A lighting system that transforms into an enterprise network

Eaton’s LumaWatt Pro powered by Enlighted is the connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.
Simple system to solve complex needs

A wireless sensor platform for connected buildings

LumaWatt Pro transforms a lighting system into an IoT infrastructure with limitless potential to keep up with the growing service demands of people, property and resources. LumaWatt Pro is a distributed network of smart LED lighting fixtures with integrated sensing and beacon technology that captures real-time data; making your facility smarter so you can make smarter decisions.
Better data. Better decisions.

Beyond brilliant:
A high-efficiency lighting system that doubles as an enterprise network.

- LED lighting and advanced lighting controls bring an IoT platform into your buildings
- Create value by making operational decisions through real-time data and analytics
- Simple and scalable way to manage one system for all your needs
- Safety, security and productivity improvements through value-added applications

For a complete list of compatible products, see: www.eaton.com/LumaWattPro
Technology
Harness the power of connected lighting

The LumaWatt Pro system, complete with LED luminaires, integrated wireless sensors, and controls, is the new standard in performance. Leveraging an advanced IoT platform, the system collects real-time data to enable energy efficiency, smarter space planning, enhanced safety and productivity, and more. And, the potential for future applications is endless.

Efficient
LumaWatt Pro can reduce lighting energy costs by 70%, providing high-efficiency lighting control strategies.

Insightful
LumaWatt Pro provides dashboards of real-time lighting energy usage, projected energy savings, and lighting system health.

Equipped
LumaWatt Pro transforms a lighting system into an IoT infrastructure with limitless potential to harness and leverage building data.

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Save energy and gain the power of information

Lighting fixture with integrated sensor
An LED light source that doubles as a data collection point

Wireless Gateway
Stores and transmits real-time building usage data

Energy Manager
Leverages building data to help you optimize your savings

Energy Manager Software
Use your data in Energy Manager, SPACE, AIRE, WHERE and other popular building resource programs

= up to 70% SAVINGS on lighting energy costs
Solutions
An investment that pays for itself

With the LumaWatt Pro Connected Lighting System powered by Enlighted, you can expect to save up to 70% of your lighting energy costs. Updating to high efficiency LED lighting fixtures with LumaWatt Pro’s integrated sensors can mean hundreds of thousands of dollars in savings per year.

Gain the power of information

LumaWatt Pro delivers powerful information and dashboards, right to your browser. See your real-time energy usage, projected energy savings, and system health reports, and get a more comprehensive understanding of total lighting systems performance.

- Occupancy/vacancy-based control
- Daylight-responsive control
- Schedule-based control
- Task tuning
- Scene-based control
- Receptacle control
- Demand response
- BMS integration

Payback period as little as 18 months: installation and services paid for out of energy cost savings
Make better real estate decisions with visual insights

Enlighted’s Space application provides actionable insight into building usage, with detailed occupancy views and graphs leveraging LumaWatt Pro’s Sensor Network data. Seeing detailed, non-intrusive views of workspaces and employee movement allows you to increase productivity, optimize workspaces, and drive cost-saving initiatives.

Reduce real estate cost by 20%

Heat maps and Motion trails offer accurate insight into building usage, detailed occupancy views and patterns using the data collected

The utilization rate for leased spaces is less than 50%

Source for data: McKinsey

Space Productivity dashboard
Create metric by space and get visibility and insight into your real estate assets. Identify poorly / overly used areas and get insight into how utilization changes over time
Losing time looking for equipment?

Increase safety and security by creating and configuring boundaries and set immediate alerts for patients and high valued assets.

Using Enlighted’s Where application, the first place you look will be the last. Save time looking for misplaced equipment using Bluetooth connection points, which locate items with data tags attached. The system will reveal its exact whereabouts through a cloud-based app. The distributed network of Eaton’s smart LED lighting, gives the ability for reliable asset tracking, saving time looking for equipment.

Nurses lose up to 15% productivity searching for equipment.

Asset Analysis dashboard gives insight into your assets by space category and type.
One system. Multiple solutions.

LumaWatt Pro is completely connected, completely scalable, and completely smart. Leverage today's most advanced Internet of Things technology to convert your indoor and outdoor LED lighting system into a cost-saving machine that's painless to use and maintain.

Make better use of building and parking resources with LumaWatt Pro.
Advanced controls

Deliver the right light at the right time

The LumaWatt Pro lighting system offers superior performance and eliminates energy waste by providing the right amount of light, at the right time, in the right place. Able to control the lighting system on a fixture-by-fixture basis, the integrated wireless sensors monitor the occupancy and available daylight of the surrounding environment, and execute the programmed schedule, ensuring the lights are on when needed, at the correct level, and off whenever possible.

Energy Manager

The Energy Manager configures and manages the behavior of the lighting system and transitions it to an enterprise network, sharing system data and offering insight into the use and status of building resources. It generates dashboards that detail energy use, energy savings, and lighting system health.

- Creates lighting control profiles
- Aggregates and manages data
- Detailed reports on savings and maintenance needs
- Standards-based communications
- Building system integration using BACNET
- Local, browser-based user interface
- Configurable role-based accounts
- Optional email status alerts for system events
- Automatic, full backup to USB drive
- Hardened, solid-state edge device
- Stores reported data for up to 36 months
- Flexible deployment

Fixture-Integrated Sensor

Sensors are factory-installed in each luminaire. Just install the LED fixture at the jobsite.

Wireless Wallstation

The wallstation communicates wirelessly with local fixture-integrated sensors to change light levels in the area using four, easy-to-understand buttons.

Wireless Gateway

The gateway communicates wirelessly to sensors, wallstations, and receptacle/relay controllers.

Wireless Receptacle/Relay Controller

Turn receptacles on and off in response to occupancy while reporting their usage.
Lighting products

The LumaWatt Pro system is compatible with many LED fixtures. Indoors and outdoors, LumaWatt Pro integrated luminaires cover the entire building with one complete system.

**Ambient lighting**

Metalux
*Encounter*
Recessed ambient WaveStream LED

Metalux
*SkyRidge*
Recessed ambient WaveStream LED

Metalux
*Cruze*
LED recessed ambient

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Outdoor lighting

McGraw-Edison
Galleon
Area, site and roadway
LED luminaire

McGraw-Edison
Galleon Wall
Area and site wall mount
LED luminaire

McGraw-Edison
Top Tier
Parking garage and canopy
WaveStream LED luminaire

Lumark
Prevail
Area and site
LED luminaire

Lumark
Navion
Area, site and roadway
LED luminaire

Invue
Mesa
Decorative area
LED luminaire

McGraw-Edison
Valet
Parking garage
LED luminaire

Invue
Vision
Architectural area
LED luminaire

For a complete list of compatible products, see: www.eaton.com/LumaWattPro
Ready to get started?

Take your smart buildings to a whole new level of capabilities with LumaWatt Pro Wireless Connected Lighting System powered by Enlighted.

Smart buildings of tomorrow – today.
What is Connected Lighting?

* Eaton’s portfolio of connected lighting solutions leverages the real-estate of the physical light fixture to increase building, business and community operating efficiency through controls and data. With connected lighting solutions, we go beyond controlling light to solve higher complexity problems enabled by sensing and communication capabilities within the light fixture itself.

With innovation you can rely on, and connections you can build on; that’s how Eaton makes connections work.
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