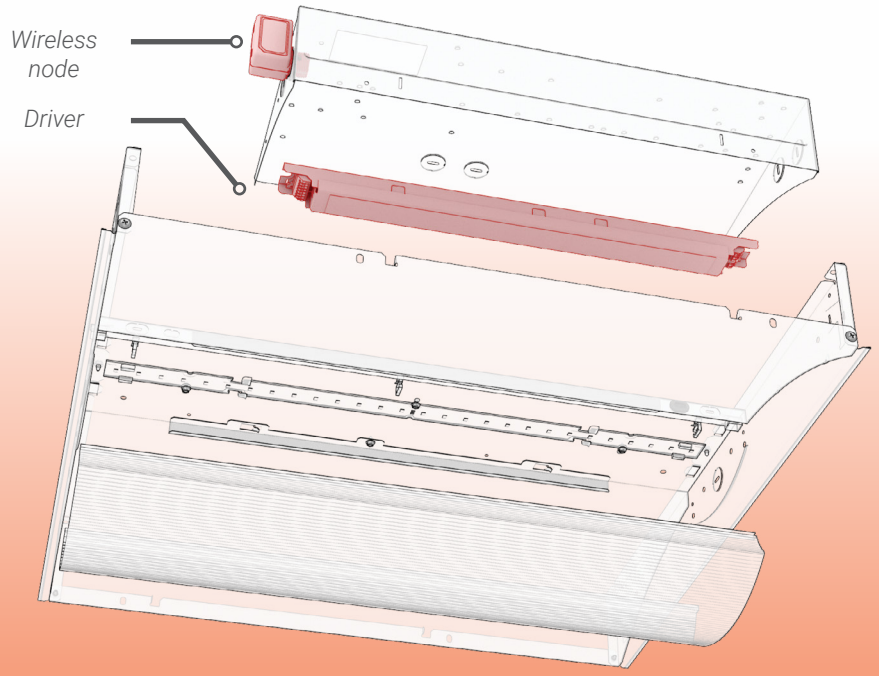
WaveLinx-enabled Luminaires

Cooper Lighting Solutions offers a broad portfolio of WaveLinx-enabled luminaires with embedded control devices (wireless sensor and wireless node). These factory-tested luminaire-level lighting control (LLLC) fixtures reduce the need to install additional sensors on the ceiling and switchpacks above the ceiling. These WaveLinx-enabled fixtures also:

- Eliminate the need to do sensor or switchpack layouts.
- Simplify installation by removing the need to run 0-10v dimming wires between fixtures.

Click to view complete **luminaire**





Wireless Sensor

WaveLinx PRO and LITE sensors fit discretely in a luminaire for luminaire-level lighting control (LLLC). Fixtures can be connected without the need for dimming or control wires to run between fixtures.

Wireless Node

The WaveLinx PRO and LITE wireless node offers individual wireless fixture control without compromising the aesthetics of their preferred Cooper Lighting Solutions fixture.

Stand-alone occupancy and daylighting sensors are available to support each respective functionalities in combination of the luminaire wireless node.



Integrated Sensor

Sensing | Daylight | Wireless

Contains a wireless radio, 0-10V communication interface, motion detector (PIR), daylight sensor (photocell), and an AUX input to be powered by driver auxiliary power outlet. It delivers luminaire-level lighting control (LLLC).

catalog number:
WPS/WAA - PRO Sensor for connected rooms/spaces
WLS/WAB - LITE Sensor for single rooms/spaces



Wireless Node

Fixture Control | In-fixture Installation | Wireless

An ideal solution for designers who want to offer individual wireless fixture control without compromising the aesthetics of their preferred Cooper Lighting Solutions fixture. Available for both LITE and PRO solutions, the node enables luminaire-level lighting control (LLLC) where there is limited room for integrated sensors – with downlights or linear fixtures, for example. When utilized in the WaveLinx PRO configuration, the node has two 0-10v output channels to provide standard static white and VividTune® tunable white fixtures; one output channel controls a fixture's intensity while the other controls the color temperature. The WaveLinx node provides flexibility in scene and zone configuration and can be used in conjunction with other WaveLinx devices such as PRO ceiling sensors, WaveLinx enabled luminaires with integrated sensors, and WaveLinx wallstations.

catalog number:
WPN - PRO Wireless Node without sensor
WLN - LITE Wireless Node without sensor

Lighting products

Architectural | Ambient | Recessed

WaveLinx-enabled luminaires offer an intelligent, simple way to meet application requirements. You can be confident they will:

- Support integrated or tile mount connected sensors for occupancy tracking and daylighting.
- Provide service that's designed and tested to provide guaranteed compatibility.
- Eliminate the worry of controls and luminaire integration.
- Luminaires may also be ordered with DALI-2 drivers.



For a complete list of compatible products, see:
cooperlighting.com





Industrial High/Low Bay Sensor

Integrated Sensors | Sensing | Daylighting | Individual | Grouping | Motion

Offers passive infrared (PIR) occupancy with a photocell for closed-loop daylight sensing. The sensors are IP66-rated for warehouse, manufacturing, and industrial spaces, with installation high bay heights up to 40 ft. (45 ft. major motion), low bay up to 15 ft. and coverage up to 5000 sq. ft. Easy toolless fixture connection (Zhaga Book 18 socket) offers out-of-the-box controls functionality. Factory or field install, with 4-pin connector standard. WLS4-HB2 offers 3-pin audio jack style connector.

catalog number:
WPS2 - PRO Industrial Fixture Mount Low Bay Sensor, white, 7 - 15ft (2.1 - 4.5m)
WPS4 - PRO Industrial Fixture Mount High Bay Sensor, white, 15 - 40ft (4.5 - 12.2m)
WLS2 - LITE Industrial Fixture Mount Low Bay Sensor, white, 7 - 15ft (2.1 - 4.5m)
WLS4 - LITE Industrial Fixture Mount High Bay Sensor, white, 15 - 40ft (4.5 - 12.2m)
WLS4-HB2 - LITE Industrial Fixture Mount High Bay Sensor, white, 15 - 40ft (4.5 - 12.2m)











Outdoor Fixture Mount Sensor

Sensing | Daylighting | Individual | Grouping | Motion | Astronomic

High- and low-mounted outdoor sensors offer passive infrared (PIR) occupancy, with a photocell for closed-loop daylight sensing. IP66-rated for outdoor site and indoor environments. Installation heights up to 40 ft. and coverage up to 5000 sq. ft. Easy toolless fixture connection (Zhaga Book 18 socket) has out-of-the-box functionality. Color options: white, black, or bronze. Factory or field install, with 4-pin connector standard.

catalog number:
WPS2xx - PRO Outdoor Fixture Low Mount Sensor, 7 - 15ft (2.1 - 4.5m)
WPS4xx - PRO Outdoor Fixture High Mount Sensor, 15 - 40ft (4.5 - 12.2m)
WLS2xx - LITE Outdoor Fixture Low Mount Sensor, 7 - 15ft (2.1 - 4.5m)
WLS4xx - LITE Outdoor Fixture High Mount Sensor, 15 - 40ft (4.5 - 12.2m)
xx - available in white (WH), bronze (BZ), and black (BK)



Wireless Outdoor Lighting Control Module

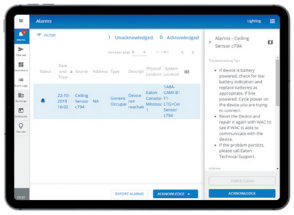
Dimming | Scheduling | Photo sensing

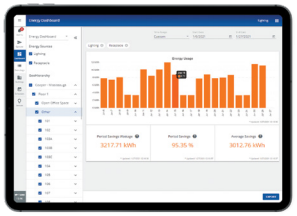
This 7-pin outdoor lighting control module provides ON, OFF, and dimming controls based on astronomic or time schedules based on a 7-day week. Allows you to create multiple control zones.

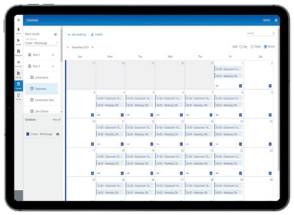
catalog number:
WOLC-7P-10A - Outdoor lighting control module

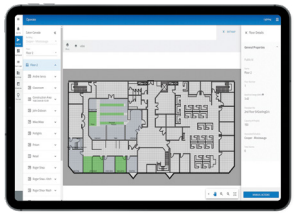
WaveLinx CORE apps

WaveLinx CORE is an on-prem, open integration, smart spaces platform that moves monitoring and processing data to the edge. The result? You gain faster insights into a building's operations, drive more effective efficiencies, and make more informed decisions.









Alarms and Events with Smart Tips

Get alerts for outages and other system health issues so you can address them with minimal disruption. Smart Tips also provides time-saving suggestions for resolving issues.

Energy Dashboard

Analyze historical usage data across multiple areas, floors, buildings, and sites to visualize where you're using the most energy and identify areas for improvement.

Schedules

Use the CORE intuitive scheduling interface to manage lighting and controlled receptacle schedules for one or more buildings – all from a central location.

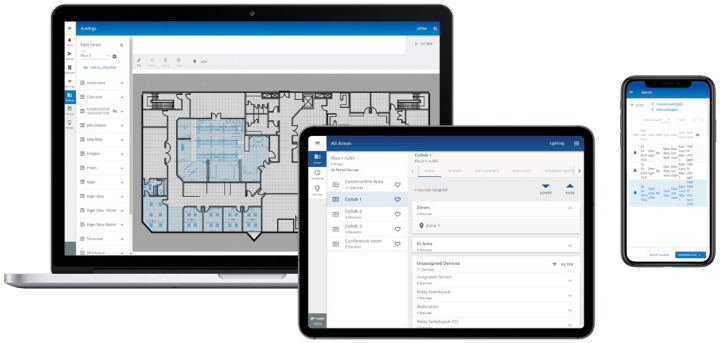
Operate

Lighting control is at your fingertips. Monitor devices, update dimming schedules, send light control commands, and much more – across buildings, floors, and areas.

IEC 62443-4-1 and 62443-4-2 CERTIFICATION

WaveLInx CORE Pro, Enterprise, and Virtual are IEC 62443-4-1 and IEC 62443-4-2 certified.

Certifications have been independently performed by Dekra, an IEC accredited cybersecurity lab.



Smart Spaces Platform Applications

Lighting | Asset Tracking | API | BACnet

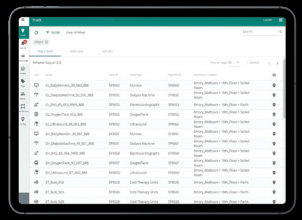
The CORE Lighting Application helps facility/property managers maximize the benefits of IoT by connecting WaveLinx PRO with other building systems using BACnet and Public API (REST). WaveLinx solutions include alarms with Smart Tips, system events, demand response, platform flexibility, and future readiness.

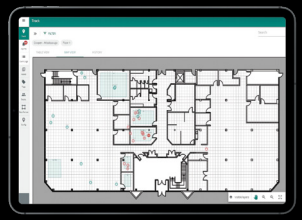


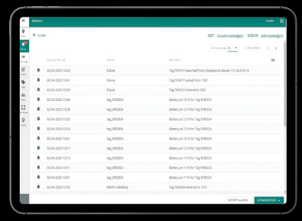
CORE Locate

Real-Time Location System

WaveLinx PRO Integrated Sensor and WaveLinx Locate Application. Together, they monitor and manage critical assets equipped with BLE tags.









Asset Tracking

Know where your assets are by quickly locating them on map or tabular view. Reduce your search time for critical equipment by more than 90%.

Geofencing

Get real-time notifications when a location-based condition associated with a geo-fence is met. Easily create and manage geo-fence.

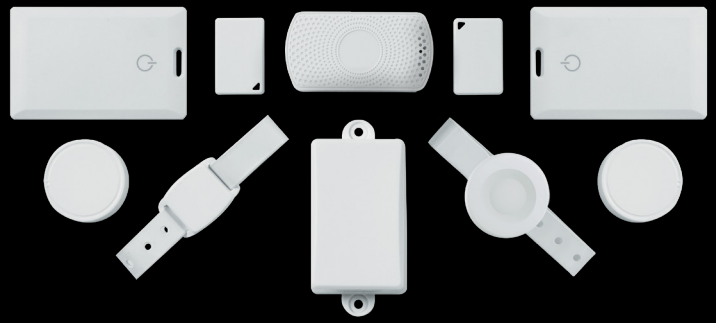
Alarms

Get instant notifications when something needs your attention—like an asset exiting or a fridge exceeding the upper-temperature limit—based on business rules you create. Quickly see where the situation is located within your floorplan and respond immediately.

Asset Tags

CORE Locate offers a range of tag options, from personal and asset tags to using your mobile device as a virtual tag, all configurable by mobile app.

For a complete list of CORE Locate Asset Tags, see:
cooperlighting.com



CORE Insights

Occupancy Dashboard

Preconfigured dashboards make it easy to analyze the data from occupancy sensors and optimize building space utilization.

Out-of-the-box dashboard and reports

Ready-to-use, scalable, multi-site dashboards are available on-prem and on the cloud – giving you aggregated and detailed occupancy metrics at enterprise, site, building, area, and room level.

Floorplan visualization

Access enterprise hierarchy, charts, and other representation to quickly view average area occupancy, compare trends, and real-time occupancy at site, building, and floor level.

Quickly navigate

Go from enterprise level to site, area, and room level instantly to monitor key performance indicators for real-time occupancy utilization and occupancy trends. Desktop-, mobile-, and kiosk-compatible. Includes intuitive bar/line chart views.

Identify your most and least used spaces

View area occupancy across your real-estate portfolio, from most used (>70%) to least used (< 30%), by department, space type, building, and floor.



WaveLinx
Digital Lighting Control Solutions

We offer:

Field Project Design Services

Pre-commissioning Support

Field Project Startup

Verification Walkthrough

Optimization Services

Service and Support

A WaveLinx system creates incredible value, from the cost savings of occupancy detection to the flexibility and power of scheduled lighting control.

To maximize the return on your lighting system investment, your WaveLinx system must perform at its peak.

We can help. With a network of experienced and skilled control specialists and a national presence, we can help with everything from system design, quote, implementation, and on-going maintenance.

Service Plans

Service Plans offer proactive, onsite, and remote diagnostics, configuration changes, training, and software/firmware updates typical of maintaining lighting control systems. Service Plans help facility managers and owners maintain their investment for optimal performance and maximum value.

- Prepaid, budgeted services, with coverage options for planned and unplanned visits.
- Fully customizable to meet your unique requirements
- Optimize your system as your building needs evolve
- Our Service Plans are available in single or multi-year arrangements and are customized to fit your exact needs. Cooper Lighting Solutions has two Service Plans designed to fit your service requirements and budget.





Support

The services and support team simplifies design and specification. We're committed to supporting your project needs from design to occupancy and beyond.

Technical Support:

Phone: **+1 (800) 553-3879 (24/7 Support)**

Email (US)**: controltechsupport@cooperlighting.com**

Why Cooper Lighting Solutions?

At Cooper Lighting Solutions, we build forward-thinking lighting solutions that make people's lives safer, while making buildings, homes, and cities smarter and more sustainable. We deliver an industry-leading portfolio of residential, sports, infrastructure, industrial, and commercial LED lighting; plus lighting controls and smart lighting systems.

We question, we seek, and we solve. Because building a better world means asking tough questions and pushing harder for answers. Together with our customers, we create solutions that build a better world. At Cooper Lighting Solutions, we push past the ordinary to build brighter.

Cooper Lighting Solutions is a business unit of Signify, the world leader in lighting. Together we have a shared purpose to unlock the extraordinary potential of light for brighter lives and a better world.

COOPER Lighting Solutions

a signify business



Lighting Brands

Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
HALO
HALO Commercial
Invue
iO
Iris
Lumark
LumarkAP
Lumière
McGraw-Edison
Metalux
MWS
NeoRay
Portfolio
PrentaLux - 3D Printed Lighting
RSA
Shaper
Streetworks
Sure-Lites

Controls Brands

Greengate
Fifth Light
Intelligent Lighting Controls

Connected Lighting Systems and Smart Spaces Platform

WaveLinx
Trellix

SCAN
for more
WaveLinx
information

COOPER Lighting Solutions
a signify business

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