ŝynapse®

OVERVIEW

Businesses want to provide customers and visitors a safe environment during business hours. Adequate lighting accomplishes this goal, but having the ability to conserve energy during non-operational hours is important, too.

SimplySNAP helps property owners and facility managers take control of their parking lot lighting through intelligent wireless controls. Municipalities and owners of large parking lots stand to gain the most with controls given the high energy costs associated with parking lot fixtures. Adding intelligent wireless controls helps maintain consistent light levels for safety and comfort as well as helping to meet regulations and satisfy many rebate requirements.
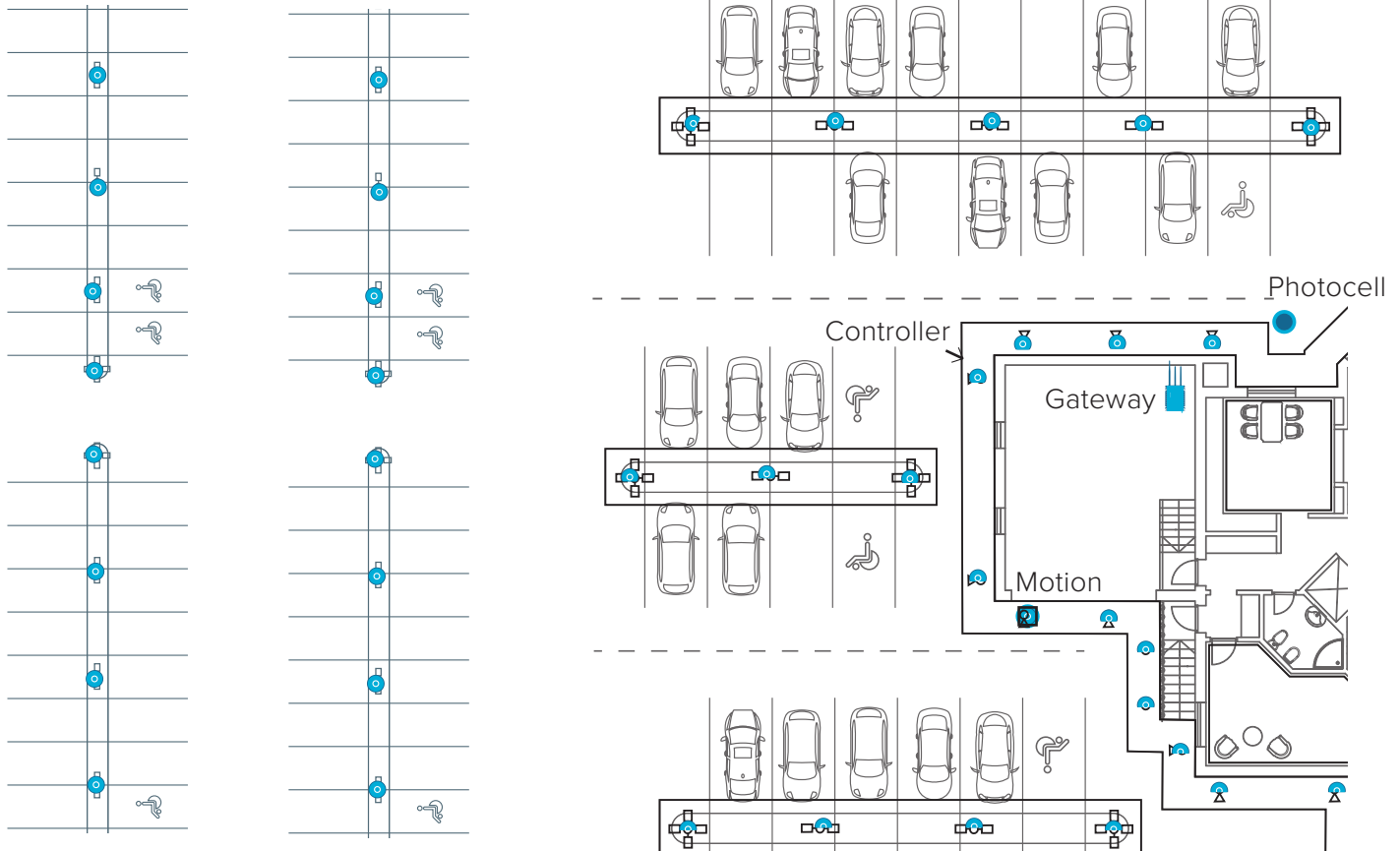
SOLUTION HIGHLIGHTS

Synapse wireless mesh technology is field proven to overcome the long distances required across large parking lots. Our intelligent lighitng control solution features:

- Auto-forming and self-healing mesh network
- Long range wireless trans./recv. capabilities
- Leverage schedules to automate operations to specific fixtures or areas
- Grouping lights by area to intelligently control dimming levels based on a single photocell or occupancy sensors
- Sending email alerts when lights are out—boosting safety and security
- Understanding energy usage and the impact of making controller or behavior changes

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.
- Built in Astronomical clock automatically adjust scheduled events at sunrise and sunset based on location.
- SimplySNAP Remote Access (SSRA) option allows remote management through a single portal.
- The optional SimplySNAP Illuminate and Power cloud application enable centralized lighting control and energy reporting for large single sites or systems with multiple locations.

Controller

Photocell

Gateway

Motion

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
Remote Site Access	SimplySNAP Remote Access (SSRA) administrative access to a site controller
Cloud Software Applications	SimplySNAP Illuminate for a single user interface across multiple gateways SimplySNAP Power for 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 TL Series controller is required.