WaveLinx Lite

Office | Education | Parking Garage

Simple. Secure. Scalable.

Setup - Assign Device

✓	✓	✓	4
Site	Areas	Zones	Assign

Assigned devices to President Office	0 devices	∨

Unassigned Devices	↻

Wallstation 0 devices	∨

Integrated Sensors 0 devices	∨

Highbay Sensors 0 devices	∨

Unknown Devices 0 devices	∨

SKIP, ADD LATER   NEXT

COOPER
Lighting Solutions
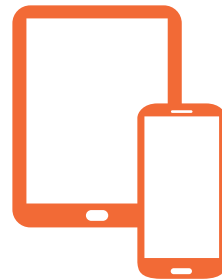
cooperlighting.com »»
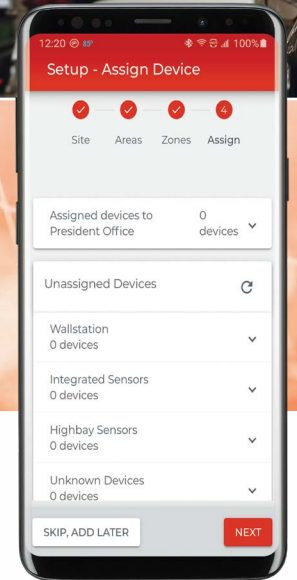
WAVELINX LITE

Simple. Secure. Scalable.

Integrated sensors provide immediate out-of-the-box performance
and can be configured as a system from a secure mobile application.

LIGHTING

Advanced LED fixtures

+

MOBILE APP

Intuitive project provisioning
and configuration tool

+

SECURE PORTAL

Initiate new projects,
transfer completed projects
to building owners, and
store backup data safely

WaveLinx Lite is **SO SIMPLE** setup can be completed on-site with your own mobile device without an IT network or support.

Building upon known motion sensor solutions, the WaveLinx Lite solution eliminates all the hassles associated with a complex lighting controls solution and makes the commissioning process intuitive and flexible, giving more power to installers and building managers.

With integrated wireless occupancy and daylight sensors the system is not only ASHRAE, IECC and CA Title 24 code compliant for many applications, but also triggers additional utility incentives for smart controls.

Trellix
Secure Portal
Site Initiation, Data Backup & Site Transfer

WaveLinx Lite
Mobile App
used for system setup

Bluetooth®

WaveLinx Lite
Integrated Ambient

WaveLinx Lite
Wallstation

WaveLinx Lite
Tilemount Sensor Kit
for 0-10V fixtures

WaveLinx Lite
Integrated
Parking Garage

indoor spaces

parking garages

FLEXIBLE INSTALLATION...
SIMPLIFIED

Blends the simplicity of a standalone installation with the usability of a controlled system for an easily configured space with an exceptional occupant experience.

For standalone and controlled applications, WaveLinx Lite provides out-of-the-box functionality with no gateways required and factory startup is not needed.

When connectivity is required, WaveLinx Lite components may be software upgraded to WaveLinx Wireless Connected Lighting and even Trellix connectivity.

Office

Education

Parking Garage
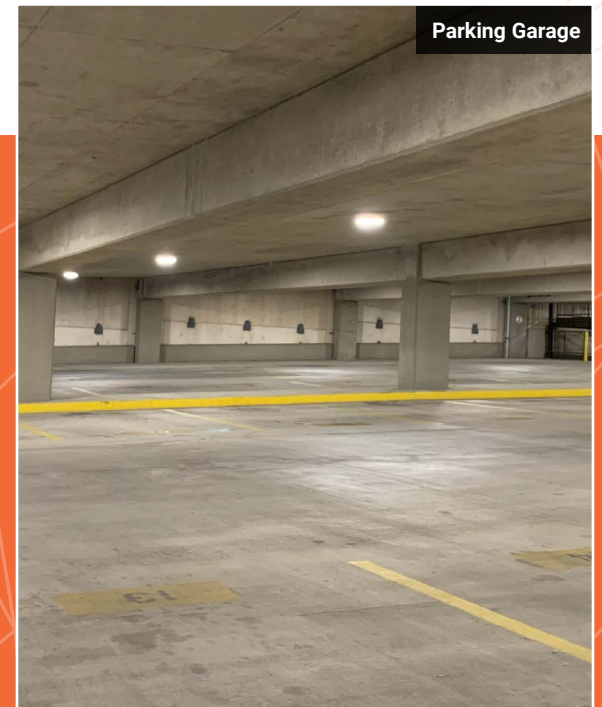
WaveLinx Lite solves traditional standalone problems

Standalone		Controlled WaveLinx Lite
✓	**Out-of-the-box functionality**	✓
✓	**Closed loop daylighting**	✓
✓	**Occupancy detection**	✓
x	**Configurable control zones**	✓
x	**Occupancy groups**	✓
x	**Programmable scenes**	✓
By fixture	**Customization**	By group
IR remote	**Customization device**	Mobile app

Individual Performance

Standalone - office / education floor

Standalone - parking garage floor

Intelligent Groups

WaveLinx Lite - office / education floor

WaveLinx Lite - parking garage floor

SCALABLE TECHNOLOGY

Standalone AND easily customized control?

WaveLinx Lite devices offer standalone performance, may be easily customized into areas and zones, and are even software upgradeable to WaveLinx Wireless and Trellix *(coming 2022).*

NOTE: WaveLinx Lite devices are not currently compatible with the WaveLinx Wireless Area Controller.
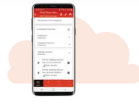
	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

SCALABILITY

devices → areas → floors → buildings

WaveLinx Lite expands from a single standalone device up to Enterprise with 45,000 devices

Basic code compliance in a simple package

WaveLinx Lite offers useful out-of-the-box functionality and the ability to customize installations with a secure downloadable mobile application targeted at office, education, and parking garage applications.

Control your own timeline
Securely configure and maintain your projects on your timeline.

Only pay for what you need
No gateways, servers, Integrators and IT involvement or paid technicians required for installation or setup.

Be ready for connected
WaveLinx Lite components will be upgradeable to be a part of the WaveLinx Wireless System with connectivity to Trellix.

Manage it all, from your mobile device
Configure your system conveniently through an intuitive mobile application.

Simple, affordable, and secure... why settle for less?

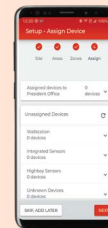## Wireless. Code Compliant. Cost Effective.
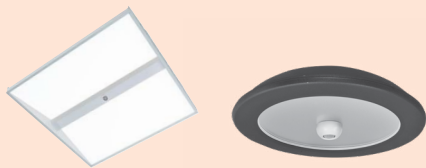
Lighting Fixture with Integrated Sensor
Highly efficient LED fixtures

+
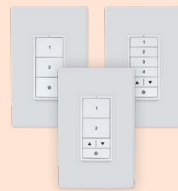
Wireless Wallstation
Pre-configured capabilities and fully customizable for each area

+

Mobile Application
Easily configure spaces from your own mobile device

=

Reduce Configuration **Time & Cost** by **20%** for initial system set-up versus typical standalone installations

STAY **SECURE**
with ultimate peace of mind

With information security threats and fears on the rise, WaveLinx Lite is designed to keep your project and data on lock down with a secure cloud portal.

Preparation
(internet connection required)

- Create project sites from secure cloud portal
- Mobile app account receives a secure key to commission those project sites (1 user - 1 account)

Configuration

- Mobile app used to configure project sites via Bluetooth on premises
- No internet connection required to configure or operate project site

Completion
(internet connection required)

- Site data is securely synced with the cloud portal for backup
- Cloud also used to securely transfer site ownership from installer to project owner

Cloud portal technology provides security to each site preventing unauthorized access

Physical barriers to entry
A smart devices paired with a digital key from a secure portal is required to access the system

Customer security
NIST Cybersecurity Framework and industry best practices

Network security
Multi-layered, built-in security controls and unique threat intelligence

Reduce re-configuration time and cost by

75%

or more

when compared to standalone installations

The sensor is factory wired and ready to meet code out-of-the-box

Automatic code compliance?
Yes, it's true

No more waiting weeks for commissioning technicians, paying for expensive IT support, or purchasing unnecessary hardware. With WaveLinx Lite, you can finish the job more quickly, and move on to the next.

- Standalone operation that meets code and simple setup that exceeds expectations
- 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
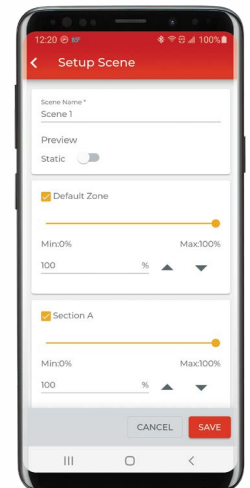
Intuitive code compliant set-up...
at your fingertips

You would set up your own lighting controls projects if they were this simple.

- Enable and add devices to areas, define zones and create custom scenes for 28 unique areas per project site
- Adjust automatic settings - occupancy or vacancy operation, sensor hold times and actions, and calibrate daylight dimming
- Prevent unauthorized access to the system with a secure cloud portal
- No additional hardware (gateways, servers, etc.) required and no IT network or support needed
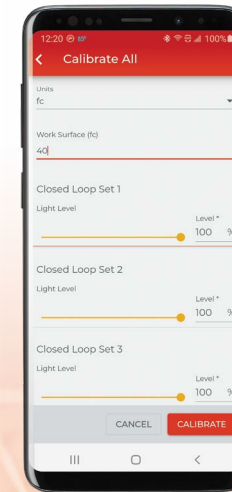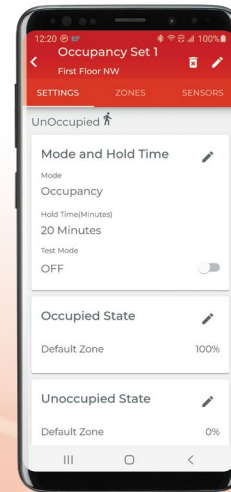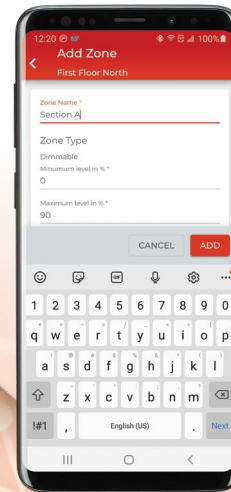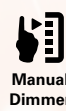
The WaveLinx Lite App can be downloaded via the Apple Store® or Google Play and is an accessory to the WaveLinx Lite Wireless system.
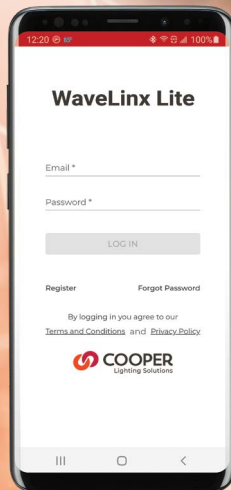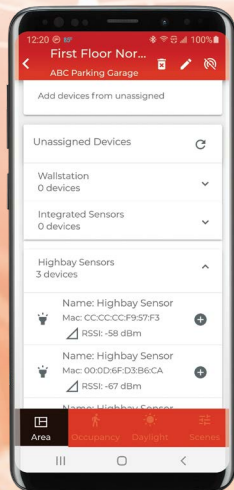
WaveLinx Lite mobile app features

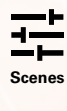|	
Network Security	Manual Dimmer
Occupancy Sensor	Daylighting Control
Manually Switched ON/OFF	Tuning Control
Lumen Maintenance Control	Scenes

WaveLinx Lite System Design Steps

1 **Installation**

- Parking garage and indoor integrated sensor fixtures have out-of-the-box capability that may satisfy many applications

2 **Project Site Preparation**
(internet connection required)

- Download and register WaveLinx Lite mobile application
- Watch training videos (< 10 minutes)
- Plan project per guidelines
- Create project site(s) with secure cloud portal

3 **On-Site Configuration**
(Bluetooth connection required)

- Scan and provision devices for each site by area
- Create zones, occupancy sets, calibrate daylight harvesting
- Set occupancy or vacancy mode actions and hold times, configure scenes, set trim levels, etc.

4 **Project Completion**
(internet connection required)

- Backup all project site data in secure cloud portal
- Transfer site ownership from contractor to owner

5 **Project Updates**
(internet connection required)

- Easily re-configure spaces as requirements change
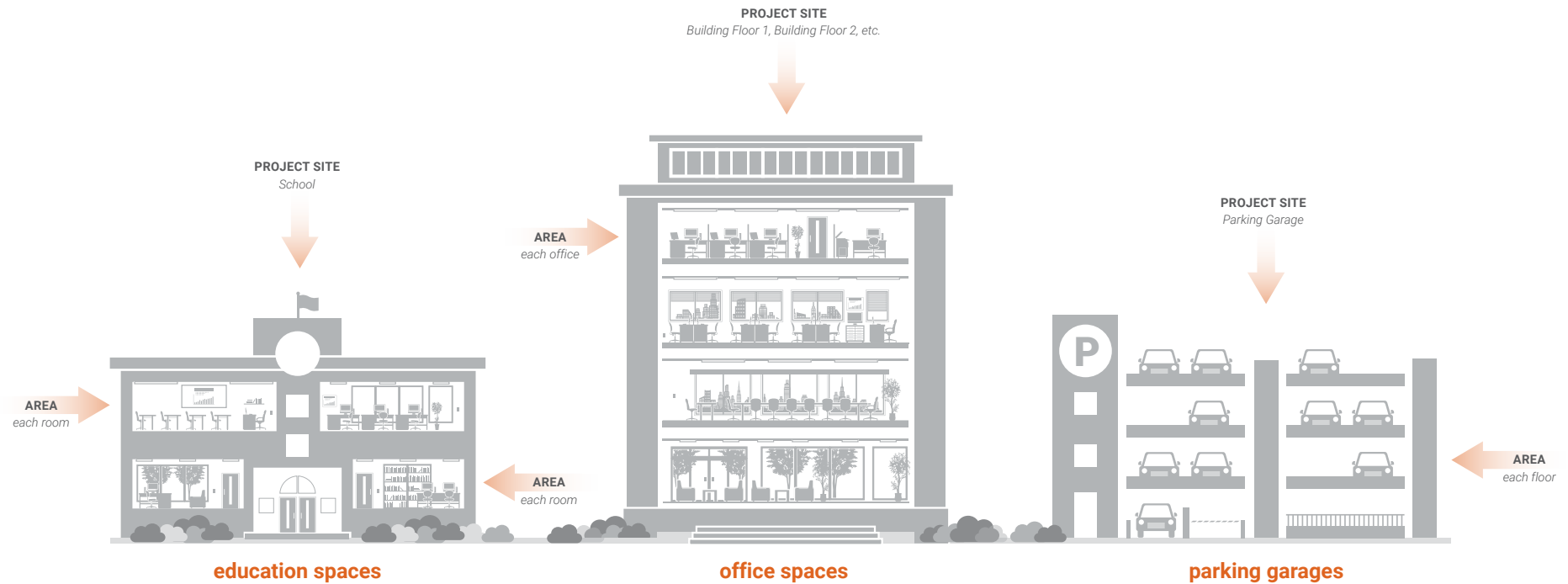- Secure system updates

Project Contractor

**Transfer
Site Ownership
via Secure Portal**

Project Owner

WaveLinx Lite System Specifications

PROJECT SITE
Building Floor 1, Building Floor 2, etc.

PROJECT SITE
School

PROJECT SITE
Parking Garage

AREA
each office

AREA
each room

AREA
each room

AREA
each floor

education spaces   **office spaces**   **parking garages**

Design:

- Up to 28 areas per project site
- Up to 50 (best practice 40) devices per area
- Up to 16 zones (groups) per area
- Up to 6 occupancy sets per area
- Up to 7 scenes per area
- Up to 100ft (30m) LOS between devices
- Up to 5 hops between devices

Features:

- Integrated, closed-loop photocell for daylight harvesting
- Pre-configured, fully programmable wallstations
- Occupancy and Vacancy mode
- Occupancy hold time with Energy Saver
- High and low-end trim

Set-up:

- 1 WaveLinx Lite account per mobile device
- 1 WaveLinx Lite account per project site

WaveLinx Lite can offer
significant **benefits**

- **40% Less installation time**
- **15% Lower installed cost**
- **25-70% Energy savings**
- **CA T24, ASHRAE, and IECC code compliance**
- **Control your schedule by commissioning on YOUR time**
- **Maintain network integrity using the Trellix secure cloud portal for site creation**

Trellix
Secure Portal
Site Initiation, Data Backup & Site Transfer

mobile app to each area
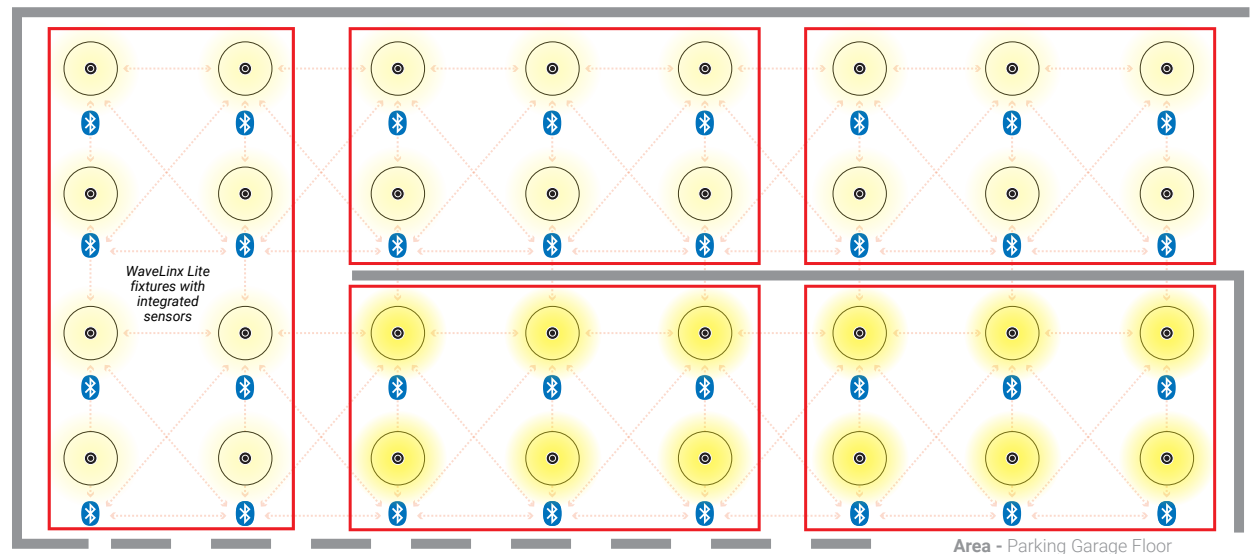
WaveLinx Lite Application:
Parking Garage

Site = 6 Floor Parking Deck
1 Area = 1 Floor (up to 28 per Site)
6 Occupancy Sets per Area
◎ Sensor

Parking Garage

Reduce labor, cost and installation time with WaveLinx Lite to get low cost compliance for both retrofits and new installation.

In a typical 6 floor parking garage, the WaveLinx Lite system offers significant benefits:

- Improve safety and maintenance
- Reduce installation time with wireless controls by 40%
- Utilize lower cost labor rates for setup

WaveLinx Lite fixtures with integrated sensors

Area - Parking Garage Floor
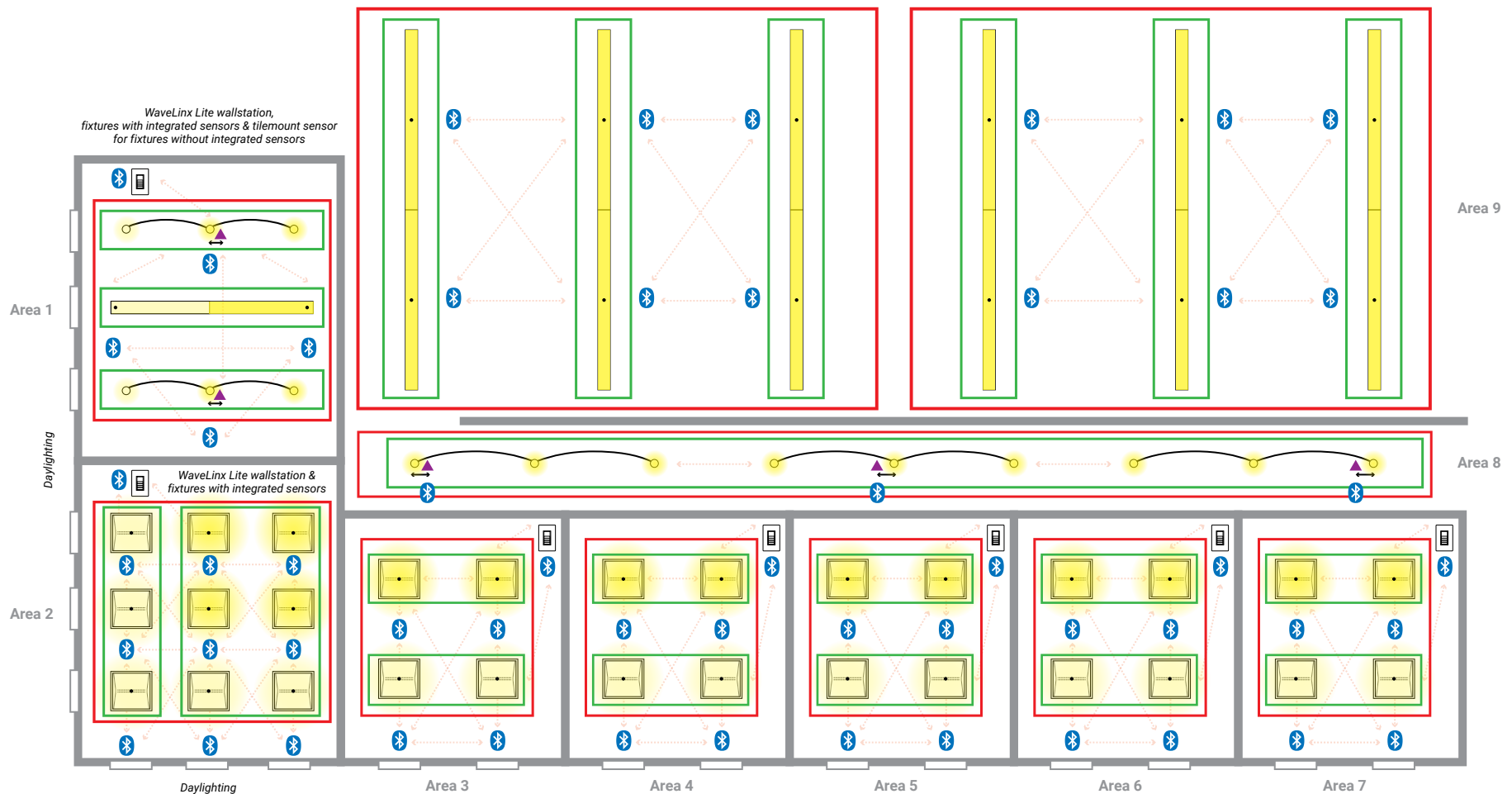
Office and Education

Reduce labor, cost and installation time with WaveLinx Lite to get low cost compliance for both retrofits and new installation.

- Improve productivity and maintenance
- Accommodate all users with configurable occupant lighting settings
- Easily program and reconfigure the space without rewiring from a simple mobile app
- Reduce unnecessary accessories with integrated fixtures providing daylight and occupancy detection

Trellix
Secure Portal
Site Initiation, Data Backup & Site Transfer

mobile app to each area

WaveLinx Lite Application:
Office / Education

Site = Floor or Building (indoor)
▬ 1 Area = 1 Room (up to 28 per Site)
▬ 16 Control Zones per Area
▬ 6 Occupancy Sets per Area
● Integrated Sensor
▲ Tilemount Sensor

WaveLinx Lite wallstation, fixtures with integrated sensors & tilemount sensor for fixtures without integrated sensors

WaveLinx Lite wallstation & fixtures with integrated sensors

Daylighting

Area 1

Area 2

Area 9

Area 8

Daylighting

Area 3

Area 4

Area 5

Area 6

Area 7

LIGHTING & CONTROL PRODUCTS

WaveLinx Lite integrated fixtures install quickly with no special wiring requirements and utilize a robust Bluetooth wireless mesh network for simplified customization and control.

- Useful out-of-the-box functionality suitable for many applications
- Configured as a group of devices with the WaveLinx Lite mobile application
- Minimal design requirements
- Lighting and control in one convenient package

Click on products to **learn more**
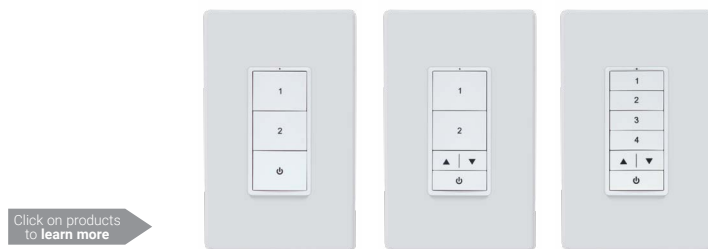
Line Voltage Wallstation

Dimming | Manual | Scenes | Raise/Lower | Zones | Bluetooth

The line voltage wallstation is available in three small and large button configurations. These wallstations are for new or renovation installations and provide customized light level for each area. The wallstation is suitable for standard single or multi-gang NEMA wall boxes. Each wallstation is pre-configured for immediate performance when provisioned to a WaveLinx Lite network and is fully programmable through the WaveLinx Lite Mobile Application, no physical adjustments necessary.

catalog number:
WWL3-W - 3 Button, White
WWL3-RL-W - 3 Button Raise / Lower, White
WWL5-RL-W - 5 Button Raise / Lower, White

Suitable for use with standard and Decora wallplates (not included).
For custom engraving use the configurator tool within the FlashPro Program (CUST-ENGRV).
Note - WaveLinx Lite mobile application required to provision to network and customize programming for each button.

Wireless Tilemount Sensor Kit

Sensing | Daylight | Downlights | Wireless

Octagonal junction box installation

The WaveLinx Lite Tilemount Sensor Kit provides PIR occupancy and daylight dimming and control for connected downlight luminaires or other luminaires that do not support the WaveLinx Lite Integrated Sensor. The Tilemount Sensor Kit provides 0-10V dimming control of LED and non LED loads for up to 3amps 120-277V luminaires.

catalog number:
WTK - Tilemount Sensor Kit
(also includes hardware for installation to standard 4" octagonal junction box)

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

NOTE: WaveLinx Lite devices are not currently compatible with the WaveLinx Wireless Area Controller.

Ambient lighting

Click on products
to **learn more**

Metalux
Flat Panel (FPX)
Ultra-thin
LED panel

Metalux
**Cruze ST, SB &
Cruze Retrofit Kit**
LED recessed ambient

Metalux
Encounter
Recessed ambient
WaveStream LED

Metalux
RBG
Architectural
linear slot

Metalux
WSL
Linear ambient
WaveStream LED

Metalux
SkyRidge
Recessed ambient
WaveStream LED

Metalux
RLN
LED recessed
ambient

Metalux
Perceive (PD)
LED recessed
ambient

Indoor Ambient Sensor

Daylighting | Occupancy | PIR Motion Sensing | Bluetooth

The WaveLinx Lite integrated sensor for Indoor Ambient applications is simple yet powerful and scalable. The sensor provides immediate out-of-the-box operation with motion sensing when installed. With the WaveLinx Lite mobile application, fixtures may be provisioned into control groups based on occupancy status and each sensor provides closed loop daylight sensing. The sensor is also upgradeable to the WaveLinx Wireless Connected Lighting system and compatible with Trellix enterprise applications.*

catalog number:
WAB - WaveLinx Lite Wireless Integrated Sensor

Note - WaveLinx Lite mobile application required to provision to network and customize configuration.
* Upgrade capability available in 2021

Metalux
SRL
Linear LED
striplight

Metalux
SWLED
Linear LED
striplight

Metalux
GR
General recessed
LED troffer

Architectural lighting

Integrated sensors
Sensing | Daylighting | Individual | Grouping

Click on products to **learn more**

Corelite
Continua
Linear suspended
& wall LED

Neo-Ray
Define Gen 2
Linear recessed &
Linear suspended LED

Corelite
Bridge
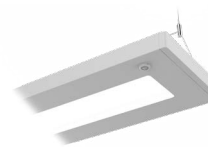Architectural recessed
WaveStream LED

Corelite
Iridium i3
Linear suspended
WaveStream LED

Neo-Ray
Define
Surface & Wall LED

Corelite
D3X
Architectural recessed
WaveStream LED

Corelite
Jaylum
Suspended LED

Corelite
Continua SQ4
Linear suspended
& wall LED

Corelite
RX/ZX
Architectural recessed

Corelite
Divide
Suspended & wall
WaveStream LED

Corelite
RZL
Suspended LED

Corelite
CL
Architectural recessed
linear slot

Corelite
Hugo
Suspended LED

RSA
MRZ
Architectural recessed
integral LED

Recessed lighting

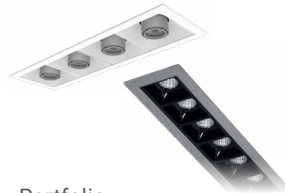Tile Mount Sensing when installed with WTK Tilemount Sensor Kit

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

Click on products to **learn more**

Portfolio
LDA Series
2", 3", 4" and 6"
Adjustable Downlights

Portfolio
**LE / LS Series
- Cylinders**
2", 4" and 6" Round & Square
8" Round
2", 4" and 6" Round & Square
Shallow

Portfolio
**LAM and LDM Series
- Multiples**
1" (1 cell to 15 cells)
Downlight or Adjustable
4" (1 head to 4 heads)

Portfolio
LD Series
2", 4", 6" and 8"
Downlights

HALO Commercial
PR Series
4", 6" and 8"
SeleCCTable Downlights

HALO Commercial
HC Series
4", 6" and 8"
Downlights

Outdoor lighting

Sensing | Motion | Daylighting
Individual | Group / Zone

Click on products
to **learn more**

4-pin Zhaga
Book 18 socket

Outdoor Fixture High / Low Mount Sensor

Daylighting | Occupancy |

PIR Motion Sensing | Bluetooth

The WaveLinx Lite integrated sensor for Galleon and Top Tier parking garage applications is simple yet powerful and scalable. The sensor provides immediate standalone dusk-to-dawn operation with motion sensing when installed. With the WaveLinx Lite mobile application, fixtures may be provisioned into control groups based on occupancy status and each sensor provides closed loop daylight sensing. The sensor is also upgradeable to the WaveLinx Wireless Connected Lighting system and compatible with Trellix enterprise applications.
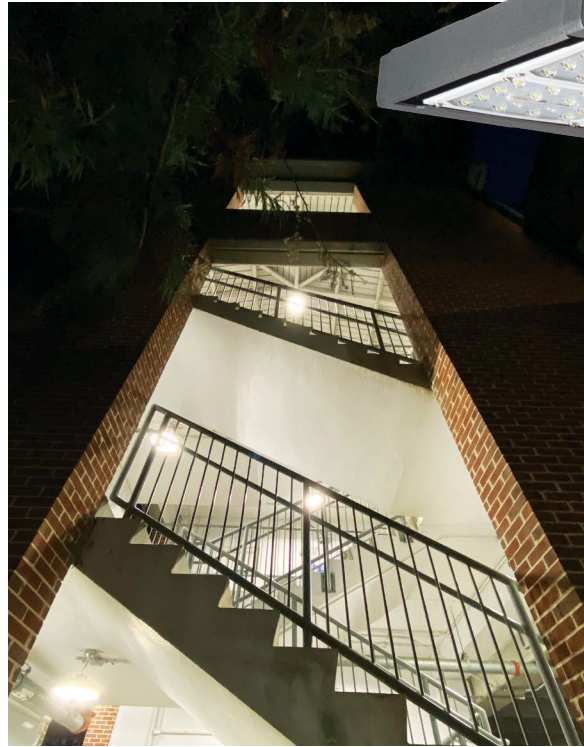
catalog number:
WOB * -   Outdoor Fixture Low Mount Sensor
               7 - 15ft (2.1 - 4.5m)

WOF * -   Outdoor Fixture High Mount Sensor
               15 - 40ft (4.5 - 12.2m)

* - Available in white (WH), bronze (BZ), and black (BK)
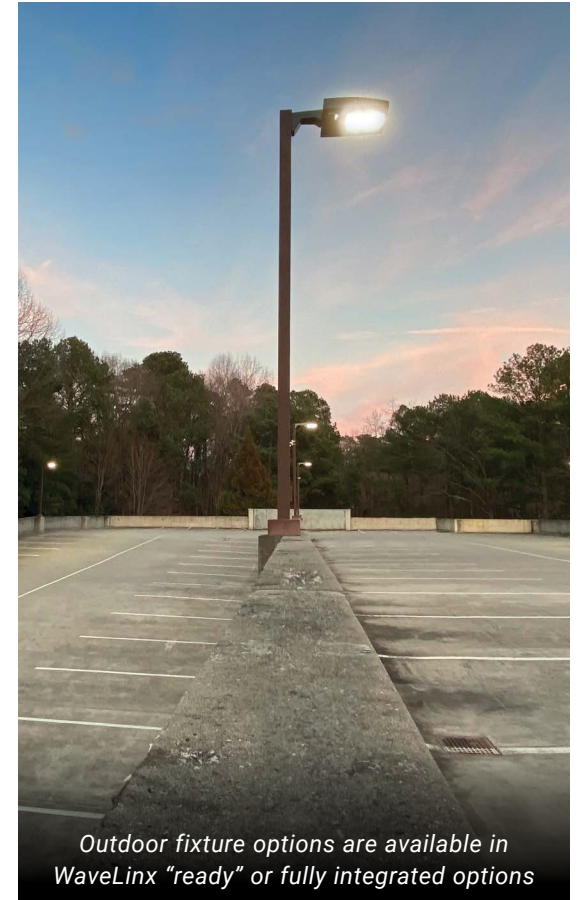*Note - WaveLinx Lite mobile application required to provision to network and customize configuration.*

Galleon LED
Area and site,
Wall, PC
and Flood
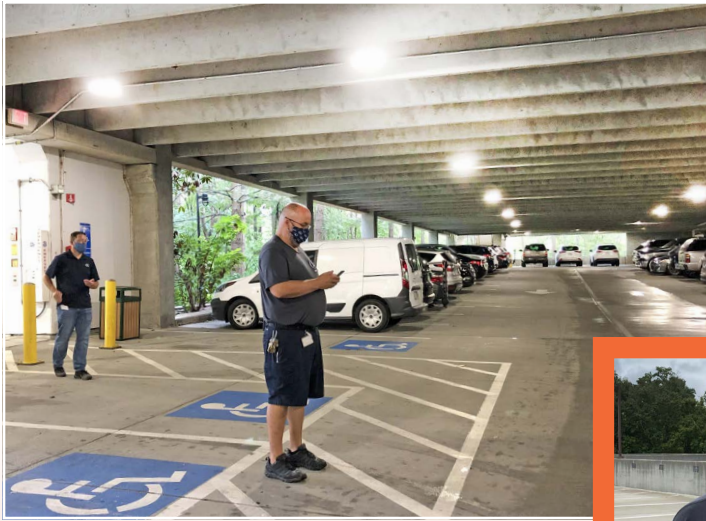

Top Tier LED
Area and site,
Wall, PC
and Flood

For a complete list of compatible products, see:

www.cooperlighting.com

Outdoor fixture options are available in WaveLinx "ready" or fully integrated options

TESTIMONIALS

The Lovett School - Atlanta, GA

"The abilities of this system without the need to add additional wiring is a game changer."

Chris Haddox
Facilities Management Electrician,
The Lovett School

"The WaveLinx Lite system has allowed us to control the site lighting to meet the needs of the school. The grouping feature allows us to adjust lights that directly impact neighboring homes while still maintaining ideal light levels throughout the structure to maintain safety."

Brian Holtzapfel
Director of Plant Operations,
The Lovett School

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
WaveLinx Lite
information

COOPER
Lighting Solutions