

# Industrial in a new light

Turnkey lighting and controls solutions  
for warehouses, distribution centers and  
logistic facilities



# Benefits of quality industrial lighting.

Lighting affects productivity and contributes to the success of an industrial facility.

Warehouses, distribution centers and logistics facilities are growing rapidly with the booming market of online commerce and on-demand inventory. Whether a new construction project or retrofitting an existing building, the quality of the lighting makes a difference. Lighting can affect productivity, energy efficiency, maintenance costs, employee performance and even the number of errors and accidents, making a significant contribution to the safety of workers.

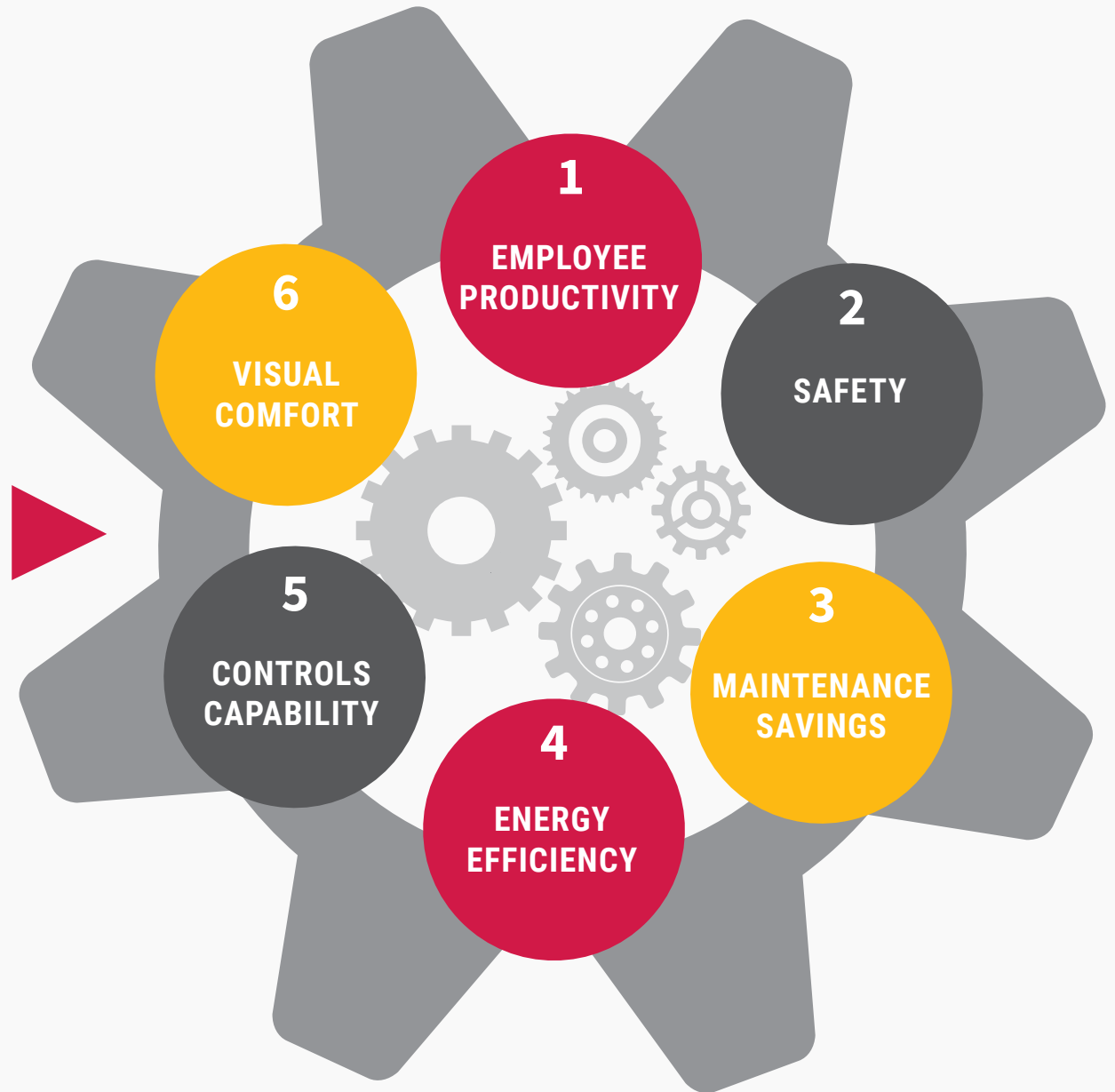
In addition to a safe and productive working environment, today's building owners seek new levels of smart facilities management. With the latest advancements in LED lighting and its control capabilities, building owners and warehouse managers are realizing the benefits through increased productivity, employee safety and energy savings.

The LED adoption rate in industrial spaces is expected to skyrocket from just 3% in 2014 to a whopping 76% in 2020 and 80% in 2035, according to Frost and Sullivan.

*Reference: ANSI/IES RP-7-17*



LED lighting utilizes up to 80% less energy than traditional lighting systems while improving:



[cooperlighting.com/industriallighting](http://cooperlighting.com/industriallighting) 

# Why LED Industrial Warehouse Lighting?

Cooper Lighting Solutions offers a complete portfolio of high bay, low bay, vaportite, exit and emergency lighting and traditional LED luminaires, as well as controls and connected lighting solutions, specifically designed to meet every industrial warehouse facility needs.



**Increased productivity and safety** - Better LED lighting will enhance the quality and safety of the workplace, improving mood, energizing workers and reducing workplace accidents due to the high quality of light LEDs emit. In addition to increased light levels, Cooper Lighting Solutions LED warehouse lighting solutions products meet all electrical code, life safety and compliance standards.



**Maintenance Savings and Performance** - LED lighting systems have a minimum expected life of 60,000 to 100,000 hours. These easily maintainable systems have an estimated maintenance savings of 60-78%. LEDs are available in a wide array of brightness levels (lumen output), color variations (CCT) and aiming ability. From providing the best lighting for production and assembly spaces, to fully illuminating warehouses, LEDs are able to provide the ideal light for every situation.



**Smart Lighting and Energy Savings** - LED controls and connected systems help meet code compliances, provide deep energy savings and improve operations. From dimming and occupancy/motion sensors to networked wireless connected lighting systems, these systems have a positive impact on the bottom line. LED lighting can provide up to 80% less energy than traditional lighting systems. When integrating controls, savings can increase up to 83%.

*Reference: ANSI/IES RP-7-17*



# Our brands

At Cooper Lighting Solutions, we deliver industry leading indoor and outdoor lighting products, lighting controls, smart lighting systems, programs and services.

## METALUX



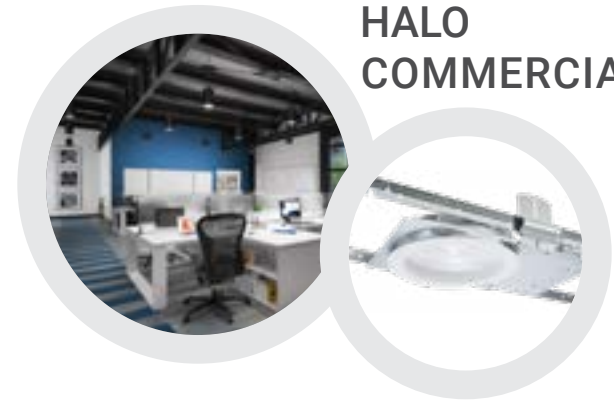
Commercial and industrial recessed, linear, surface and high bay solutions.

## GREENGATE



Lighting control sensors, panels and switches for multiple control configurations.

## HALO COMMERCIAL



Recessed downlights, surface, track and outdoor solutions.

## LUMARK



Outdoor lighting for commercial and industrial spaces.

## SURE-LITES



Exit and Emergency fixtures, battery packs and inverters solutions.

**DOWNLOAD  
THE PRODUCT  
SELECTION GUIDE**



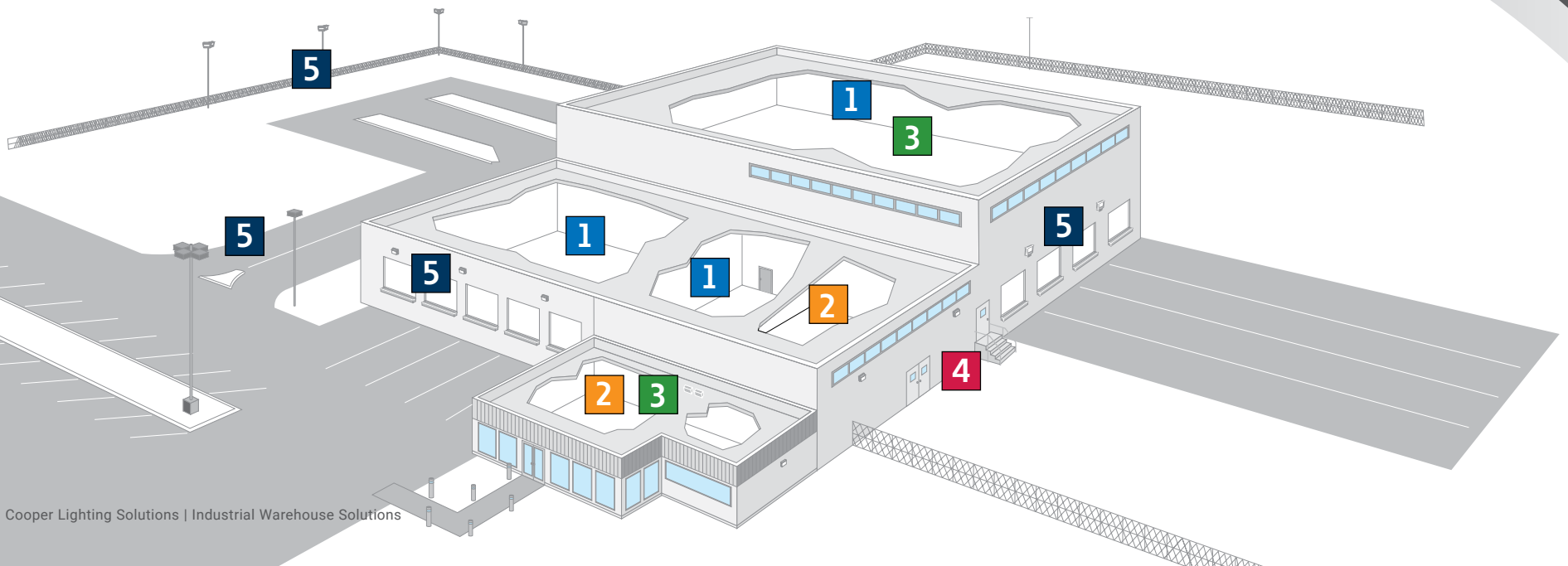
# Complete sustainable lighting and controls solutions.

From warehouse aisles and assembly lines to offices and parking lots, Cooper Lighting Solutions is your one source for energy efficient and sustainable lighting, controls and connected lighting solutions. Our turnkey systems from our specialized brands address the specific needs of industrial facilities to provide a productive and safe environment.



## SOLUTIONS FOR AN INDUSTRIAL ENVIRONMENT

Warehouse aisles • Fulfillment/Assembly areas • Offices • Kitchens and Cafeterias  
Staircases and Corridors • Foyers • Bathrooms • Parking Lots and Pathways • Building exteriors...and more!



**1** Warehouse/  
distribution areas

Industry leading high bay LED technology offers instant on and off capability, multiple accessories, light distributions and mounting options.



UHB



VHB



OHB



SLSTP

**2** Offices/  
general areas

Ambient lighting solutions offer installation flexibility for a variety of applications.

Recessed downlights and cylinders designed to meet commercial energy code requirements.



Cruse ST



FPS



PR6

**3** Lighting controls

Full line of relay panels and energy management systems for complete facility control of lighting systems.



LITEKEEPER



SWITCH PACK



OAC



OSW

**4** Emergency and  
life safety

Complete selection of life safety emergency lighting, exit signage and Code compliant battery backup.



APC



APX



SEL



SELW

**5** Security/site

Outdoor site and security fixtures for flood and general area lighting.



NIGHT FALCON



PREVAIL



CARETAKER



WPLED

# High Bay & Low Bay Lighting

## Warehouse / Distribution / Logistic Centers

Lighting warehouses and distribution centers can be challenging. Not only does the lighting fixtures have to produce high lumen output at low wattages, but they must be able to operate in a wide range of temperatures and environments.

Cooper Lighting Solutions offers a complete selection of high bay solutions, which are designed for ceiling heights over 20 ft., and low bay solutions for ceilings under 20 ft. to meet the needed criteria.

**METALUX LHB LED**



**METALUX UHB LED**



**METALUX VHB LED**



**METALUX OHB LED**



**METALUX SLSTP LED**



**METALUX VT3 LED**







		High Bay	High Bay	High Bay	High Bay	Strip	Vaportite
		LHB	UHB	VHB	OHB	SLSTP	VT3 LED
APPLICABILITY	Warehouses	★★★	★★	★★★	★★★	★★	★★★
	Manufacturing	★★	★★	★★	★★★	★★	★★★
	Storage	★	★	★★★	★★★	★	★★
	Large Indoor				★★★		★★★
	Complex Environments		★★	★			★★★
FEATURES / PERFORMANCE	Lumen Range	12,000 - 36,000	12,000 - 30,000	Lumen Select	12,000 - 60,000	2400-5800	2,000 - 8,000
	Efficacy (Max)	140 lm/W	137 lm/W	147 lm/W	207 lm/W	125 lm/W	154 lm/W
	CRI	80	80	70, 80, 90	70, 80, 90	80	70, 80, 90
	Distribution	M	M	N, W	N, W	G	G, W, P
	Sizes	13" x 2' & 4'	12" Dia	< 2'	Scalable	2', 4', 8'	2', 4'
	Housing	CRS	Diecast	CRS / Extruded	CRS	CRS	Fiberglass/Polyester
	Lensing	Acrylic	Polycarbonate	Polycarbonate	Acrylic	Clear, Poly	DR Acrylic or Polycarb
	Life (@ 60K hrs)	L84	L91	L83	L96	L84	L91
	Ambient Range	-40C to 40C	-40C to 45C	-40C to 55C	-40C to 55C	-20C to 40C	-40C to 50C
	Emergency	Remote	None	Remote	Integrated	None	Yes
	Ratings	Damp	IP65	Damp	Damp	Damp	IP67
	DLC	Premium	Premium	Standard, Premium	Premium	Standard	Premium

★★★ = high applicability, ★★ = medium applicability, ★ = low applicability, blank = non-applicable

# Interior Lighting and Controls

Offices / Breakrooms / Corridors/ Restrooms

Our extensive portfolio of LED ambient luminaires and controls products offer a perfect balance of optical control, energy efficiency and installation flexibility. Our reliable exits and emergency lighting products offer durable construction, labor-saving installation features, reduced maintenance functionality and meet UL924 life safety code compliance.

## AMBIENT



METALUX  
CGT LED Panel Series



METALUX  
Cruze ST LED Series



METALUX  
FPS LED Panel Series

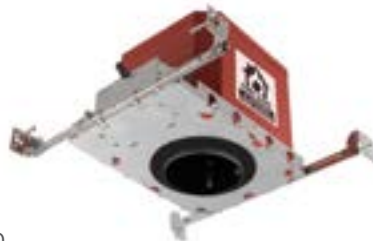
## RECESSED



HALO COMMERCIAL  
PR6 Series



HALO  
LCR Light Commercial  
Downlight



HALO  
Fire Rated Housings

## EXIT & EMERGENCY



SURE-LITES  
SEL LED Emergency  
Lighting



SURE-LITES  
SELW LED Emergency Light



SURE-LITES  
APC LED Emergency Combo Light

## CONTROLS



GREENGATE  
LightKeeper 8 Lighting  
Control Panel



GREENGATE  
OAC MicroSet Dual  
Tech Ceiling Sensors



GREENGATE  
0-10V OSW  
Wallbox Dimmer  
Sensor

# Exterior Lighting

## Parking Lots / Pathways / Canopies

The comprehensive line of outdoor site and security luminaires provides high-performance illumination, feature rugged construction and high-efficiency optics for maximum energy savings and reliability.

### WALL & CANOPY



LUMARK  
WP LED Glass Wall Pack



LUMARK  
Crosstour LED Wall Pack



LUMARK  
CLCS LED Canopy

### FLOOD / FACADE



LUMARK  
Night Falcon Floodlight

### AREA/SITE



LUMARK  
Prevail LED Area/Site



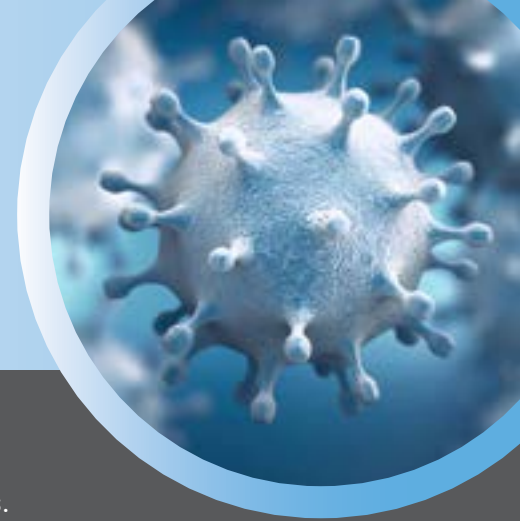
LUMARK  
LAS Area/Site



LUMARK  
Caretaker LED Area/Site

# Fail-Safe **GUV** Disinfecting Solutions

**Make a difference in a world** that is adjusting to a new normal by empowering health and safety. Fail-Safe GUV Disinfecting Solutions combine safeguards and germicidal ultraviolet (GUV) fixtures to unlock the proven power of UV-C to kill bacteria, mold, fungi and inactivate viruses - including SARS-CoV-2. GUV is chemical-free and disinfects in minutes, saving hours of costly manual labor.



## Trust Cooper Lighting Solutions

- Our GUV systems use optical and electrical engineering to ensure effective pathogen elimination within minutes.
- Our team of experts can provide fixture and control layouts with professional results.
- Cooper Lighting Solutions has developed the first and only UL8802 Safety Certified GUV system for surface disinfection and our air disinfection solution meets new UL1598 Annex L requirements.



- 254nm, Non-visible
- Proven Technology (no known tested micro organisms resistant to UVC) <sup>1</sup>
- Proven Pathogen Effects
  - Inactivates viruses
  - Kills bacteria
  - Kills mold and fungi
- Exposure Time is short

### **GERMICIDAL UV (GUV)**

**Superior Pathogen Effect  
Controllable Exposure Risks  
Proven Technology**

<sup>1</sup> Fluence (UV Dose) Required to Achieve Incremental Log Inactivation of Bacteria, Protozoa, Viruses and Algae Revised, updated and expanded by Adel Haji Malayeri, Madjid Mohseni, Bill Cairns and James R. Bolton. With earlier contributions by Gabriel Chevretil (2006) and Eric Caron (2006) With peer review by Benoit Barbeau, Harold Wright (1999) and Karl G. Linden.



# Upper Air **GUV** Disinfection

## Quick, Continuous Disinfection

GUV provides continuous disinfection in minutes. Quietly increase equivalent air changes per hour up to recommended levels while eliminating pathogens in the air.

## Designed with Your Safety in Mind

Fail-Safe's GUV Air Disinfection solutions distribute GUV in the upper air, guarding room occupants from direct exposure to GUV. The result is air that's constantly cleaned while people are present.

## Save Money and Time

No control systems are required to operate Fail-Safe's GUV Upper Air Disinfection products saving total costs. Installation is simple and quick. There is no additional demand on the HVAC system.

## Safety First



- The National Electric Code (NEC) requires all permanently installed electrical equipment to be tested and certified by an OSHA approved NRTL.
- Cooper Lighting air disinfection solution meet UL1598 annex L requirements for use in occupied spaces.

### Fast

Disinfects in a matter of seconds

### Proven

Successfully used for over 40 years

### Effective

No known pathogen that has been tested to date is resistant to UV-C

### Versatile

Can be used in numerous applications

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MORE  
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## Upper Air **GUV** Fixtures



### **GAW** GERMICIDAL UV AIR WALL MOUNT

Ideal for larger spaces with walls that are greater than 20' apart and with ceilings greater than 9'.



### **GAC** GERMICIDAL UV AIR CEILING MOUNT

Ideal for smaller spaces with walls greater than 6' apart and on ceilings above 9'.

## GUV Fixtures



### **GLR** GERMICIDAL UV LOUVERED RECESSED



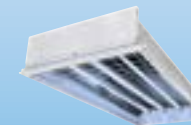
### **GSL** GERMICIDAL UV STRIPLIGHT



### **GH** GERMICIDAL UV HIGHBAY



### **GUC** GERMICIDAL UV UNDERCABINET



### **GTR** GERMICIDAL UV TROFFER

# Connected Lighting Solutions

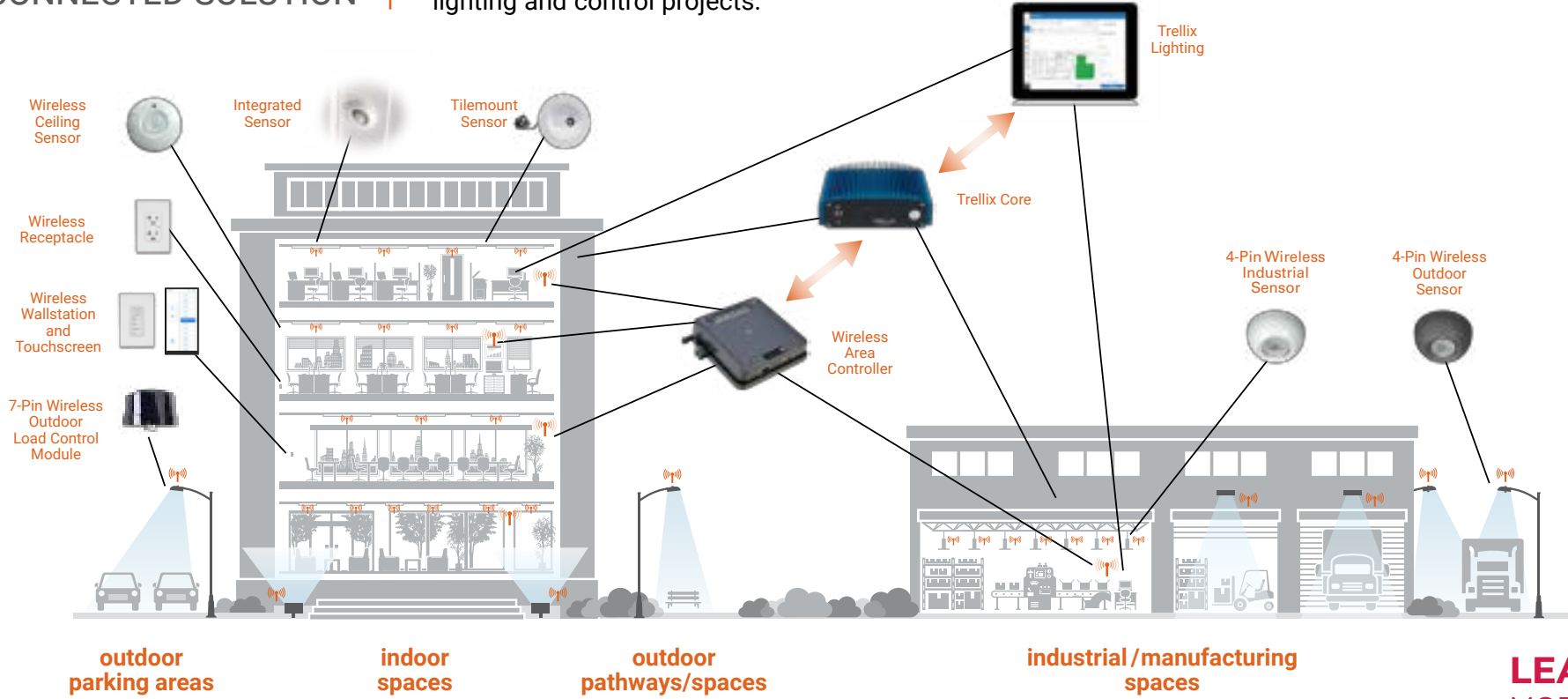
Savings that impact the bottom line!

With the most connectivity options on the market, our portfolio of WaveLinx Connected Lighting Solution and Trellix Smart Spaces IoT Platform improve operations by helping to increase safety, meets code compliance and brings new efficiencies to light, while providing years of hassle-free performance and savings.

## WaveLinx

CONNECTED SOLUTION

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 indoor and outdoor spaces. Complete projects faster while reducing cost with the WaveLinx system, for LED lighting and control projects.



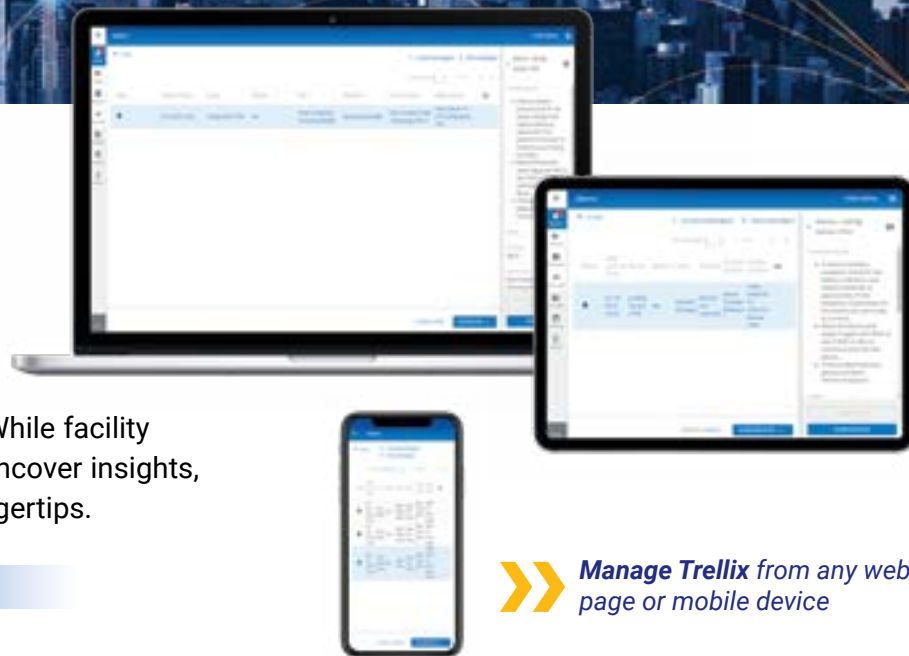
**LEARN MORE HERE** 



# TRELLIX

SMART SPACES IoT PLATFORM

We've made it easier for businesses to aggregate and make sense of data. While facility managers were once burdened with sorting through piles of documents to uncover insights, systems like the Trellix Smart Spaces IoT System puts everything at their fingertips.



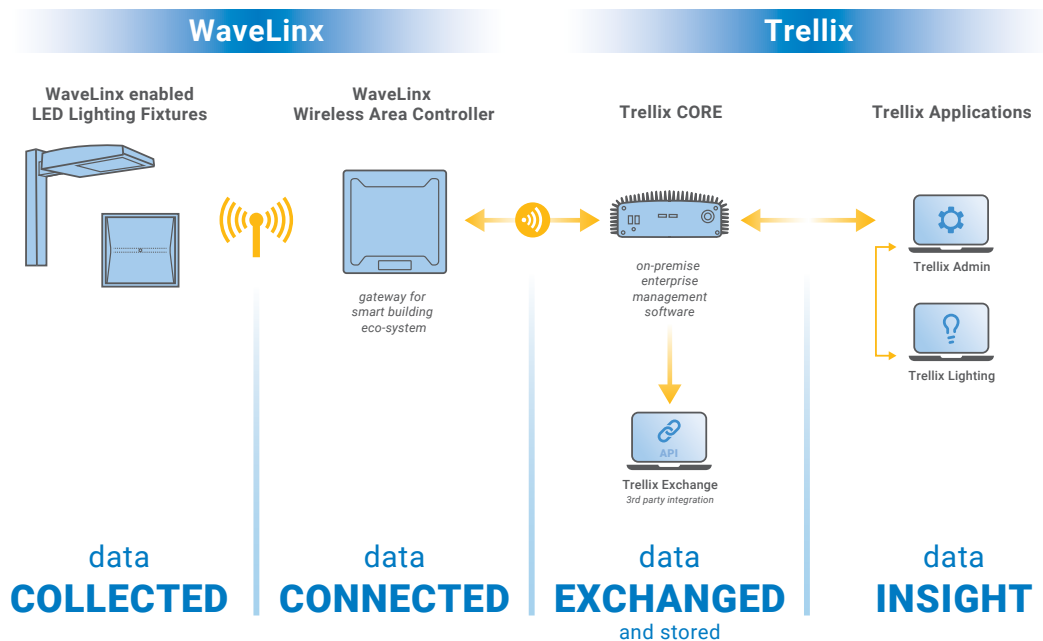
Manage Trellix from any web page or mobile device

## Trellix Devices



Trellix Core Pro

Trellix Core Enterprise / Virtual Trellix Core Enterprise



LEARN MORE HERE

# MWS Modular Wiring Systems

**Less time. Less labor. Lower cost.**

Cooper Lighting's Modular Wiring System (MWS) lowers total job cost vs. traditional wiring methods in new construction and renovation projects. MWS is simple, cost-effective, and can be installed in minutes. Components arrive at the job site completely assembled and ready to be snapped together to form a branch circuit system.

**NO BENDING, CUTTING, OR ASSEMBLY IS NEEDED.**

- Seamlessly works with recessed, pendant, surface and downlight line to bullets
- Reduces installation setup time and labor costs
- Flexible, reconfigurable system enabling future changes within a space
- Allows for make or break under load
- Improved worker safety when servicing fixtures



## Faster Projects

Reduce construction cycle time with less labor and faster installation.



## Flexible & Sustainable

Saves an average of 50% off labor and project expenses.



## Maximum Savings







Easily configure the system for future additions and renovations.



**LEARN  
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# Planning Installation Checklist

-  Coordinate your lighting project with your local Cooper Lighting Authorized Distributor and Manufacturer's Representative.
-  Choose lighting fixtures and controls that meet your space requirements for operational efficiency.
-  Determine the lighting levels required to meet local code and safety requirements.
-  Select the highest energy efficient LED luminaires that meet your operating criteria.
-  Incorporate lighting controls to increase energy efficiency, and lower your total cost of ownership.
-  Schedule and prepare your site for installation.

**FIND YOUR LOCAL COOPER LIGHTING AUTHORIZED  
DISTRIBUTOR AND MANUFACTURER'S REPRESENTATIVE**



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## 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

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