WaveLinx
Wireless
Connected
Lighting
System
WaveLinx Wireless Connected Lighting System

EATON POWER
Unparalleled knowledge of electrical power management

LIGHTING
Advanced LED fixtures

CONNECTIVITY
Communications & sensing technology
Physical devices & controllers
Edge computing

SOFTWARE
Software applications
Data accumulation & analysis

Take compliance, network security, and energy savings into your own hands
Automatic code compliance. Seven tiers of information security features. Integrated wireless sensors to collect and transmit key building data. And, the ability to control your system from a mobile app.
It's simple: WaveLinx just works.

Connected Lighting simplified by Eaton
Say goodbye to the high costs and complexity of typical addressable control systems

WaveLinx is designed for plug-and-play connectivity, for either stand-alone or building network applications.

**Stand-Alone Installation:**
For smaller office spaces within a larger building.
- IT setup not required
- Scalable to join larger network
- Set up and manage the system via mobile app

**Network Installation:**
For entire building connectivity.
- Smart building ready
- Simple configuration
- Security features for peace of mind

**Flexible, turnkey installation**

www.eaton.com/WaveLinx
For many WaveLinx applications, installation is so simple, it’s not even necessary to involve IT.
Technology
Industry-leading technology, in a simple package

WaveLinx out-of-the-box functionality provides the fastest control confirmation on the market. It’s also one of the easiest lighting systems to install and manage. WaveLinx is the designer and contractor choice for offices, medical buildings, educational facilities, and more.

**Save on installation time and cost**
WaveLinx is designed to get you up and running faster. In some cases, it’s not even necessary to involve IT.

**Reduce commissioning time**
The commissioning process doesn’t need to cause headaches or hang-ups. The WaveLinx built-in features reduce the time by 40% or more.

**Collect key building data**
Integrated sensors on the light fixtures gather real-time building data, so you can make more informed decisions and save energy.

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**Wireless, code-compliant, and cost-effective for today**

- **Lighting fixture with integrated sensor**
  - Highly efficient LED fixtures

- **Wireless Area Controller**
  - Provides centralized coordination of multiple area control options

- **Wireless Wall Station/Receptacle**
  - Provides wireless control of multiple and local areas

- **Mobile Applications**
  - Provides personalized, local control from a tablet or smartphone

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**energy savings**

- **ASHRAE 90.1 2016 - 70%**
- **IECC 2015 - 55%**
- **T24 2016 - 70%**

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Automatic code compliance?

Yes, it’s true

No more waiting weeks for commissioning teams, code compliance hang-ups or missed opportunity costs. With WaveLinx, you can finish the job more quickly, and move on to the next.

- Automatic code commissioning meets or exceeds code requirements
- Wireless integrated sensors ensure maximum efficiency
- A simple mobile app allows building managers to easily adjust settings, even after the project has finished, with no need to go back into the wall
- Connected fixtures provide a platform for future scalability

WaveLinx reduces project commissioning time by 40% or more
LEDs on double-duty

With IoT technology, your lights are more than lights – they’re a gold mine for building information. Make better decisions with real-time, actionable data. View key building information and optimize your zone settings, all from the mobile app:

- Occupancy/vacancy control lets you fine tune occupied light level and partial ON/OFF requirements
- Closed loop daylighting helps you harness your space’s natural light, and meet code requirements
- Multicolor LED status lights allow for easy system troubleshooting and diagnostics

Imagine if your lighting system helped you get off the job faster with controls and lighting that just work
Multi-tiered security for ultimate peace of mind

With information security threats and fears on the rise, WaveLinx is designed to keep your data on lockdown with seven tiers of security.
Physical barriers to entry
The WaveLinx server sits in the ceiling, and hidden from view

Customer security
NIST Cybersecurity Framework and industry best practices

Device security
Features 128-bit encryption device-to-device communication

Network security
Secure HTTPS protocols and WPA2 technology

Network segmentation
Isolated targets mean much smaller potential for large scale breaches

Over-the-air updates
Wireless technology allows your system to securely stay up-to-date

Eaton COE assurance
Continuous monitoring and reporting of internet threats and vulnerabilities
Control and efficiency, at your fingertips

Next-level convenience and control: configure zones, customize settings, and save energy from one secure mobile app.

- Easy, automatic code commissioning provides a sequence of operations that meets the strictest codes
- Adjust automatic settings, with the ability to configure each setting yourself
- View occupancy/daylight data from sensors, and implement demand response to save money
Control devices

Precise control. Wireless communication.

Wireless Area Controller
The Wireless Area Controller (WAC-POE) is the main component of the Eaton WaveLinx Wireless Connected Lighting System. The WAC coordinates between the WaveLinx Mobile App and various WaveLinx devices to create a smart building ecosystem that provides out of the box functionality and leverages our patent pending automatic code commissioning features.

Integrated Sensor
Sensing | Daylight | Wireless
The integrated sensor combines control within the light fixtures to reduce installation and design time; while meeting energy codes. With the integrated sensor the lighting design is the control design.
Wireless Ceiling Sensor

The room based wireless sensor offers PIR occupancy sensing of up to 1500 square feet. The room based sensor is battery powered and is one of the smallest ceiling mounted room based wireless occupancy sensors on the market. The sensor in combination with the WaveLinx mobile application allows you to gain considerable energy savings from occupancy sensing-based control of lighting and plug loads.

Wireless Wallstation

The wireless wallstation 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 wireless 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.

Wireless Relay Switchpack

The Wireless Relay switchpack with 0-10V (WSP-MV-010) offers 120-277VAC 20amp 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 20amp plug load control.

Wireless Receptacle

The wireless receptacle provides simplified wireless plug load control. Plug load control is required now in many building codes as part of an energy saving control strategy. The wireless receptacle is automatically paired with all WaveLinx occupancy sensors in a space when it is assigned to an area using the WaveLinx Mobile Application.
Lighting products

Eaton’s WCL technology offers an intelligent, simple, easily control of various luminaires to meet application requirements:

- Supports integrated or tile mount connected sensors for occupancy and daylighting
- Designed and tested by Eaton to provide guaranteed compatibility
- Eliminate the worry of controls and luminaire integration

Architectural lighting

For a complete list of compatible products, see: www.eaton.com/WaveLinx
Ambient lighting

Metalux WSL
Linear surface / suspended series WaveStream LED

Metalux SkyRidge
Recessed ambient WaveStream LED

Metalux Encounter
Recessed ambient WaveStream LED

Metalux Cruze
LED recessed ambient

Metalux SkyRidge
Recessed ambient WaveStream LED

Metalux Arcline
Architectural recessed ambient

Metalux FR
LED recessed ambient

Recessed lighting

Halo PD6
LED recessed downlight

Portfolio LDSQA4A
LED square adjustable accent/slope

Portfolio LD4A and LDSQ4A
Round and square recessed downlight

www.eaton.com/WaveLinx
Get started.

Eliminate the cost and complexity of typical addressable control system commissioning and benefit from a flexible reconfigurable wireless topology with WaveLinx.
What is Connected Lighting?
Eaton’s portfolio of connected lighting solutions leverages the real-estate of the physical light fixture to increase building, business and community operating efficiency through controls and data. With connected lighting solutions, we go beyond controlling light to solve higher complexity problems enabled by sensing and communication capabilities within the light fixture itself.

With innovation you can rely on, and connections you can build on; that’s how Eaton makes connections work*
Lighting Product Lines
- Halo
- Halo Commercial
- Portfolio
- Iris
- RSA
- Metalux
- Corelite
- Neo-Ray
- Fail-Safe
- MWS
- Ametrix
- Shaper
- io
- Lumark
- McGraw-Edison
- Invue
- Ephesus
- Lumière
- Streetworks
- AtLite
- Sure-Lites

Controls Product Lines
- Greengate
- iLumin
- Zero 88
- Fifth Light Technology
- iLight (International Only)

Connected Lighting Systems
- LumaWatt Pro
- WaveLinx
- Distributed Low-Voltage Power
- ConnectWorks