## WaveLinx CORE

Smart Spaces Platform for Office | Education | Healthcare

Collect. Analyze. Exchange.

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cooperlighting.com

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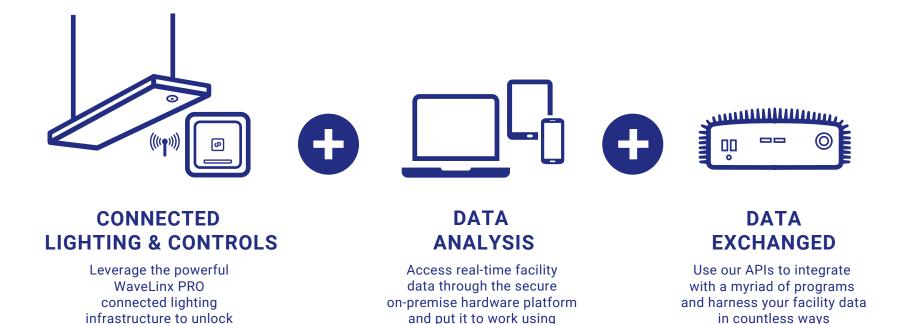
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Average Serings @ 3012.76 KWh T

# WaveLinx CORE

# Collect. Analyze. Exchange.

WaveLinx is a smart spaces platform designed to help building owners improve operational efficiency, offer optimized experiences to the occupants, and create a healthy well-being environment.



WaveLInx Smart Spaces applications

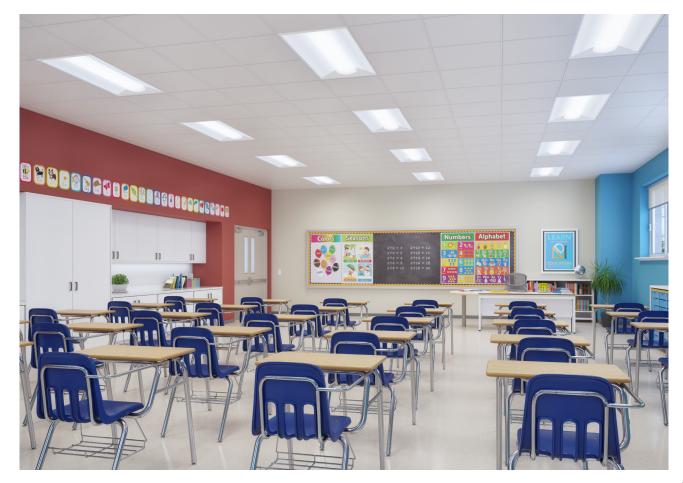
location-based services

VaveLinx COR

# **Smart Spaces Platform**

## No building infrastructure is better positioned to collect valuable data than your lighting system.

WaveLinx CORE collects and analyzes the real-time data to provide actionable information that is used to improve operational efficiency, enhance occupant experience and promote wellbeing.



## YOUR DIGITAL TRANSFORMATION STARTS HERE

### A Powerful Answer to Complex Challenges

Propel your operations into the here-and-now and stay on the leading edge. WaveLinx CORE is an investment that helps you not only modernize, but future-ready your facility.



Energy Savings Reduce energy consumption in inderutilized areas

### **Operational Efficiency**

DIGITAL **(••••** 



Real-Time Notification: Proactively manage equipment and device health

cations Workplace Optimization anage Monitor occupancy and to improve th space usage

Occupant Experience



Real-Time Locating System (RTLS) Improve security and efficiency by locating people and assets



Workspace Environment Allow occupants to personalize lighting and more



 Enhanced Security
 Space Management

 Detect intrusions by
 Streamline conference

 sending real-time data to
 room booking with apps

 your security system
 and digital signage



Tenant Experience Help tenants connect to the spaces and services offered in a facility



## UNLOCK THE POWER OF REAL-TIME DATA

WaveLinx CORE transforms the WaveLinx PRO wireless connected lighting system into an open IoT infrastructure, allowing facilities to harness the data collected from integrated sensors for countless operational improvements – from saving energy to tracking equipment and assets. WaveLinx CORE also integrates seamlessly with a host of third-party applications, making potential use cases virtually limitless.

## Cybersecurity Listed Networked Lighting Controls

WaveLinx CORE Pro, Enterprise and Virtual are IEC 62443-2 certified.

IEC 62443-2 CERTIFICATION

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

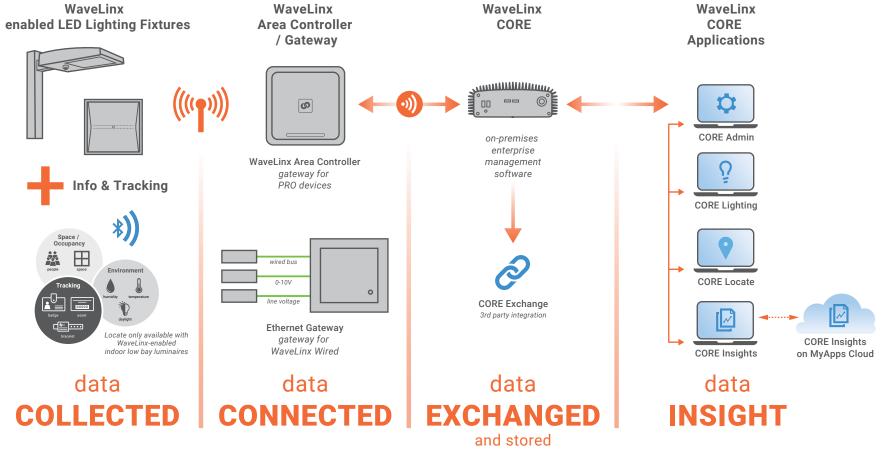
# COLLECT

WaveLinx CORE is an on-premises IoT appliance used for lighting devices management, data collection, processing and visualization for your smart space solution.

CORE edge offers a robust set of tools, applications and microservices including:

- Data visualization
- Device registry and management
- Data aggregation and data management
- Connectivity and message routing
- Event management
- User management
- Data security

It takes many interconnected features to create a secure, flexible, highly-functional smart spaces platform.





# ANALYZE

## With WaveLinx CORE, powerful information is at your fingertips and ready to use.

Put your data to work with built-in applications: For more information on the CORE apps, see pages 10-13

**CORE Admin** 

Manage systems, users, licenses, and more

#### **CORE Lighting**

Take control of your lighting to create energy-efficient spaces

## **CORE** Locate Locate assets in real-time and

analyze their movements

#### **CORE Insights**

Monitor space usage to increase workplace effectiveness.









WaveLinx CORE enables data exchange with third party system via industry standard IoT protocols and building automation interfaces. Developer and system integrators can use these interfaces to readily access the valuable data generated by the connected luminaires and the sensors.

#### **BACnet<sup>®</sup> / IP Interface**

Public (REST) API

#### **OpenADR Interface**

Demand Response participation.

# EXCHANGE

Enables the integration between the WaveLinx PRO systems and any BACnet compatible Building Automation System (BAS).

Provides a secure programming interface that enables third-party IoT platforms to take control of WaveLinx PRO's connected devices.

Allows WaveLinx PRO users to take advantage of utility company incentives by automating

## Leverage the data gathered by WaveLinx CORE

## CORE **ADMIN**

Manage the core components and microservices required for a fully functional smart spaces platform.

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	DRUser	NA	Trelix Lighting	Demand Response
	Facman	N/A	Trelix Lighting	Facility Manager
	ITAdmin	NUA	Trefix Lighting	IT Administrator
	Mile	NA	TrellX Lighting	Facility Manager
	Public	N/A	Trelix Ughting	Third Party Integration
	rsalem	roysalem@eaton.com	Trelix Lighting	System Administrator
	samid	NA	Treflix Ughting	System Administrator
	Tenant	NA	TrefUX Lighting	Tenant
	Test	NA	Trelix Lighting	System Administrator
	Viewer	NUA	Trellix Lighting	Viewor

#### **Systems**

Perform system back-ups, restore OS/services, manage your email server, and access firewall and interface settings - all from one location.

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Manage user accounts, responsibility "zones" within the building, roles, and application permissions.

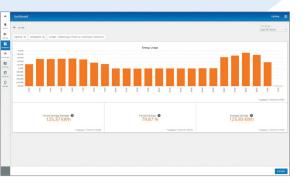
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#### **Demand Response**

Take advantage of utility company incentives by participating in ongoing Demand Response (DR) programs.

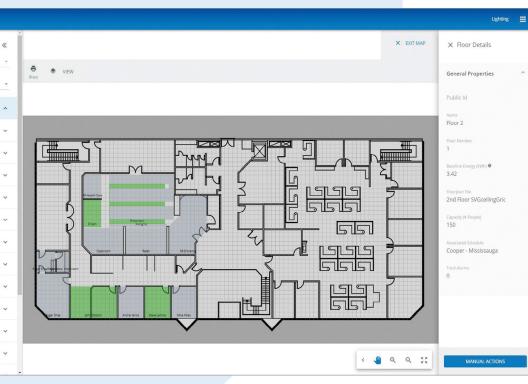
Manage multiple applications with CORE Admin.

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## **Streamlined Control**

and much more.



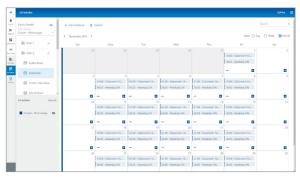
## CORE LIGHTING

Take complete control of your lighting across multiple floors, buildings, and even multiple sites to save energy and ensure code compliance.

#### **Energy Dashboard**

Robust historical data lets you visualize energy usage and identify areas for improvement using historical data.

From one fixture to the entire building, lighting control is at your fingertips. Monitor devices, update dimming schedules, send light control commands,



### Schedules

An intuitive scheduling interface lets you manage lighting and controlled receptacle schedules for one or more buildings, all from a central location.

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### Alarms and Events with Smart Tips

Receive alerts about outages and other system issues to minimize disruptions, automate routine health system checks, and get timesaving "Smart Tips."

# CORE LOCATE

Monitor people, assets, and environments with precision using sensing and beacon technology and a powerful, user-friendly app.



#### **Monitor, Track and Manage**

Interactive maps and tables with rich search features allow users to locate assets or people guickly and view their status and conditions in real-time.

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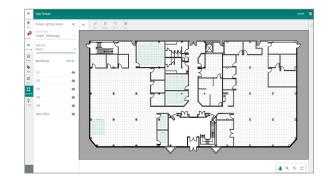
## **Asset Tracking**

With a map or tabular view, you can pinpoint assets' exact locations in your building and drastically reduce time spent searching for them (by 90%).

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#### Alarms

Set custom business rules to get instant alerts when something needs your attention-like a person in an unauthorized area or a temperature exceeding the limit.



#### Geofencing

Create virtual boundaries ("geofences") on your floor plan to set location-based rules and alerts.

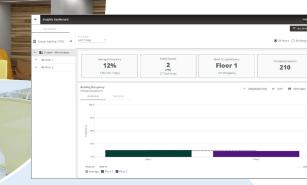




The CORE

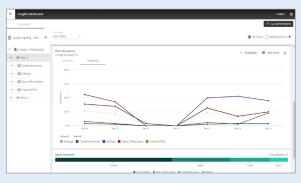
## CORE INSIGHTS

Analyze the data gathered from occupancy sensors to optimize the building space utilization with pre-configured dashboards.



## Out-of-the-box dashboard and reports

Ready-to-use scalable multi-site dashboards available on-premises. The dashboard and reports provide aggregated and detailed occupancy metrics at enterprise, site, building, area, and room level.



#### Quickly navigate

From Enterprise level to site, area, and room level to monitor key performance indicator for real-time occupancy utilization and occupancy trends. Desktop, mobile and kiosk compatible and intuitive chart views - bar/line.



## **Floorplan visualization**

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



## 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.

Insights solution can lead to as much as **30%** improvement in space utilization and 15% increase in employee productivity.

## **COMMERCIAL OFFICE** solutions

Improving occupant experience and reducing operational costs may seem like competing goals, but with more robust facility data and the right tools, you can achieve both.

Space Usage & Traffic Flow. Improve workplace ergonomics and save energy with a complete view of how, when, and where people move throughout your office.

**Workplace Analytics.** Improve the employee experience and sharpen your customer focus by gaining a dynamic view of collaboration patterns.

Asset Monitoring. Safequard valuable assets by pinpointing their exact locations in the building and receiving alerts when something's not right.

**Continuous Improvement.** The longer you collect and analyze real-time building data, the more you'll be able to optimize for the long term.







Real-time indoor location for mobile devices and equipment

Monitor and maintain equipment in real-time





Workspace optimization and employee workflow based on occupancy



Long-term workplace analytics including space utilization and team dynamics

Real-time room

level occupancy and location of

mobile devices

## Improve your workspace for today.



irregularities.

- user interface.

  - Create area scenes and schedules to shift mood and perception of the space through the day
  - Allows users to control, set levels for and tune individual lights from a graphical floor plan



Staff and student safety

## **EDUCATION** solutions

When it comes to school safety, visibility is critical. Gain peace of mind with real-time data and immediate notifications of threats or

**Facility Management:** Manage the lighting system through a single

• Respond to the change in light level requests guickly and easily

Staff, Student and Visitor Safety: Know the exact location of staff, students and visitors at any point in the facility for easy evacuation

- Send custom emails and text notifications
- Know when students leave the building and view their location in parking lots and garages
- Get notified immediately when visitors enter unauthorized areas

Asset & Environment Security: Improve safety, wait times, quality of care and more by understanding your building's patterns.

• Ensure valuable equipment and electronics don't leave school property without authorization

• Get notified when refrigerator or medication cooler temperatures fall outside of ideal thresholds



Real-time notifications



Visitor

location

awareness



## • When it comes to school safety, visibility is critical.

That's where WaveLinx comes in.

## **HEALTHCARE** solutions

Offering wearable IoT tags and devices, intuitive web-based software, and a robust location engine, WaveLinx CORE is ideal for medical settings.

Manage Medical Equipment. Time spent searching for equipment is time that should be spent with patients. Find it fast using CORE Locate.

Monitor Lab Temperatures & Conditions. Manual temperature logging is time-consuming and costly. Instead, set custom alerts around storage facility temperatures and other environmental conditions.

**Optimize Patient Flow.** Improve safety, wait times, quality of care and more by understanding your building's patterns.

**Improve Hygiene.** Reduce costly, hospital-acquired infections with better tracking and real-time hygiene reminders for staff and caregivers.





and peak

facility usage



Real-time tracking for mobile hospital equipment



real time



Staff workflow and staff availability



Patient safety and patient / staff interaction

Asset utilization





#### Did you know...

Nurses lose up to 15% productivity searching for equipment

# WaveLinx CORE Pro Enterprise | BACnet | API Integration

catalog number:



WaveLinx CORE Enterprise / WaveLinx Virtual CORE Enterprise The WaveLinx CORE Enterprise is an on-premise hardware platform hosting CORE software applications. They network up to three-hundred (300) WaveLinx Area Controllers or 32,500 devices, collecting data that can be shared with third party system via BACnet and Public API (REST).

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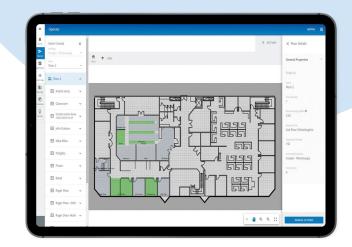
The WaveLinx CORE Pro is an on-premise hardware platform hosting CORE software applications. It networks up to twenty (20) WaveLinx Area Controllers or 3000 devices, collecting data that can be shared with third party system via BACnet and Public API (REST)

TRX-TCPR02 - WaveLinx CORE Pro (supports 20 WACs) Includes: 250 nodes

TRX-TCENT2 - WaveLinx CORE Enterprise Includes: 250 nodes

TRX-TCVRT2 - WaveLinx Virtual CORE Enterprise Includes: 250 nodes

## WAVELINX CORE **SOFTWARE & ON-PREMISES APPLIANCES**



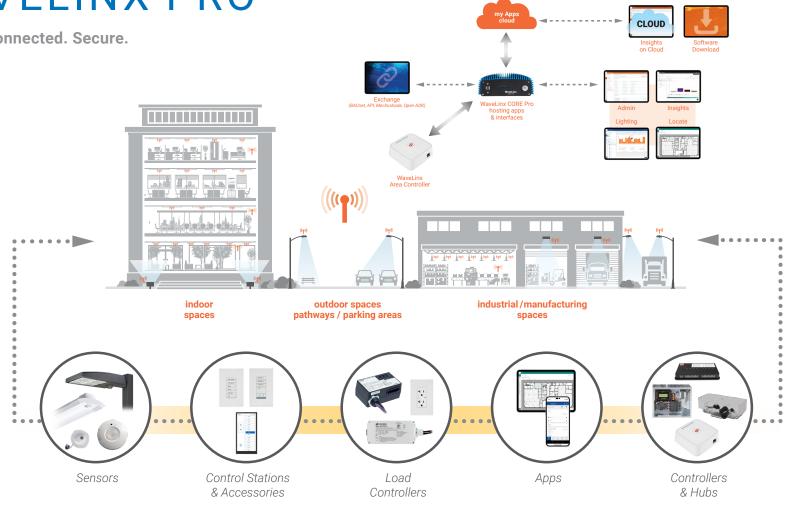
### WaveLinx CORE Smart Spaces Platform applications Lighting | Asset Tracking | API | BACnet

The CORE lighting management software application helps facility/property managers take full advantage of IoT by connecting WaveLinx PRO with other building systems using BACnet and Public API (REST). WaveLinx CORE solutions include alarms with smart tips, system events, demand response, platform flexibility and future proofing.

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

## WAVELINX PRO

Flexible. Connected. Secure.



WaveLinx PRO is a distributed wireless lighting control system that eliminates the need to run control wires to each device, lowering installation costs by up to 40%.

Its flexible design, embedded sensors, and comprehensive portfolio of wireless and low-voltage luminaires, controls, and accessories make it the ideal solution for a host of indoor and outdoor applications, from light commercial to demanding, complex industrial settings.

Easy to spec, design, install, and operate, WaveLinx PRO reduces energy consumption significantly. And when connected, the system can share the aggregated sensor data with the WaveLinx CORE platform and other building systems to improve operations, environment, and tenant experience.

# **Solutions for**

Sustainable efficiency On-site, cloud or hybrid System integrations Technical support Data pipelines Safety and data the modern workforce security Your business is unique, and requires IoT Unmatched Future-ready user control design CORE can deliver on any desired space. Easy System administration integration

## WaveLinx CORE Professional Services

We're here to help you make the most of your WaveLinx system, and ensure successful implementations. Turn to our team for knowledge, expertise and assistance – from working with the CORE Exchange APIs and interfaces to developing data pipelines and making systems talk.

visit WaveLinx Developer Portal

**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 Infrastructure



**SCAN** for more WaveLinx information

Cooper Lighting Solutions 1121 Highway 74 South

1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.cooperlighting.com

Canada Sales 5925 McLaughlin Road Mississauga, Ontario L5R 1B8 P: 905-501-3000 F: 905-501-3172 © 2025 Cooper Lighting Solutions All Rights Reserved Printed in USA Publication No. BR50381823 March 2025 Cooper Lighting Solutions is a registered trademark.

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