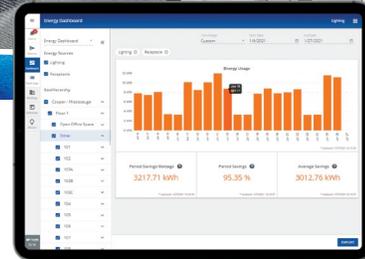


# Trellix

Smart Spaces IoT Platform for  
Office | Education | Healthcare

**Collect. Analyze. Exchange.**

Discontinued  
06-02-2023



# TRELLIX

## Smart Spaces IoT Platform

### Collect. Analyze. Exchange.

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

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

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



#### CONNECTED LIGHTING & CONTROLS

Leverage the powerful WaveLinX Pro connected lighting infrastructure to unlock location-based services



#### DATA ANALYSIS

Access real-time facility data through the secure on-premise hardware platform and put it to work using Trellix Smart Spaces IoT applications



#### DATA EXCHANGED

Use our APIs to integrate with a myriad of programs and harness your facility data in countless ways

Discontinued  
06-02-2023



# 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. Trellix is an investment that helps you not only modernize, but future-proof your facility.

### Operational Efficiency



**Energy Savings**  
Reduce energy consumption in underutilized areas



**Real-Time Notifications**  
Proactively manage equipment and device health



**Workplace Optimization**  
Monitor occupancy to improve space usage



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

### Occupant Experience



**Workspace Environment**  
Allow occupants to personalize lighting and more



**Enhanced Security**  
Detect intrusions by sending real-time data to your security system



**Space Management**  
Streamline conference room booking with apps and digital signage



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



# UNLOCK THE POWER OF REAL-TIME DATA

Trellix 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. Trellix also integrates seamlessly with a host of third-party applications, making potential use cases virtually limitless.

## Cybersecurity Listed Networked Lighting Controls

Trellix 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

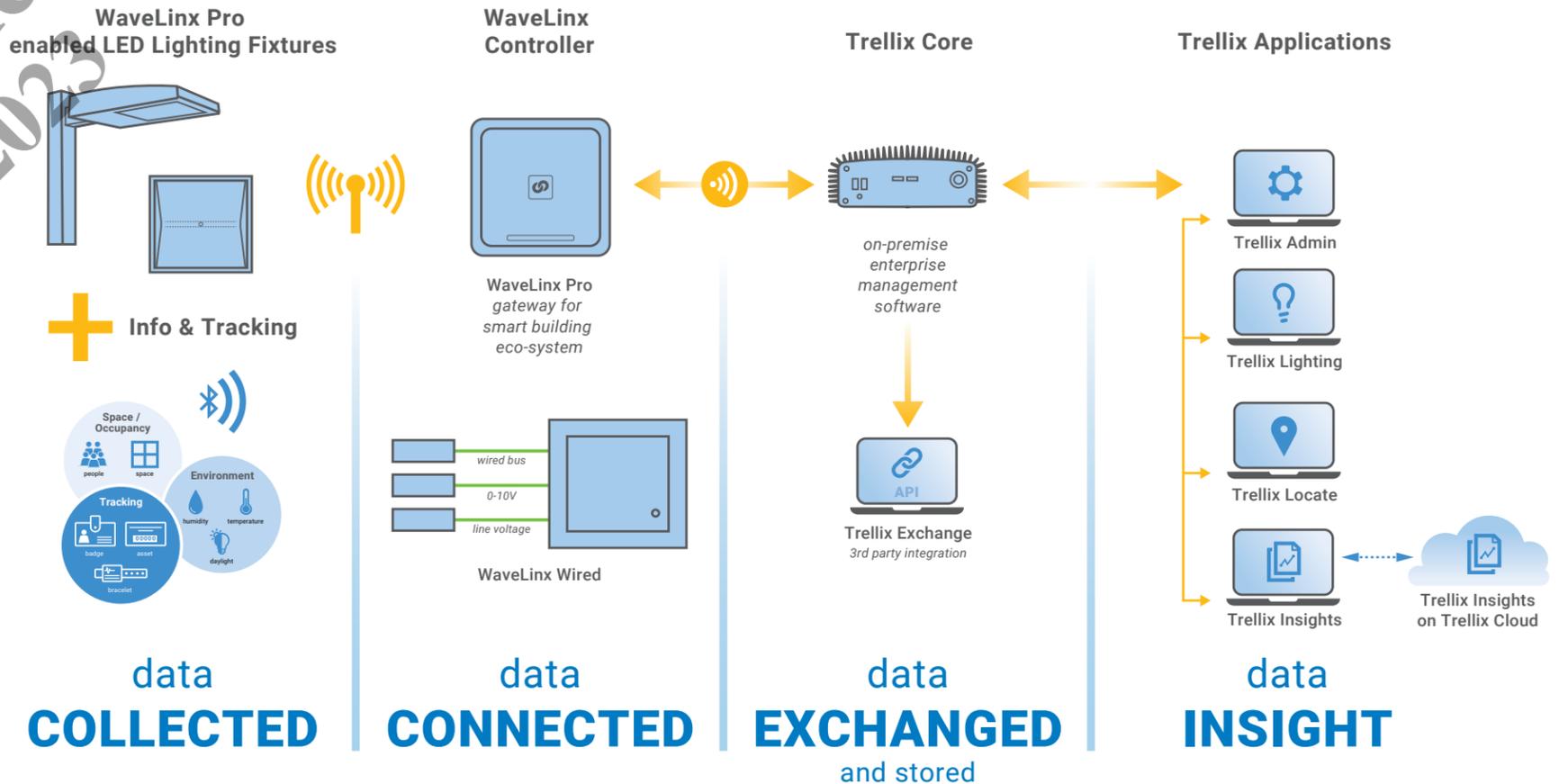
- It takes many interconnected features to create a **secure, flexible, highly-functional IoT platform.**

Trellix Core is an on-premise IoT appliance used for lighting devices management, data collection, processing and visualization for your smart space solution.

Trellix 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

Discontinued  
06-02-2023





# ANALYZE

With Trellix, powerful information is at your fingertips and ready to use.

Put your data to work with built-in applications:

For more information on the Trellix apps, see pages 10-13

### Trellix Admin

Manage systems, users, licenses, and more

### Trellix Lighting

Take control of your lighting to create energy-efficient spaces

### Trellix Locate

Locate assets in real-time and analyze their movements

### Trellix Insights

Monitor space usage to increase workplace effectiveness.



# EXCHANGE

Trellix 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® / IP Interface

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

### Public (REST) API

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

### OpenADR Interface

Allows WaveLinx Pro users to take advantage of utility company incentives by automating Demand Response participation.

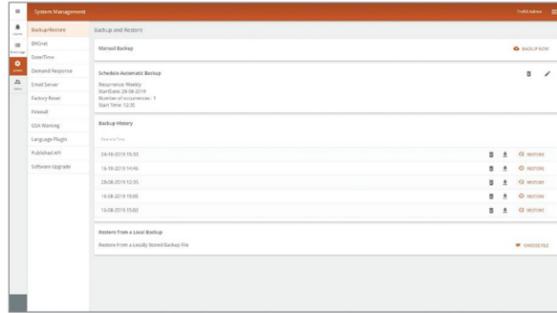
● Leverage the data gathered by Trellix



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06-02-2023

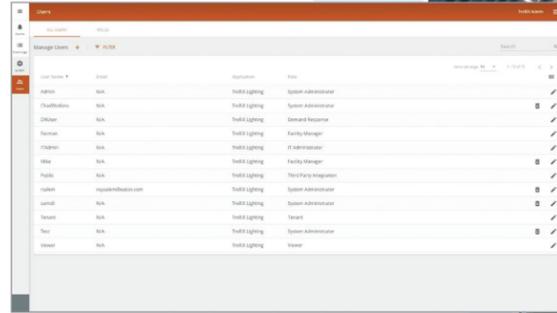
# TRELLIX ADMIN

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



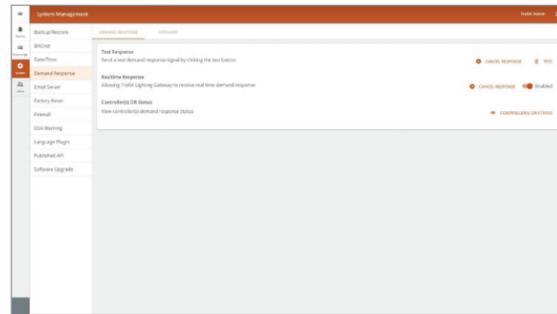
## Systems

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



## Users

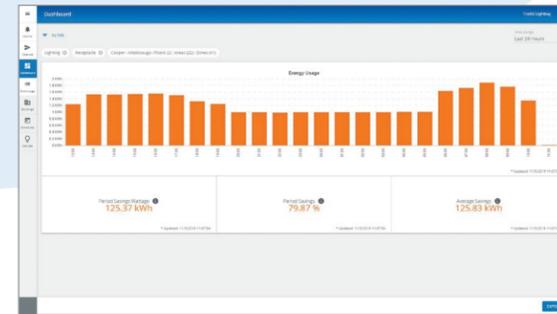
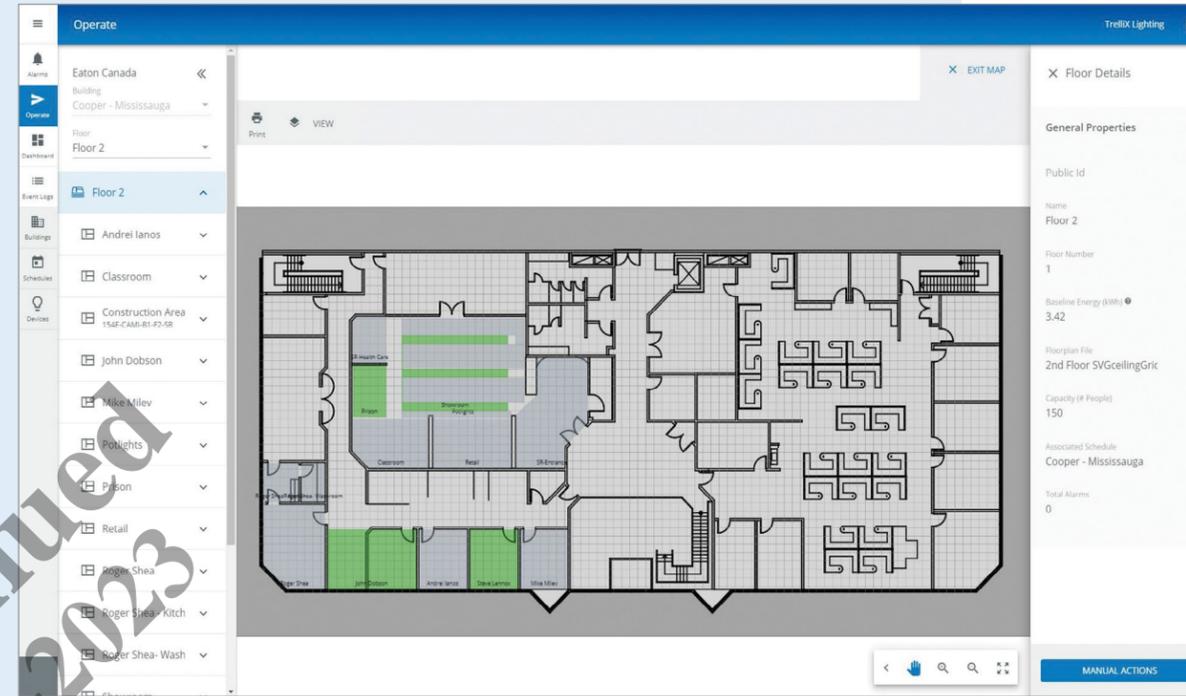
Manage user accounts, responsibility “zones” within the building, roles, and application permissions.



## Demand Response

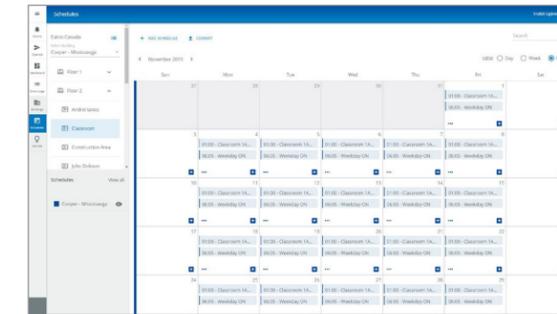
Take advantage of utility company incentives by participating in ongoing Demand Response (DR) programs.

## Manage multiple applications with Trellix Admin.



## Streamlined Control

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



## Schedules

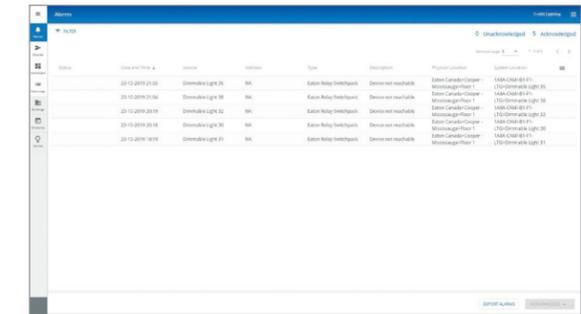
An intuitive scheduling interface lets you manage lighting and controlled receptacle schedules for one or more buildings, all from a central location.

# TRELLIX 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.



## Alarms and Events with Smart Tips

Receive alerts about outages and other system issues to minimize disruptions, automate routine health system checks, and get time-saving “Smart Tips.”

Discontinued  
06-02-2023



## 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.** Safeguard 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.

● Improve your workspace for today.  
*Future-ready for tomorrow.*



Real-time indoor location for mobile devices and equipment



Real-time room level occupancy and location of mobile devices



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



## 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 irregularities.

**Facility Management:** Manage the lighting system through a single user interface.

- Respond to the change in light level requests quickly and easily
- 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, 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



Staff and student safety



Real-time notifications



Visitor location awareness



Environmental and compliance monitoring



● When it comes to school safety, **visibility is critical.**

*That's where Trellix comes in.*

# HEALTHCARE solutions

Offering wearable IoT tags and devices, intuitive web-based software, and a robust location engine, Trellix 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 Trellix 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.



Real-time tracking for mobile hospital equipment



Patient wait times and peak facility usage



Monitor and maintain equipment in real time



Staff workflow and staff availability



Patient safety and staff interaction



Asset utilization



● *Did you know...*  
**Nurses lose up to 15% productivity searching for equipment**



## Trellix Core Pro

Enterprise | BACnet | API Integration

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

catalog number:  
**TRX-TCPR02** - Trellix Core Pro (supports 20 WACs)  
 Includes: 250 nodes

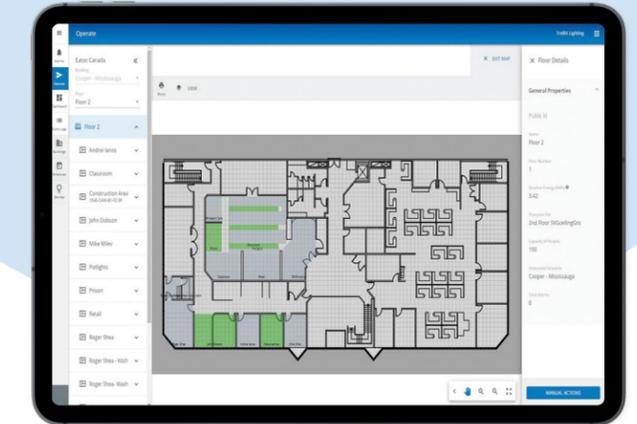


## Trellix Core Enterprise / Virtual Trellix Core Enterprise

The Trellix Core Enterprise is an on-premise hardware platform hosting Trellix software applications. They network up to three-hundred (300) Wireless Area Controllers collecting data that can be shared with third party system via BACnet and Public API (REST).

catalog number:  
**TRX-TCENT2** - Trellix Core Enterprise  
 Includes: 250 nodes  
**TRX-TCVRT2** - Trellix Core Virtual Enterprise  
 Includes: 250 nodes

# TRELLIX SOFTWARE & ON-PREMISES APPLIANCES



## Trellix Smart Spaces IoT Platform applications

Lighting | Asset Tracking | API | BACnet

The Trellix 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). Trellix 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](http://www.cooperlighting.com)

# WAVELINX PRO

Flexible. Connected. Secure.



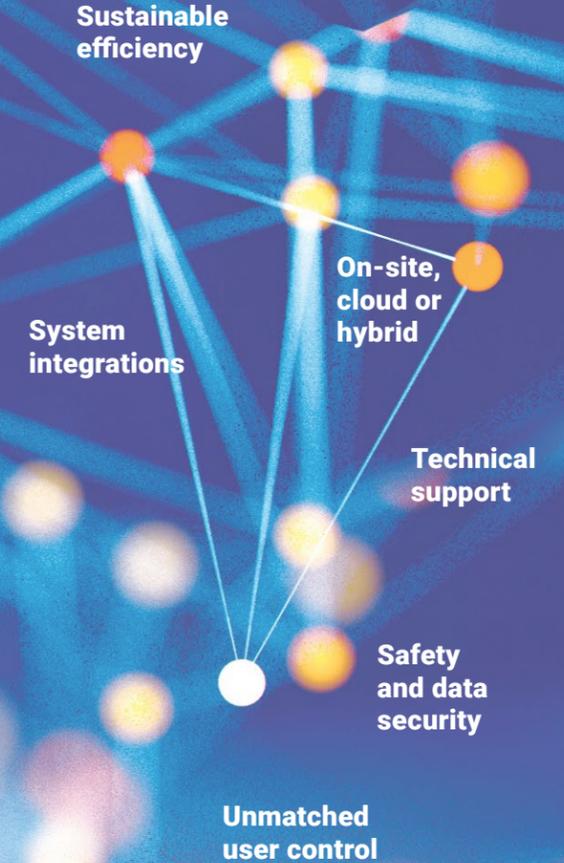
## Solutions for the modern workforce

Your business is unique, and requires IoT solutions for different types of applications. With a wide range of third-party services and endless integration capabilities, Trellix can deliver on any desired space.

## Trellix Professional Services

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

visit [Trellix Developer Portal](#)



Easy integration

Future-ready design

System administration

Data pipelines

Discontinued 06-02-2023

### Lighting Brands

Ametrix  
AtLite  
Corelite  
Ephesus  
Fail-Safe  
Halo  
Halo Commercial  
Invue  
io  
Iris  
Lumark  
Lumière  
McGraw-Edison  
Metalux  
MWS  
Neo-Ray  
Portfolio  
RSA  
Shaper  
Streetworks  
Sure-Lites

### Controls Brands

Greengate  
Fifth Light

### Connected Lighting Systems

HALO Home  
WaveLinx

### IoT Platforms

Trellix



**SCAN**  
for more  
Trellix  
information

**Discontinued**  
**06-02-2023**



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