

# Billions LCMS™ Cloud -Lite

Innovative Street Light Technology  
Smart Lighting for a Smart City



Network connectivity and smart lighting make the vision of Internet of Things (IoT) feasible. Billion Smart Streetlight Management System – Billion LCMS™ Cloud- Lite is the next generation lighting control designed to optimize streetlight operation and traffic management, which transforms energy-efficient LED lighting into an intelligent, connected platform for data driven applications and discovers a sea of opportunity for energy conservation.

## Browsers Compatibility



Compatible with web browsers including Internet Explorer, Google Chrome, Firefox and iOS Safari, Billion LCMS™ Cloud – Lite automatically generates statistical report for administrators to overview operation status and performance analysis of streetlights and delivers instant alarm notification for any facility failure through monitoring streetlight 24/7.

## Sensing the City



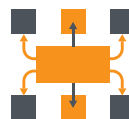
Auto switching on/off lights brings lighting efficiency into new level. Through adjusting lights by environmental luminance, temperature & humidity and motion activities, Billion LCMS™ Cloud- Lite can effortlessly control the streetlight activities by corresponding to different outdoor scenarios.

## Hybrid Communication Intelligence



Reciprocating a variety of communication protocols including 3G, 4GLTE, broadband power line, Zigbee and WiFi, Billion LCMS™ Cloud- Lite ensures seamless and secure data transmission and allows administrators to monitor a wide range of streetlight without distance limitation.

## Scalable Streetlight Management



From small factory, school campus to large public parking lot; from a single to a group of geographically scattered street lamps, we provide a comprehensive smart lighting management solution which can be customized for your specific streetlight operational demand.

## Reliable, Affordable System with High Mobility



Integrating Billion streetlight management system into portable computing device, Billion LCMS™ Cloud-Lite is a convenient monitoring platform which allows administrators to command a series of complicated, time sensitive dimming instructions at only one fingertip away.

## Energy Saving, Sustainable Future



Billion LCMS™ Cloud-Lite can not only save more than 80% of energy consumption and reduce CO2 emission and overall environmental impact, but significantly decrease manpower and maintenance costs each year by following assigned dimming instruction as well as calculating local sunrise/sunset to configure an energy saving roadmap.

## A Safer, Smarter Living Environment

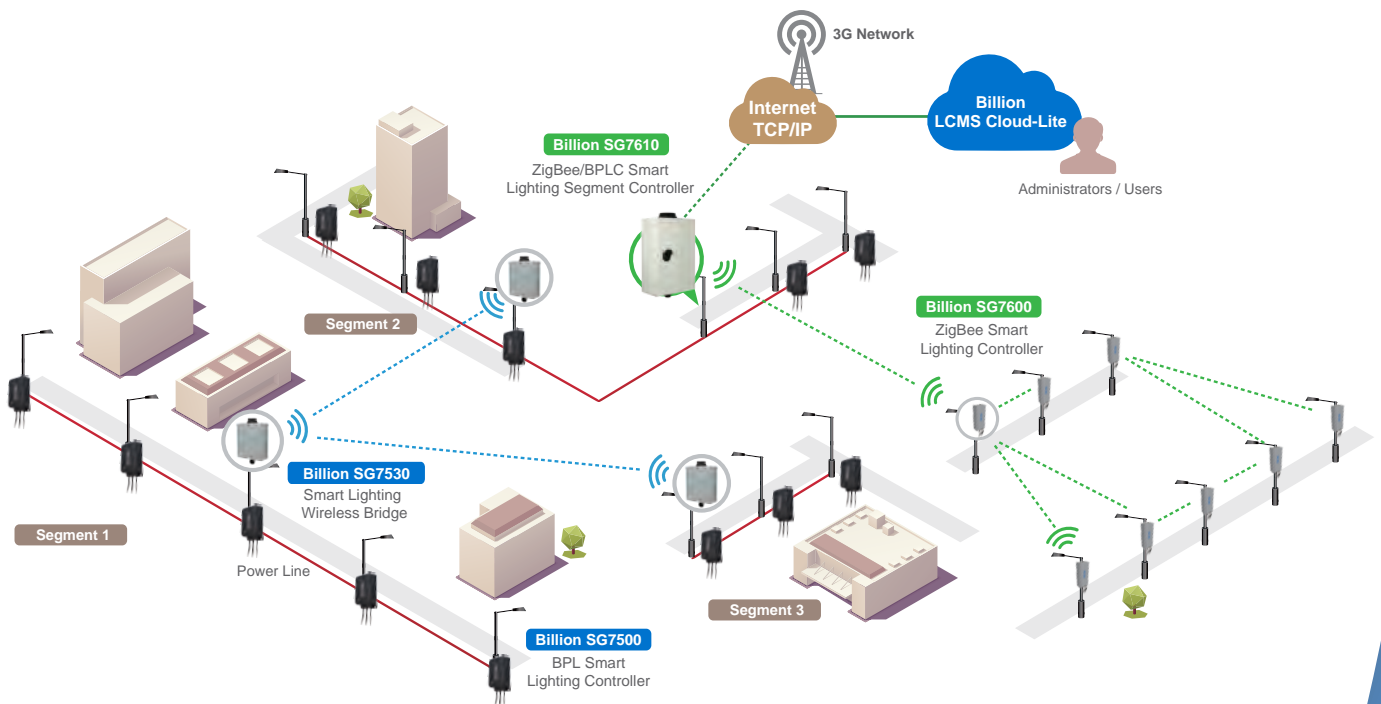


Supporting Smart City applications such as IP camera, street billboard, and public signage, Billion LCMS™ Cloud-Lite enhances the traffic safety and further reduces crime rates for your community by connecting streetlight to IOT.



Billion LCMS™ Cloud - Lite provides administrators web access for automatic and manual monitoring and control over illumination performance of streetlights by daily, monthly and yearly basis to maximize operation efficiency and reduce streetlight management expenses.

## LCMS™ System Architecture BPLC + ZigBee Hybrid Smart Lighting Application Diagram



Suitable for parking lot / campus / industrial park /street lighting applications



## LCMS™ System Components



Billion Outdoor LED Drivers

IP67, 1~10V Dimmable  
LED Drivers  
with 94% High Efficiency



Billion SG7500

Intelligent Power Line  
Street Lighting Control Box



Billion SG7530

Broadband Powerline  
Smart Streetlight  
Wireless Bridge



Billion SG7610

ZigBee/BPLC Smart  
Lighting Segment  
Controller



Billion SG7600

ZigBee Smart  
Lighting Controller

## Features

- Emphasize on smart remote control, energy efficiency and auto dimming based on outdoor scenarios such as visibility condition, local sunrise/sunset schedule, pedestrian traffic that more than 80% of energy consumption can be reduced.
- Analysis report contains current, voltage, power consumption and energy saving data of streetlights.
- Detect light failure and other maintenance problems in real time that malfunctions can be fixed quickly as well as pinpoint each streetlight by using embedded map function.
- Easy installation process based on existing power line and lighting infrastructure.
- Secured and encrypted data transmission.
- Building an intelligent street light ecosystem with more energy efficiency and less carbon emission.
- Support IP camera, environmental sensors, WiFi hotspot, public signage and other Smart City applications.