

# IntelliMax<sup>®</sup>

BY MaxLite<sup>®</sup>



Intelligent Wireless  
Lighting Control  
System





## IntelliMax Intelligent Wireless Lighting Control System

IntelliMax is a turnkey solution for saving energy and meeting efficiency requirements using popular controls such as occupancy sensing, dimming and daylight harvesting. Powered by Cortet™ wireless technology, IntelliMax works seamlessly with MaxLite LED luminaires to deliver scalable energy cost savings for facilities of all sizes.



### Advanced Lighting Control

- Local and wireless
- 0-10v dimming of all load types
- Fixture and Zone control
- Hand-held light level control



### Simple Management System

- ZigBee open protocol
- App-based commissioning and control
- Over-the-Air Updates
- Operate independently, or in groups/zones



## Scalable and Long-Lasting Solution

- Open system for easy integration with ZigBee-based third-party systems and components\*
- Custom control layouts to accommodate any solution
- Over-the-Air Updates ensure compliance with energy codes and standards as they change
- Zone-level, fixture-level and sensor control

\*Testing and certification required



### Physical Security



- IntelliMax Gateway is installed in protected and private location
- Gateway access requires physical access to commissioning button on the device

### Network Security



- Secure HTTPS TLS protocols and standard WiFi Network Security
- Operates on Zigbee HA1.2-Joining is an "open join" process only during commissioning

### Device Security



- Features Zigbee AES 128-bit encryption
- Gateway is not Linux based, making unfamiliar to others

### Over the Air Security and Updates



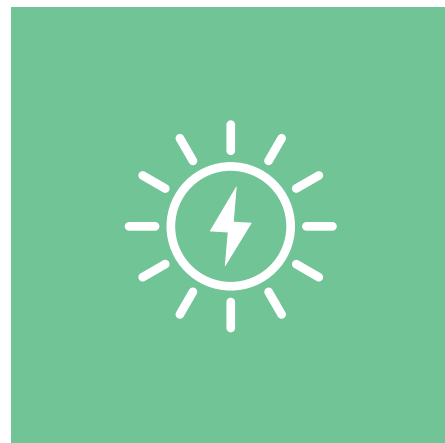
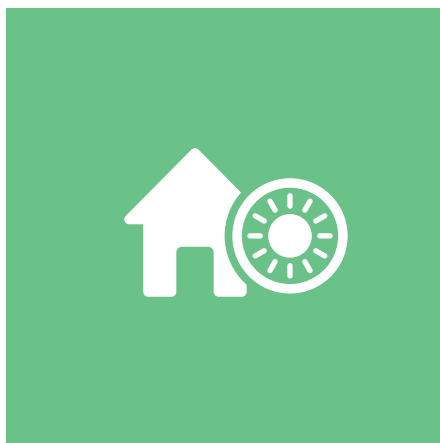
- Operates on Transport Layer Security (TLS)



## Supported by MaxLite

MaxLite works with our customers to develop the most cost-efficient strategies to meet their project goals and budget. We offer the following complimentary onsite and remote services to support your project needs:

- Lighting layouts
- Technical support
- Warranty assurance
- Commissioning
- Training



## Meet Energy Codes and Standards

With energy codes and standards being the main driver for wireless lighting controls, IntelliMax is an out-of-the-box solution to meet today's strict energy efficiency requirements, including:

- ASHRAE Energy Code 90.1
- ASHRAE Green Building Code 189.1
- IECC (International Energy Conservation Code)
- Title 24 2016 (California Energy Commission)



Ensuring You Meet Code		
Code/Standards Compliance	Occupancy/Vacancy Sensing	✓
	Multi-level Lighting Control	✓
	Daylight Harvesting	✓
	Timeclock/Scheduling	✓
	Demand Response	✓ *

\*Demand Response capability requires signal from a third-party device

Control	Strategy	Estimated Savings
Manual Dimming	Save energy and meet code with manual/personal dimming switches	10-20%
Occupancy Sensor	Manual and automatic ON/OFF capabilities	20-60%
Daylight Harvesting	Automatically adjusts light level based on ambient light in a given space	20-45%
High-End Trim	Set the maximum light level based on customer requirements in specified spaces	10-30%
Scheduling	Create pre-set schedules for changes in light levels based on time of day	10-20%



## System Components

IntelliMax brings together LED lights, sensors and switches into one intelligent software, that's easily controlled in the palm of your hand. Lighting can be controlled locally by a certified device communicating directly to the gateway via ZigBee, or by a mobile device connected to Wi-Fi sharing the same network as the installed gateway. The gateway can then enable all of these management modes simultaneously.



## IntelliMax Software

- App-based configuration and control
- Ideal for Small- or Medium-Scale Commercial Facilities
- 4 layers of Security
- 4 different daily schedules
- 2 different day groupings (i.e. Mon/Tue/Wed/Thu/Fri + Sat/Sun)
- Color tunable
- Integrate and control up to 6 mini hubs on 1 app



### IntelliMax Gateway Mini Hub

- ZigBee-based gateway
- Supports up to 120 devices
- Range up to 100 meters
- Average Latency <200ms
- Scale the IoT network up to 30 zones



### IntelliMax Node Controller

Allows wireless light level control on a zone or individual fixture basis determined by lighting control strategy. Reduces energy consumption through the use of manual control, vacancy detection, daylighting and other wireless load-shedding strategies compatible with the IntelliMax gateway.



### IntelliMax Wireless Occupancy Sensor

Ensures energy savings in both new construction and retrofit applications. Advanced functionality surpasses placement and coverage challenges of traditional sensors.



### IntelliMax Daylight Harvesting Photocell

Monitors and measures natural or electric light levels as a key component in a daylight harvesting solution. Battery-powered and equipped with a Fresnel lens to determine optimal light level.



### IntelliMax Wall Switches & Dimmers

Replaces traditional single-pole wall switches. Fits in a standard single-gang wall box; no additional wiring required. Switches and dimmers are line-powered, and compatible with 2.4 GHz ZigBee wireless components connected to the IntelliMax gateway.

## 25 YEARS OF LIGHTING EXPERTISE



MaxLite has provided certified energy-efficient lighting solutions to the commercial, industrial and residential building markets since 1993. We are a five-time recipient of the prestigious ENERGY STAR® Partner of the Year Award for our industry leadership, and continue to be at the forefront of energy efficient technologies through the innovative research and development capabilities of our teams and facilities in New Jersey, California and Indiana.

## WARRANTY ASSURANCE



MaxLite offers warranty assurance on all IntelliMax system components: nodes (5 years) sensors/dimmers/switches (2 years) and gateways (1 year).

Products must be registered within 90 days of purchase or 30 days of installation (whichever comes first). Exclusions and limitations apply. Complete terms and conditions are available at [MaxLite.com/warranties](http://MaxLite.com/warranties).

## FAST DELIVERY



MaxLite keeps its products in stock and available for immediate purchase and delivery on standard orders.

## PERSONALIZED SERVICE



We work with our customers to ensure our products meet their installation goals, and remain by their sides long after. MaxLite provides a full range of complimentary services, including:

- Facility audits
- Lighting layouts
- ROI calculations
- Technical support
- Utility rebate assistance
- Lifetime product support

# LIGHTING AUTOMATION

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