enlighted™

A Siemens Company

Enlighted offers the most advanced lighting control system on the market

Enlighted enables commercial building owners and facilities management to significantly drive down energy costs while improving occupant comfort and safety.

Enlighted Advanced Sensors

Brilliant. Our sensors are not just advanced, they are brilliant. Enlighted has moved lighting sensor technology beyond inefficient analog Passive Infrared (PIR) signals into the world of digital PIR signals and the IoT.

Digital. Digitizing the signal enables us to understand a wider variety of heat signatures that were previously hidden. We offer the only sensor on the market that is able to focus completely on people and ignore everything else.

Communicative. Unique to Enlighted, our sensors know the difference between heat and movement generated by people versus other sources. The sensor constantly monitors its area for even the slightest of changes and factors in ambient light levels to maintain the desired level of overhead lighting. And because Enlighted sensors communicate over a wireless network, no CAT-5e installation is required.

Effective. All of this intelligence is contained in a compact form factor that is not only beautiful – it promises to significantly lower energy costs.
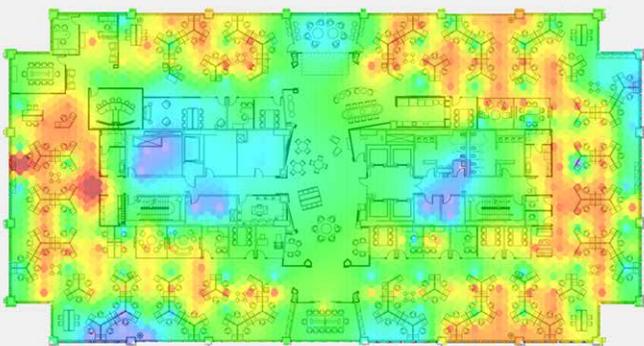
Enlighted Energy Manager

Integrated. Enlighted Energy Manager works closely with our advanced sensors to produce a commercial-grade lighting control system that is second to none. Constant communication with Enlighted sensors maintains lighting at its most optimum level for occupant comfort and energy efficiency.

Insightful. Information from each sensor is pushed to the Energy Manager for usage analysis. Providing important data about how a building is being utilized by its occupants allows building management to adjust usage to increase energy efficiency. The Energy Manager also provides important information about how much energy the new lighting system is saving the company.
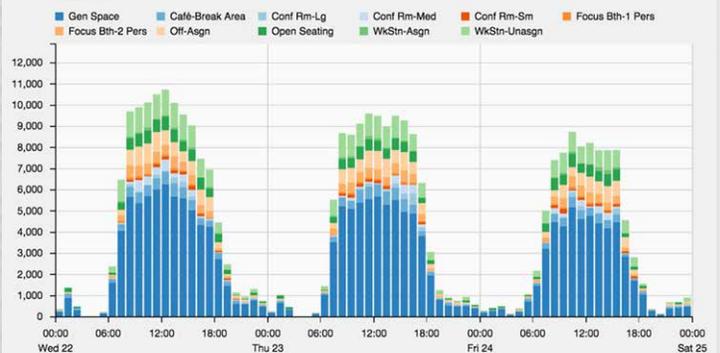
Real-Time. This real-time information makes it easy to project the annual ROI that will be realized from the Enlighted advanced lighting system.

Powerful. Finally, building management has been given access to the right tools and information to take control over their organization's energy usage.

Bldg 41, San Francisco – Energy Consumption Map
Lighting System – 08:00 - 09:00

Bldg 35, San Francisco – Energy Consumption by Space Category
Hourly Data

Compliance Made Simple

Adaptive. In 2013 and 2016, the California Energy Commission updated its Title 24 Energy Efficiency Standards, significantly changing what "up to code" means for commercial buildings. The new code changes introduce requirements for making adaptive lighting the new standard in California.

The new 2016 code changes will take effect for any site pulling a permit after January 1st, 2017. See our 2016 Title 24 Guidance paper for more information.

Robust. The Enlighted Internet of Things (IoT) platform meets and exceeds 100% of the "adaptive" requirements of Title 24. Enlighted has moved our lighting sensor technology beyond in-efficient analog Passive Infrared signals into the world of digital signals and the Internet of Things (IoT).

Future-Proof. The Enlighted IoT platform is software upgrade-able, giving customers the ability to meet future code changes.

Key Requirements

- ○ **Section 130.1(b)** – Multi-Level Controls that support continuous dimming and shut off when spaces are unoccupied

- ○ **Section 130.1(d)** – Automatic Daylighting Controls that adjust lighting according to ambient light levels

- ○ **Section 130.1(e)** – Demand Response Controls to automatically reduce lighting energy use by at least 15 percent

- ○ **Section 130.5(a)** – Service Metering to report on total electrical use

Out-of-the-box compliant

100% digital

100% adaptive

100% compliant*

*CA TITLE 24 and ASHRAE 90.1-2010 COMPLIANT

Bringing Commercial Real Estate into the Internet of Things

Revolutionary. Enlighted's advanced lighting system is built on an Internet of Things (IoT) architecture that is revolutionizing the way buildings and people interact.

Innovative. Enlighted has been leading the advancement of controlled lighting system intelligence. Our break-through digital passive infrared (PIR) technology combines what historically took the work of multiple unique analog sensors into a single unit that is compact, beautiful and easy to install.

Intelligent. Each Enlighted sensor is equipped with a microprocessor that collects and then passes a rich set of environmental data to our Energy manager for processing and analysis. Enlighted sensors also use the environmental data to continuously make lighting adjustments in real-time, guaranteeing occupant comfort.

Extensible. Enlighted's advanced lighting system spans well beyond lighting control. The system is also currently being utilized for space planning, HVAC management and conference room scheduling.

Holistic. Our long-term goal is to take a whole building management approach to offering facilities greater visibility and control that combines occupant comfort and safety with measurable energy savings.

"Enlighted's mission is to make buildings brilliant by giving them an advanced sensory system. This allows building owners, operators and users to gain rich actionable insights into their operations and unmatched operating efficiencies, at every minute of the day."

Joe Costello, Enlighted CEO

Enlighted Spaces

Commercial Offices

Commercial offices today house a variety of spaces with widely varying lighting requirements. From conference rooms to small hoteling workstations to open office plans, Enlighted's system allows customers to adjust lighting levels for optimized energy use, user comfort and desired ambiance in every corner of every room. With Enlighted's system, every individual user is empowered with control; maximizing productivity and workplace happiness.

Education Buildings

From a single building to a campus of multiple buildings, Enlighted's system enables campus Facility Managers with a way to limit energy use in order to meet sustainability goals and policies, while increasing the comfort of building users. At CSU Dominguez Hills for example, Enlighted was chosen because our sensors could be installed into existing fixtures, rendering an upgrade a simple and cost-effective option. In the last two years, the university has reduced energy usage by 78 percent and office energy usage by 50 percent in areas where it has deployed Enlighted's smart sensors.

Enlighted Spaces

Data Centers

Data centers are characterized by hot and cold aisles that false-trigger analog passive infrared sensors. Because the Enlighted system can mask the temperature in our digital sensors, false positives and false negatives in this very tricky space type are avoided. Enlighted's data visualization capabilities can also help Facility Managers identify these hot and cold spots to more effectively manage server function.

Industrial/Warehouses

Characterized by large open spaces, high ceilings and 24X7 operations, industrial and warehouse spaces require highly intelligent sensing capabilities, where humans can be distinguished from inanimate objects, eliminating false positives and negatives. Enlighted's system offers the most effective lighting control for this application, as well as providing building energy management, monitoring, and alerts that equip facility managers to enhance workplace safety and productivity.

Enlighted Customers and Awards

We are helping customers like Google, AT&T, LinkedIn, Intuit and Starbucks meet their corporate sustainability objectives by saving more than 70 percent annually on their energy costs.

NASA · at&t · Apple · Starbucks

Google · Deutsche Bank

Lilly · LinkedIn · JDSU

ORACLE · Adobe · REI www.rei.com

UBER · Nike · Lam RESEARCH

MERCK · BNY MELLON · Bell

FLEXTRONICS · Genentech

"Enlighted is a no-compromise solution. We reduced our energy spend where the system was installed by 65-80%, while increasing the comfort of building users."

Kenny Seeton, Energy Manager at California State University

Recent Awards

"Top Project of the Year Award"
—Environmental Leader
Product & Project Awards

"Winner of Supplier Sustainability Award"
—AT&T

"Top 10 Innovative Companies"
—Lux Research

"Top 100 Global Winner"
—Global Cleantech

"America's Top 100"
—Red Herring

"Business Environment Award Winner"
—Acterra

"100 Most Promising Big Data Solution Providers"
—CIO Review

If you'd like to partner with Enlighted, visit www.enlightedinc.com/partner