Reduce Energy Usage By 70%

Limelight's wireless system allows users to light harvest both day and night. Facilities are "perfectly calibrated" throughout the daylight hours, and set to low light output until activity is detected in the evening hours. Energy savings is maximized, while the customer experiences an environment that is pleasing to the eye. Simply put, it's a win for all parties.

limelight™ by twistHDM

ENERGY SAVING STRATEGIES

You can cut energy usage by as much as 70 percent with Limelight through a variety of energy-saving strategies.

Scheduling Protocols
- Customize light groupings and schedule facility control
- Reduce energy costs up to 30 percent versus using occupancy sensors alone

Zone Control
- Zone and rezone without rewiring
- Allows immediate response to any change in the environment — point-and-click to rezone lights and other components

Peak Energy Shaving
- Reduce energy demand costs up to 30 percent
- Controls and staggers power-on
- Allows scaling back during peak energy times

Multi-level Switching
- Adjusts light dimming levels by fixture or by zone
- Reduces lighting power usage up to 80 percent
- Meets the bi-level switching standards required by the Energy Policy Act of 2005 (EPAct), which may qualify your organization for a tax deduction of up to 60 cents per square foot for investment in energy efficient components

Automatic Demand Response
- Reduces electrical and HVAC usage in response to the demands of high wholesale electricity prices,
- Capacity needs or system reliability events
- Shifts usage to low-priced periods

Daylight harvesting & Occupancy Controls
- Automatically detect daylight and occupancy, and adjust output levels

Carbon Emissions Trading
- Reduces electrical consumption which, in turn, reduces CO2 output via electrical generation
- Addresses governmental regulations in U.S. and Europe

BUILDING CONTROL

The Limelight wireless mesh network is fully integrated with your systems, giving you a variety of options to reduce energy usage, improve sustainability and provide complete building control.

Web-based Interface
- Provides total building control everywhere lighting systems reach
- Secure, remote management via the web-based dashboard
- Monitor, control and manage building systems and assets from anywhere

Self-healing Mesh Network
- 7.5 times larger than any competitor to provide unprecedented control, speed and reliability
- Provides non-stop control through multiple pathways
- Each node can communicate with any other node on the network. If one node drops out of the network for any reason, the node is identified and its neighbors instantly find another path

Scalable System
- Each node is scalable and forward-thinking
- Grow and increase control when and where you need it
- Immediately implement changes as new needs arise or new applications are introduced

Simplified Reconfiguration
- Reduces downtime, the number one source of lost income among build-to-suit companies
- Reduces costs associated with moves, adds and changes by as much as 85%
- Point-and-click to rezone. No new wiring, no new circuits to the j-box

Eliminate or Reduce Technology Upgrade Costs
- Utilizes open systems protocol based on the ZigBee® standard – 802.15.4 – to support growth and change
- Add capabilities as needed – forward thinking and scalable.

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