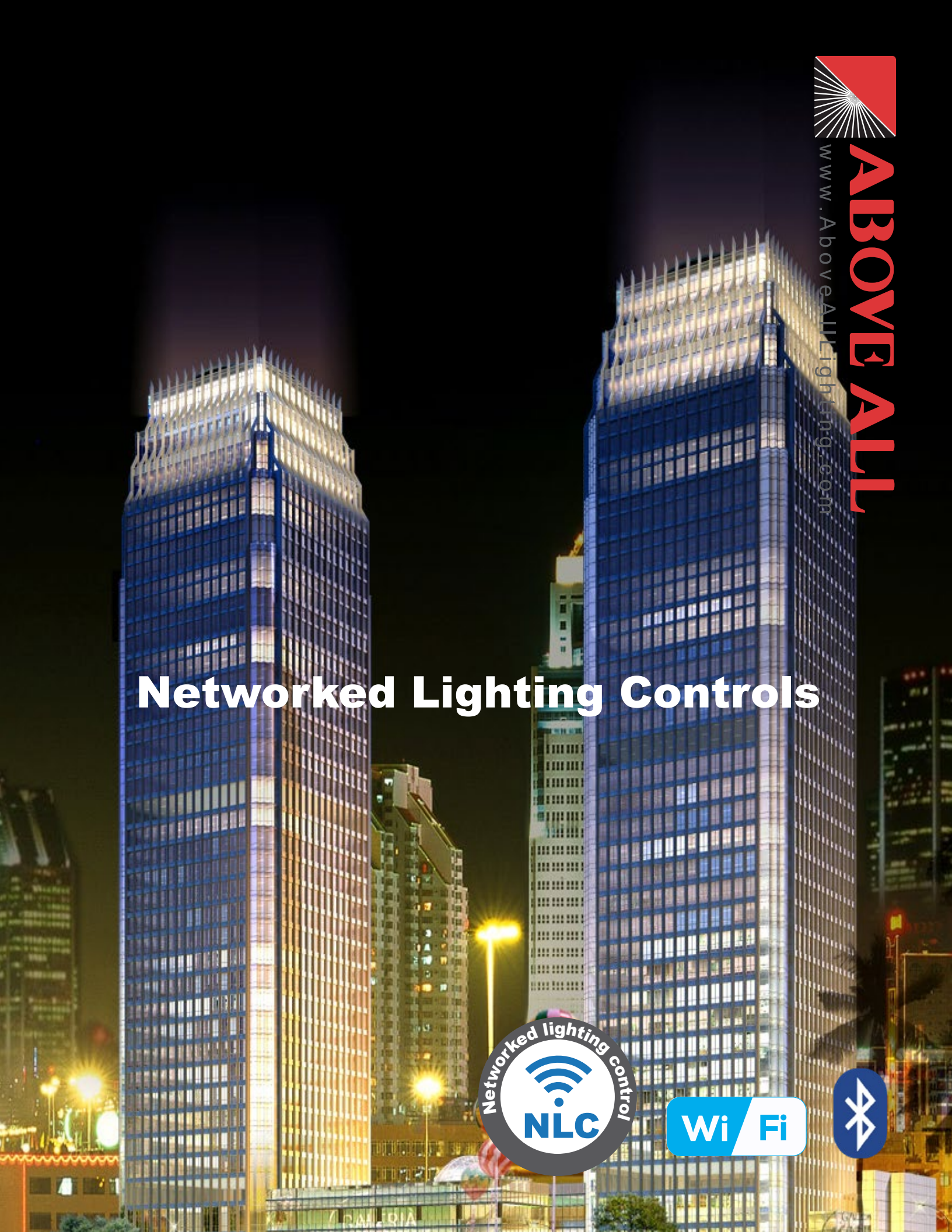
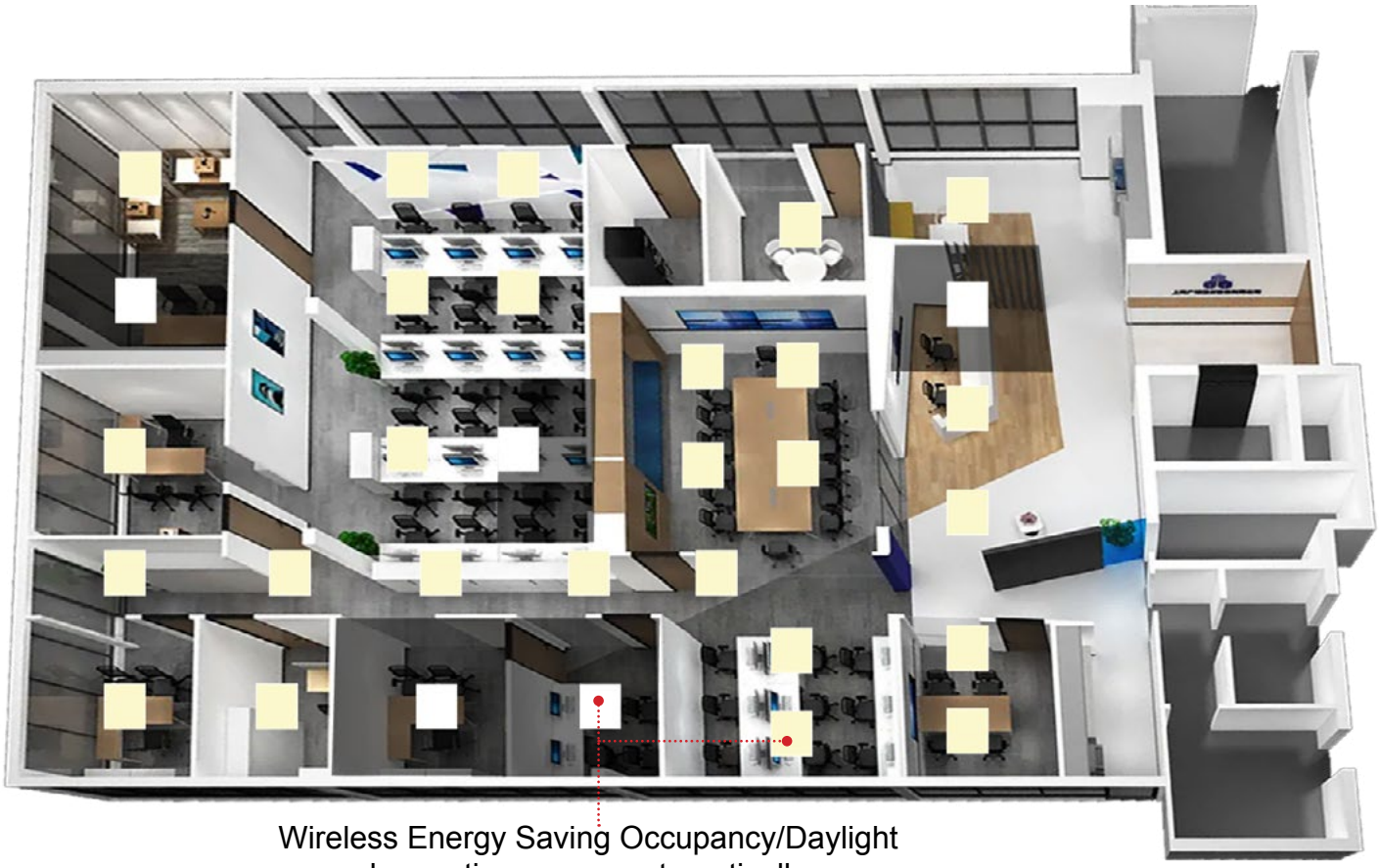

ABOVE ALL
www.AboveAllLighting.com
Networked Lighting Controls
Networked lighting control
NLC
Wi Fi

Networked Lighting Controls in Building



Wireless Energy Saving Occupancy/Daylight harvesting occurs automatically

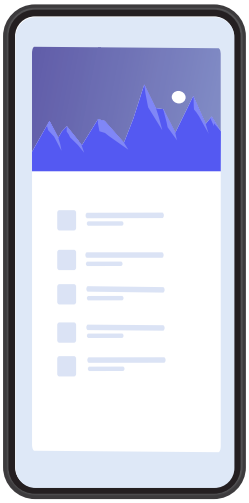
Networked Lighting Control

Networked Lighting Control is a wireless lighting management system utilizing Bluetooth SIG Mesh protocol, which is ideal for IoT use- especially lighting with advantages of low-cost, low-power, high security and long communication distance.

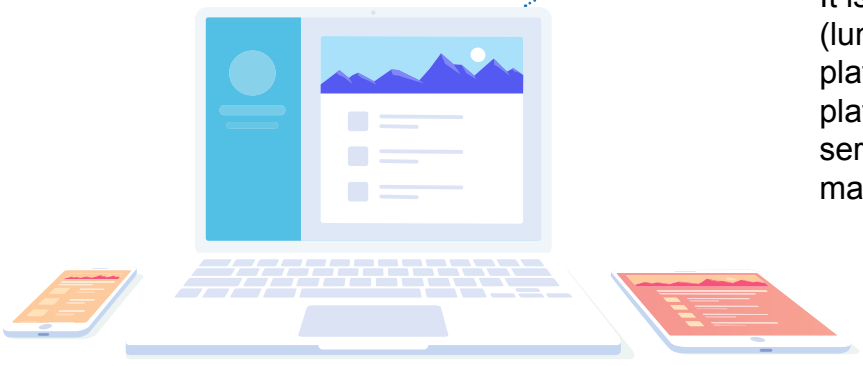
Bluetooth Mesh Control + WIFI

Fixtures

Sync Data to the Cloud

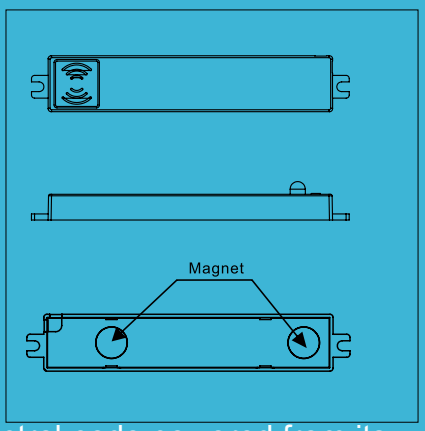


Lighting Control System



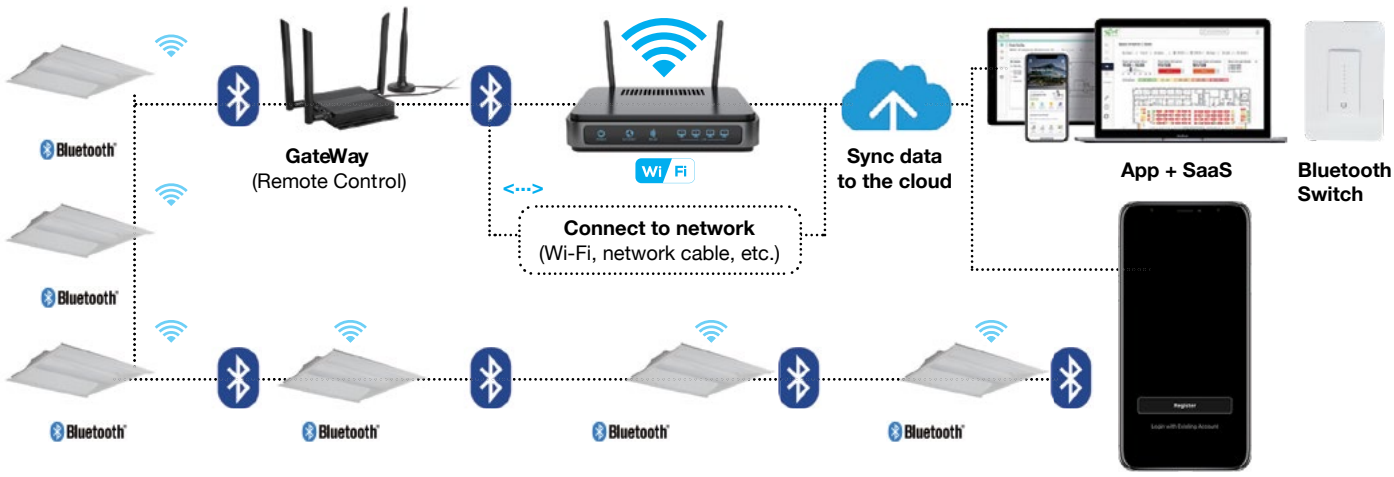
APP+SaaS

It is a combination of smart devices (luminaires and accessories), cloud and platform (mobile App+web-based software platform) to provide a comprehensive service for clients in need of a lighting management system.



Bluetooth Mesh Control

The Bluetooth Fixture Sensor is a complete sensing and lighting control node powered from its attached light fixture. Sensor information combined with a configurable behavior profile makes the fixture Sensor an integral component of an intelligent lighting control and sensing solution. With integrated wireless communications for data transmission and remote configuration as well as autonomous fixture-level control, this sensor brings advanced lighting automation to a whole new level.



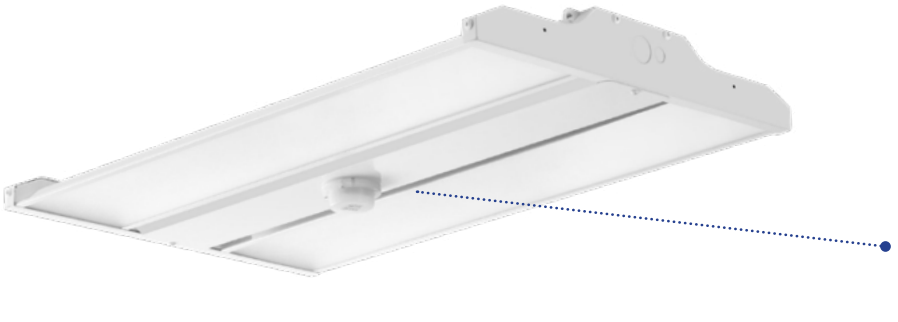
Fixture Sensor DLC: Meet DLC 5.1 Networked Lighting Control System.

Localized Lighting Control: Light-level schedules, preferences, and profiles for each fixture are wirelessly communicated at system setup and stored for continuous operation.

Bluetooth Low Energy: An embedded BLE radio allows the sensor to receive and transmit beacons as well as support communication with lighting control devices and other sensors.

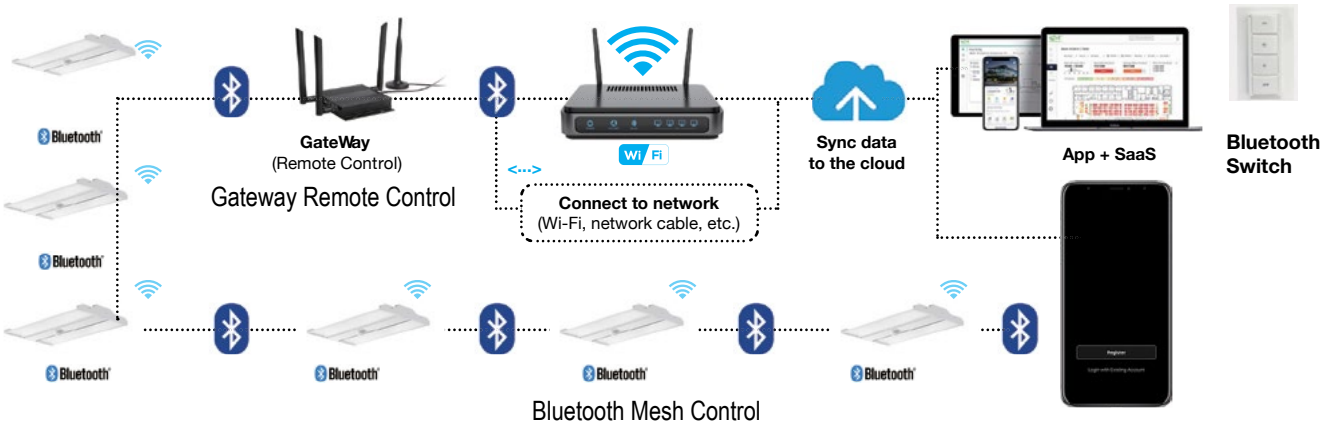
Daylight Harvesting: Captured ambient light information is locally processed to raise and lower light levels based on available daylight. Room and Zone Control: Pairs with room switches for code-compliant manual-on or a Sensors can be grouped into zones that share occupancy sensing data and coordinate on detected motion.

Schnapps
Brandy



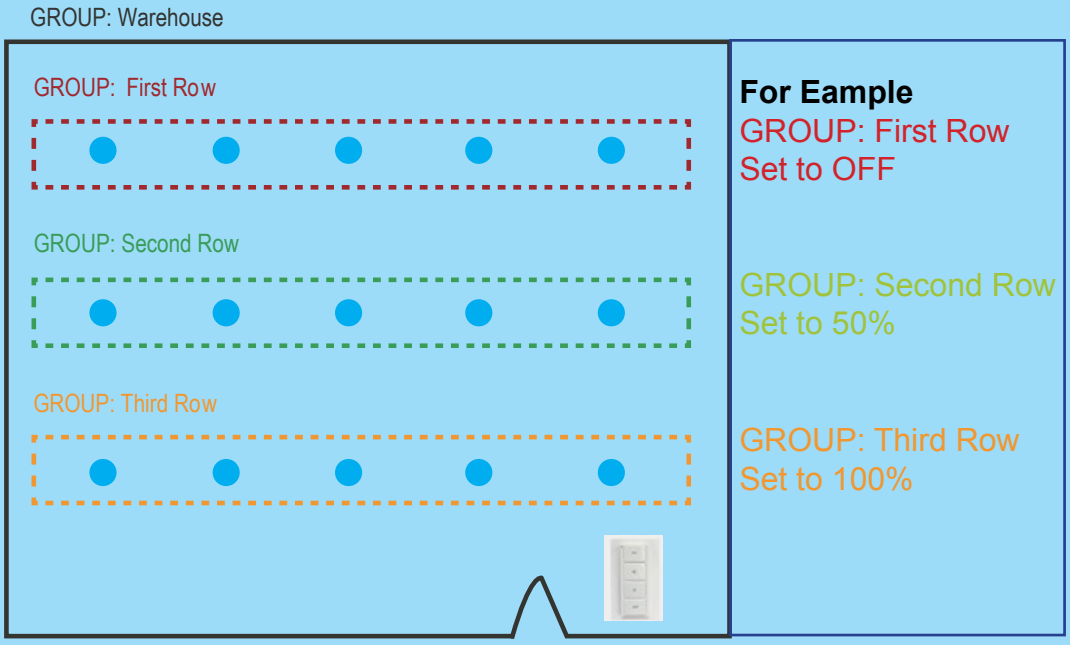
Bluetooth Microwave
Motion Sensor

BLUETOOTH MICROWAVE MOTION SENSOR



GROUP CONTROL

Contains all fixtures in the warehouse with a switch. All of the fixtures have ANT-5-4T sensor installed for networking capabilities.



For Eample
GROUP: First Row
Set to OFF

GROUP: Second Row
Set to 50%

GROUP: Third Row
Set to 100%

- When they are all placed in a group with a switch, the entire space can be operated with a single click.
- Additional groups can be created within the main group for more precise control. Each of the groups can be controlled individually from the Network Lighting App.

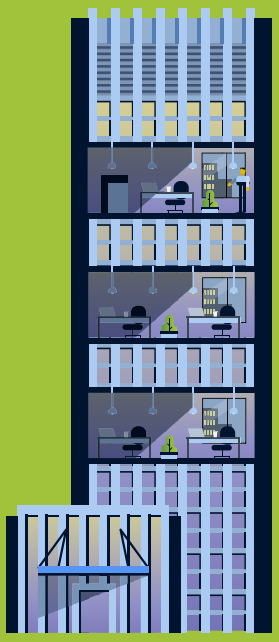
NISSAN

Energy Monitor and Saving

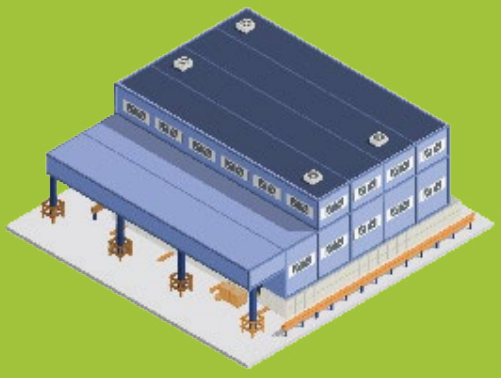
APP+SaaS

Fixtures

Room



Floor



Building

- ★ Energy monitoring cost daily, weekly, monthly, yearly.
- ★ Saving lighting energy usage.
- ★ Energy consumption of building, floor, single room, or even a luminaire can be monitored and reported.

Traditional Lighting Controls *VS*. Networked Lighting Controls

Traditional Lighting Controls ***VS.*** Networked Lighting Controls	Traditional Lighting Controls	Networked Lighting Controls
Complexity		
Functionality	• LED Lighting • Sensors/Controls • Limited Connectivity	• LED Lighting • Mobile app controls+SAAS • Advanced Controls/Sensors • Wired and Wireless Connectivity • Ubiquitous sensing with feedback and control • Tunable White Lighting
Benefits	• Increased Energy Savings • Limited Personal Control Settings • Improved Preventative • Maintenance Capabilities	• Maximum Energy Savings • Eligible for Energy Rebates • Real Time Preventative Schedules Advanced Features • Daylight Harvesting • Variable Load Shedding • Time Scheduling • Occupancy Sensing • Task Tuning Personal Controls • Wall Switch
Saving	**$$$**	**$$$$$$**

Traditional Lighting Controls
Wiring connections

On Off

Networked Lighting Controls
Wireless connections

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