

# Enlighted Advanced Sensor

## Finally - A Sensor that Offers Beauty and Brains

At the heart of Enlighted's lighting solution sits the most advanced digital sensor ever designed. Enlighted's Advanced Sensors distinguish between people and objects, offer customizable controls for specific tasks and leverage ambient light. Our sensors are not only technically superior – they actively help building or facility management professionals make smarter decisions about the spaces they oversee.

## Granular-Level Lighting Control

Most commercial buildings have many lighting needs. Private offices, conference rooms, restrooms, hallways, open work areas and warehouse space are unique zones – each with unique lighting demands. Enlighted's 1:1 deployment architecture (one sensor hardwired to each fixture), allows sensors to fine tune and maintain lighting levels for each individual occupant, providing maximum comfort and energy efficiency.

## Sensor Capabilities

Enlighted Advanced Sensors offer high-value capabilities that satisfy two business benefits: Energy Savings and Comfort & Convenience. Capabilities are executed by software that is stored on microprocessors built into each sensor. Enlighted Advanced Sensors are Title-24 and ASHRAE 90.1 compliant out-of-the-box; and will adhere to updates to these standards through a simple update of the software – without any changes to system hardware.



**Better sensors mean better performance.**  
**Future-proof – Intelligent - Adaptive**

### ENERGY SAVINGS

- Task Tuning/High-end trimming
- Daylight harvesting
- Occupancy/Vacancy detection
- Auto and advanced demand response programs
- Time-of-Day dimming schedule
- Real-time energy savings reports

### COMFORT & CONVENIENCE

- Advanced occupancy detection
- Light-level stability
- Configurable Dim-and-linger occupancy
- Personalized setting profiles
- Stay-with-me lighting effect
- Fixture outage reports

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## The Ultimate in Occupant Comfort

Each Enlighted Advanced Sensor is equipped with its own microprocessor that manages and maintains optimum lighting levels. Building facilities professionals define lighting profiles for each individual or occupant type through a web-based interface. Loaded into the sensors, lighting levels are maintained strictly based on these profiles. A built-in power meter enables the sensor to read the environment 65 times per second. Fine tuning lighting levels in increments this small and so fast leaves occupants unaware an adjustment took place. Enlighted's goal is to become so invisible that building occupants do not realize that our sensors exist.

## Standards-Based Wireless Networking Makes for Fast and Secure Implementations

Communication to and from Enlighted Advanced sensors happens over a secure AES 128-bit encrypted wireless network that adheres to the 802.15.4 wireless protocol. Enlighted wireless sensor installations do not require above ceiling wiring, making them not only significantly faster to implement and commission but also far less disruptive to the building. The sensor's small form factor and flush mount design enable it to blend into its surroundings while it monitors occupancy, daylight and temperature.

Enlighted Advanced Sensors provide the simplest and most advanced way of automating and managing a commercial building's lighting infrastructure. Owners of commercial office spaces and warehouses benefit from substantial energy savings while occupants enjoy unprecedented control and comfort.

-  Highly advanced digital sensors – intelligent, flexible, compliant
-  Sensor focus – temperature, light, IR and power level
-  Sensor microprocessor – fine tunes lighting continuously
-  One sensor for every light – most optimal energy efficiency
-  Unique architecture stitches it all together
-  Easy to design, install, commission and service
-  Advanced wireless network that scales
-  Compact form factor blends with environment
-  Secure and extremely robust



For more information,  
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