



OVERVIEW

Upgrading parking garages to LED smart technology offers a compelling return-on-investment for property owners. While wireless lighting controls bring additional savings, there can be challenges implementing larger lighting systems within concrete and steel structures.

Synapse empowers property owners and facility managers to take control of their complete LED lighting system through its intelligent, wireless lighting controls solution. Businesses that deploy intelligent lighting controls are better equipped to adhere to energy regulations and qualify for supplemental rebates, not to mention create a safer environment for employees and patrons.

SOLUTION HIGHLIGHTS

Synapse wireless mesh technology is field proven to overcome challenging RF conditions that exist in concrete laden parking garages. Our intelligent lighting control solution features:

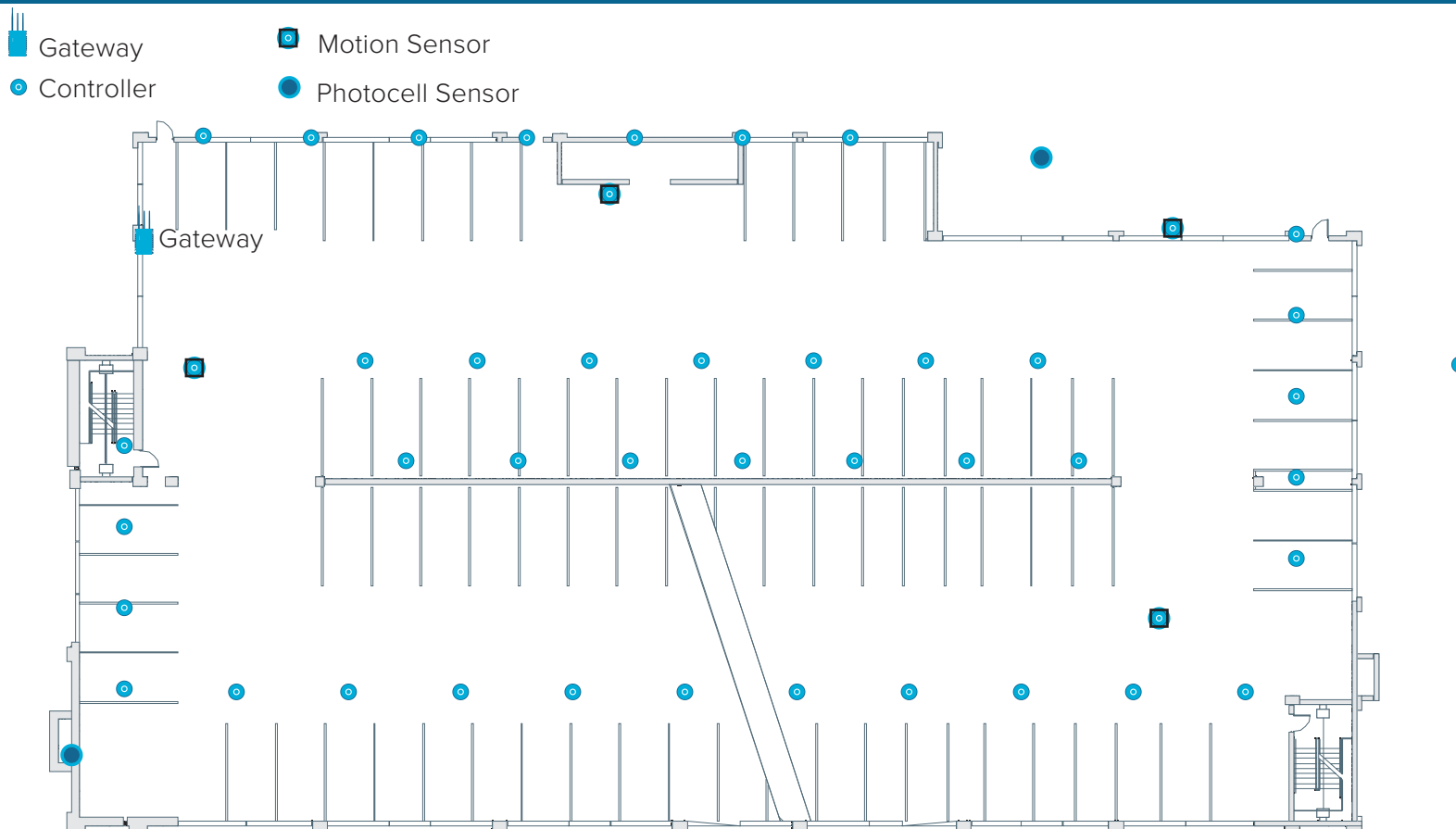
- Auto-forming and self-healing mesh network
- Enabling lights to be grouped by floor or area to intelligently control dimming levels when a vehicle or pedestrian enters the space
- Maintaining safe light levels with Advanced Daylight Harvesting features
- Boosting safety and security with real-time email alerts about system status
- Using time-of-day schedules to adjust light levels to meet the specific needs of the space
- Generating energy reports to help understand cost across different areas and groups of lights

SYSTEM FEATURES

- Intuitive user interface that is easier to learn and use. No special training required.
- Integration options with existing building automation system (BAS) through BACNET or MODBUS.
- Gateway doesn't require internet access, and allows for system setup and configuration through a mobile-friendly Wi-Fi, LAN or Cellular interface.
- Title 24 compliant advanced daylight harvesting features maintain safe light levels as the amount of natural light changes each day throughout the year.
- The optional SimplySnap cloud applications enable centralized lighting control and energy reporting for large single sites or systems with multiple locations.



EXAMPLE SYSTEM



REQUIRED COMPONENTS

Product Number	Description
Each Fixture will need one of the following options:	
TLx Series Controller	Synapse Twist-lock (TL) Series Lighting Control with Built in Photocell
DIM10-Series Controller	Synapse External Smart Lighting Controller
Synapse enabled Fixture*	Lighting Fixture that includes an embedded Synapse controller
For Each Site	
Site Controller/Gateway	SimplySnap SS450 or Central Base Station
Commissioning Service	On-site or remote commissioning services performed by Synapse Certified Commissioning Agent
Hardware and Software Options	
Hardware Accessories	Synapse Wall switches and Supported Photocell and Motion sensors
Cloud Software Applications	SimplySnap cloud application provides a single user interface across multiple gateways and detailed energy monitoring and reporting

* For a list of Synapse enabled Fixtures please contact your local sales representative. If you don't choose a Synapse enabled fixture, then a DIM10-series or TLx Series controller is required.