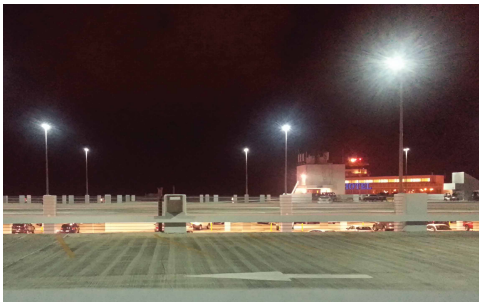
BRIGHTLIGHT SYSTEMS

Bright Light Management System

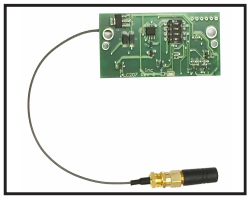
Take Control of Your Lighting



Bright Light Management System (BLMS) allows customers unprecented control of over their lighting investment. By combining solid-state LED and Light Emitting Plasma (LEP) technology with advanced wireless capabilities, BLS provides a comprehensive lighting solution that achieves up to 30% greater energy savings by intelligently controlling and dimming lights. Our external controller plugs into a NEMA C136.41 twist-lock receptacle and allows remote on/off powering, dimming control down to 10%, and monitors Watts, kWhours, and lamp maintenance information. All data is collected by a BLS Gateway which provides secure, encrypted communication to the Bright Light Management System. The BLMS provides real-time status at the fixture, zone, or network level with energy consumption and maintenance reporting capabilities. Wireless control offers an optimal lighting solution that further reduces energy costs while significantly increasing the overall product lifetime.

Wireless Technology

Controller



Specifications

- 0-10V or serial dimming control output
- Less than 2W power usage
- 2.4 GHz IEEE 802.15.4 network
- Integrated real-time clock
- Utility grade measurement to +/- 1%
- Up to 500m between nodes
- 120-480 VAC (50/60Hz) input voltage
- -45˚C to 70˚C operating temperature
- 128-bit AES encryption
- FCC Part 15 Compliant
- 3-year warranty

Gateway

Specifications

- Ethernet or 3G/LTE connectivity
- Programmable USB Interface
- Less than 4W power usage
- Up to 250 lights per gateway
- Non-volatile memory for configuration
- Stand-alone (network fail) mode
- 120-277 VAC (50/60Hz) input voltage
- -45˚C to 85˚C internal temperature
- -45˚C to 50˚C ambient temperature
- Built-in surge protection
- Weatherproof enclosure, IP65 Rated

Automation and Control

The Bright Light Management System (BLMS) intelligently controls and manages lights in the BLS Network. The BLMS is a cloud-based lighting management platform that provides current and historical energy usage data, predictive maintenance information, and event-based scheduling capabilities. Using 128-bit AES encryption, it securely monitors and stores sensor readings and lamp-life data from each fixture in the network. Built in HTML5, the web-based application is accessible from any smartphone, laptop, or computer connected to the internet. The simple, intuitive interface displays the real-time status of lights in the network, energy consumption information, and allows users to assign an individual or group of lights to a unique zone profile. Zones can accommodate different control scenarios such as sunset / sunrise, motion detection, or a pre-defined lighting schedule. Using the BLMS with your lights optimizes energy usage for a faster return on investment, extends the life of the luminaires, and results in a brighter, safer work environment.

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