

Get off the job faster with WaveLinx PRO connected lighting system

Traditional hot I neutral I ground wiring solving today's problems











Why use WaveLinx PRO?



Rising conduit and wire costs

Conduit and copper has seen continued cost increase, as much as 100% over the past 12 months.

- · Eliminate up to 60% of the wire runs
- Less wire Less pipe



Shortage of qualified labor

80% of electrical contracting firms are reporting difficulty filling hourly craft worker positions and higher salaries.

- Save up to 45 minutes per control zone
- · Less time Less people



Installation times

Get off the job at least 40% faster simple install and simple setup.

- More jobs with the same people means more money for you
- Faster install



Energy savings

How do you make sure you meet local code and provide energy savings to your customer?

- Network Lighting Controls (NLCs) provide 47-70% savings with integrated luminaire lighting controls
- Up to 70% energy savings

Wireless, code-compliant and cost-effective for today's **Electrician**



Training

How do you keep up with the latest technology? WaveLinx PRO provides local and classroom certification programs

- Learn how the system works in as little as 2 hours
- · Simply mobile



Instructional videos

What if I need a tutorial on site? WaveLinx PRO has fifteen, 5-minute videos that walk you through it.

- · Free mobile app
- · Free training videos



Utility incentives

Many states provide rebate incentives for LED fixtures with integrated sensors.

- Less material to install, and the rebate pays for it
- Incentives up to \$75 per fixture



Cybersecurity

Are you concerned with cybersecurity? You should be, but rest assured as WaveLinx PRO has the IECC 62443 listing for Network Cybersecurity.

- · Help customers stay secure
- Peace of mind that the product is backed by independently certified IECC cybersecurity standards



Use what you already know

Complete projects faster while reducing costs with the WaveLinx PRO system for LED lighting and controls.





Wire for power not load switching

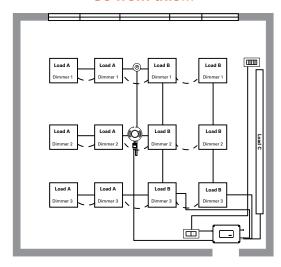


Easy programing with mobile application

(Wireless Area Controller required)

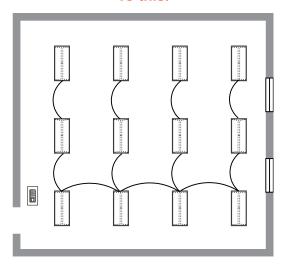


Go from this...





To this!



Now simple standard wiring provides so much more. Here's what you get:

Lighting

- · Continuous dimming
- · Individual control

Occupancy

- Auto On to 50% or Vacancy
- Auto Off of lighting and plug loads

Daylighting

- · Continuous dimming to OFF
- · Open or closed loop

Scheduling

Security

- IEC 62443-4-1 and IEC 62443-4-2 certified
- UL924
- · DLC NLC V5 qualified

WaveLinx PRO How to Videos



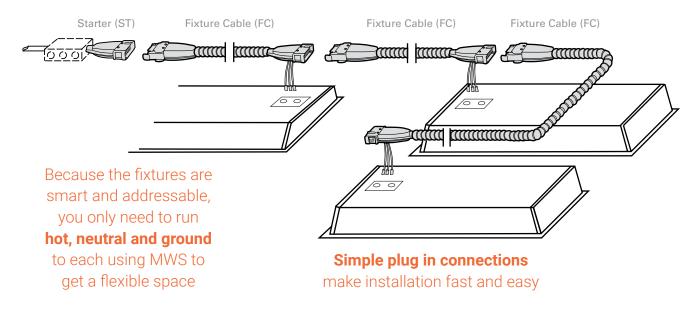


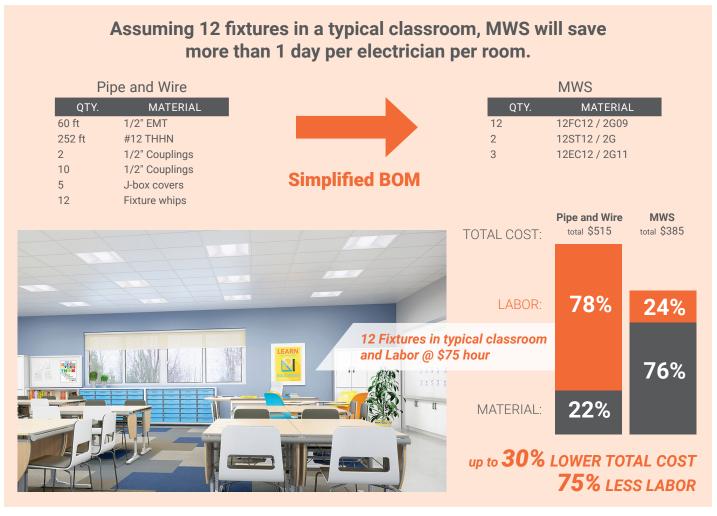
WaveLinx PRO devices are IEC 62443-4-1 and IEC 62443-4-2 certified. Independent certifications have been performed by certified labs.

MWS wiring

With construction costs rising and the labor force shrinking. You need every advantage to get more done with less people.

Modular Wiring System from Cooper Lighting Solutions provides a fast, reliable and cost-effective way to wire lighting fixtures. MWS uses simple plug in connections that provides basic power over wire that works better than traditional methods.





Satisfy your customer & your bottom line

Get off the job faster and at a lower installation cost with WaveLinx PRO components.

WaveLinx PRO products

CATALOG NUMBER	DESCRIPTION	VOLTAGE
WAC2-POE	Wireless Area Controller 1 required per 49 rooms or 200 zones	WPOE-120
WP0E2-120	PoE power supply for WAC	120V
WSP-UV-010	Wireless Dimming Switchpack 0-10V output supports up to 60 typical LED drivers	120-347VAC 16A LED
W4S-RL-S4-*	4 small button field programmable wallstation with Raise/Lower (W, V, G, B)	120/277VAC Not load switching, for radio power only
WB5-S3-W	White 3 small 1 large button with Raise/Lower field programmable wallstation (Scene 1, Scene 2, Scene 3, Off, v,^)	
WB6-S3D-W	White 6 small button field programmable wallstation (Scene 1, Scene 2, Scene 3, Raise, Lower, Off)	Qty 4 AAA batteries
WB6-S5-W	White 6 small button field programmable wallstation (Scene 1, Scene 2, Scene 3, Scene 4, Scene 5, Off)	_
WOLC-7P-010	Outdoor Lighting Control Module	120/347VAC 10A LED
WR-20	Wireless 20A Receptacle	120V 20A
WR-15	Wireless 15A Receptacle	120V 15A
CWPD-1500	Wireless Occupancy & Open Loop Daylight Sensor	Qty 2 AA batteries

Reduce installation time by 60% with MWS products

CATALOG NUMBER	DESCRIPTION
12EC12/2G11	120V 12AWG Extender Cable 11' long
12EC12/2G15	120V 12AWG Extender Cable 15' long
12FC12/2G11	120V 12AWG Fixture Cable 11' long
12ST12/2G	120V 12AWG Circuit Starter Cable
27EC12/2G11	277V 12AWG Extender Cable 11' long
27EC12/2G15	277V 12AWG Extender Cable 15' long
27FC12/2G11	277V 12AWG Fixture Cable 11' long
27ST12/2G	277V 12AWG Circuit Starter Cable
27ST12/2G	277V 12AWG Circuit Starter Cable

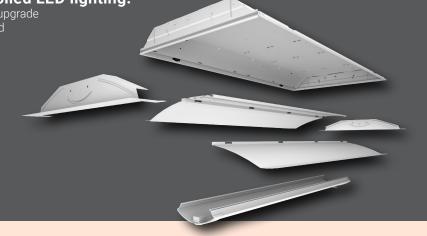
Save time and money with stock fixtures with integrated sensors

CATALOG NUMBER	DESCRIPTION	LUMEN PACKAGE & CCT	
22CZRK-LD4-34-UNV-L840-CD1-SWPD1-U	2x2 Cruze retrofit kit w/integrated sensor	3400 Lumen, 4000K CCT	
24CZ-LD5-40-UNV-L840-CD1-SWPD1-U	2x4 Cruze luminaire w/integrated sensor	4000 Lumen, 4000K CCT	
22CZ2-34HE-UNV-L840-CD1-SWPD1-U	2x2 Cruze ST High Efficiency luminaire w/integrated sensor	3400 Lumen, 4000K CCT	
24CZ2-40HE-UNV-L840-CD1-SWPD1-U	2x4 Cruze ST High Efficiency luminaire w/integrated sensor	4000 Lumen, 4000K CCT	

It's time to make the switch to LED

Upgrade your fluorescent luminaires to controlled LED lighting.The Cruze LED Retrofit Kit makes it easy for customers looking to upgrade from fluorescent luminaires to high performing wirelessly controlled LED system without the need to install a complete luminaire.





Simple and quick installation

- · Installs in less than five minutes = significant labor cost savings
- Utilize the existing fluorescent luminaire's housing = lower disposal costs
- No tools required

Reduced energy consumption

- Energy savings > 50% vs. fluorescent
- High-performance efficacy up to 138 lm/W
- DesignLights Consortium™ Qualified

Architectural style aesthetics

- · Superior lens uniformity with full illumination
- Designed for offices, schools, hospitals, and retail applications
- Available in 2' x 2' and 2' x 4' sizes

Integrated controls

- · Integrated sensors with IoT Connectivity
- Integrated sensor system for occupancy, daylighting and wireless control
- 10-100% dimming







Energy savings

Operating and maintenance costs of a lighting system are dramatically impacted by the specified lamp source and electrical system. Total system input watts and fixture operating life should be the driving considerations when addressing energy consumption and total cost of ownership. Energy savings increase when energy consumption is reduced and maintenance intervals are extended.

Fluorescent Product Comparison

Select 2' x 4' Cruze Retrofit Kit SKUs			Popular Fluorescent Fixtures			LED
CATALOG NUMBER	LUMENS*	WATTAGE	FIXTURE TYPE	LUMENS*	WATTAGE	ENERGY SAVINGS
24CZRK-LD4-40-UNV-L840-CD1-SWPD1-U	4423	36.82	Indirect Basket 232	3873	72.0	48.9%

Select 2' x 2' Cruze Retrofit I	Popular Fluorescent Fixtures			LED		
CATALOG NUMBER	LUMENS*	WATTAGE	FIXTURE TYPE	LUMENS*	WATTAGE	ENERGY SAVINGS
22CZRK-LD4-34-UNV-L840-CD1-SWPD1-U	3768	31.45	Troffer 2U6T8	3862	52.1	40%

^{*}Lumens listed are delivered lumens.

Refer to specification sheets for detailed catalog ordering information.



Cruze ST is a specification LED troffer series that delivers architectural features with unmatched value. This high quality luminaire is constructed with the latest solid state lighting technology matched with architectural grade elements to deliver superior aesthetics, optical distribution, and energy efficiency. The Cruze ST is compatible with all of today's popular ceiling systems and is available with options and accessories to deliver the features needed for use in premier office spaces, primary and secondary schools, healthcare facilities and retail merchandising.

Integrated sensors with IoT Connectivity

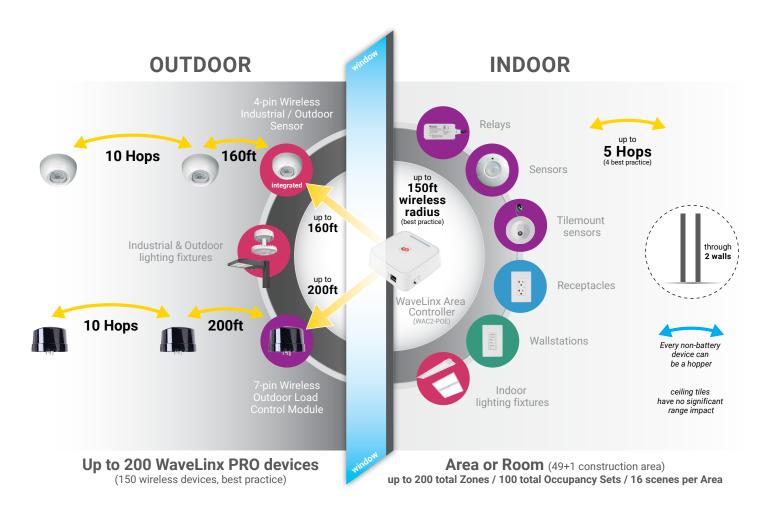
- · Latchless design architectural appeal
- 2'x2' and 2'x4' recessed versions available
- Standard and high efficacy (HE) versions up to 138 lm/W
- 80 and 90CRI @ 3000K, 35000K, 4000K, 5000K CCT
- Multiple lens options for customizable looks
- VividTune™ CCT tuning, 3000K 5000K and 2700K 6500K



CATALOG NUMBER	DESCRIPTION	LUMEN PACKAGE & CCT
22CZ2-34HE-UNV-L840-CD1-SWPD1-U	2x2 Cruze ST High Efficiency luminaire w/integrated sensor	3400 Lumen, 4000K CCT
24CZ2-40HE-UNV-L840-CD1-SWPD1-U	2x4 Cruze ST High Efficiency luminaire w/integrated sensor	4000 Lumen, 4000K CCT



WaveLinx PRO best practices



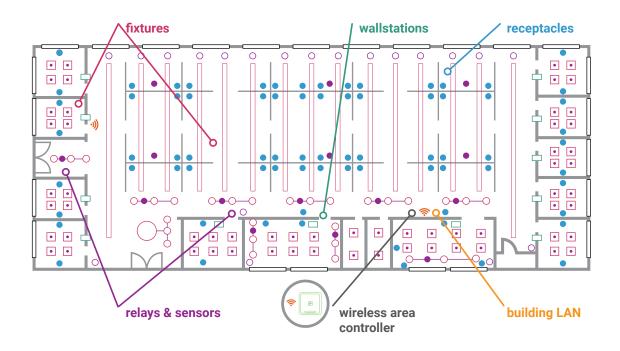
DESIGN CONSIDERATION	BEST PRACTICE	MAXIMUM	
WCL devices per WAC2	150	200	
User-defined areas per WAC2	49	49	
Construction areas per WAC2	1	1	
Zones per Area	3	16	
Total Zones per WAC2	200	200	
Scenes per Area	16	16	
WAC range (indoor WCL devices)	150ft (45m) LOS ¹	300ft (91m) LOS ²	
WAC range (outdoor WCL devices)	See sensor spec sheets		
Device hops beyond WAC (indoor / outdoor)	4 / 10	5 / 10	

Notes

¹ Considering two (2) interior walls of standard construction

² Considering no LOS obstructions (walls, columns, etc.)

WaveLinx PRO basic install & set-up



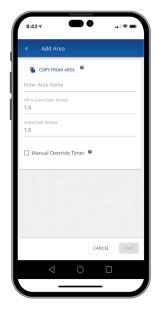
- 1. Connect all wireless devices to line voltage power (fixtures, receptacles, relays, switches)
- 2. Confirm device readiness (Video 1)
- 3. Connect with WaveLinx PRO mobile application (Video 3)
- 4. Create an Area (Video 4)
- 5. Identify devices in area with reverse identification (Video 4)
- 6. Drag devices into created (Video 5)
- 7. Repeat for each area you create
- 8. System complete





Get off the job faster with WaveLinx PRO Wireless Connected Lighting System

WaveLinx PRO programming



Use the mobile app to create areas of control

Automatic code commissioning does the programming for you



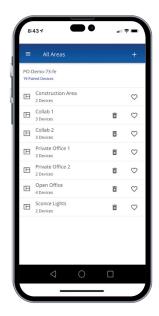
Identify devices and drag into the correct zone

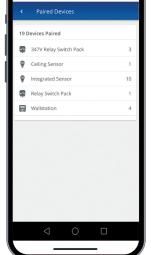
Copy areas to make





Easily see the types and number of devices in each zone or area











Download the latest version of the WaveLinx mobile application from Google Play™ or the App Store® and install it on a smartphone or tablet.

The WaveLinx mobile application is compatible with devices running iOS 11+ or Android™ 7+ operating systems.

WaveLinx PRO energy codes

IECC (2018) - ASHRAE 90.1 (2019) - Title 24 (2019)

Quick reference guide - commercial requirements

	IECC (2018)	ASHRAE 90.1 (2019)	Title 24 (2019)	WaveLinx PRO
Automatic off controls	3			
Occupancy Sensors	C405.2.1	9.4.1.1(h)	130.1(c)	•
Partial Off	C405.2.1.2 (warehouse) C405.2.1.3 (open office)	9.4.1.1(g)	130.1(c)	•
Full Off	C405.2.1.1.1 (20min)	9.4.1.1(h)	130.1(c)	•
Scheduled Off	C405.2.2	9.4.1.1(i)	(warehouse, corridor, stairwell, library stacks)	•
Plug Load Off	N/A	8.4.2	130.5(d)	•
Manual On / Partial On	C405.2.1.1.2	9.4.1.1(b) – (manual ON) 9.4.1.1(c) – (partial ON)	130.1(c) (office<250ft², classrooms, conference room)	•
Manual controls				
Manual On / Partial On	C405.2.1.1.2	9.4.1.1(b) – (manual ON) 9.4.1.1(c) – (partial ON)	130.1(c) (office<250ft², classrooms, conference room)	•
Manual Light Reduction	C405.2.2.2			•
Area / local Controls	C405.2.5	9.4.1.1(a)	130.1(b) - (multi-level controls)	•
Daylighting				
Daylight Responsive Control	C405.2.3	9.4.1.1(e) (>150W sidelighting) 9.4.1.1(f) (>150W toplighting)	130.1(d) (>120W with <.5W/ft² dimming optional) 130.1(d) (>120W with >.5W/ft² dimming required)	•
Exterior Controls				
Parking Garage Lighting		9.4.1.2		•
Exterior Lighting	C405.2.5	9.4.1.4		•
Special Items				
Specific Application Controls	C405.2.4			•
Additional Efficiency Packages	C406.1			•
Guest Room or Sleeping Units	C405.2.4.3	9.4.1.3(b)		•
Functional Testing	C408.3	9.4.3	130.4	•
Metering			130.5(a)	•
Demand Responsive Controls			130.1(e) - (>10K ft² reduce by 15%)	•

Lighting Brands

Ametrix AtLite Corelite **Ephesus** Fail-Safe HALO

HALO Commercial

Invue iΟ 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

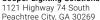
WaveLinx

Trellix Infrastructure



SCAN

for more WaveLinx PRO information



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Product availability, specifications, and compliances are subject to change without notice.