



# SmartSite

Control. Monitor. Maintain.

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CONNECTED  
LUMINAIRES

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amerlux  
A Delta Group Company



SmartSite offers new possibilities for connecting your community.

# Control. Monitor. Maintain.

## Create a Digital Infrastructure with your Outdoor Lighting.

Introducing a more intelligent way to light up your community: SmartSite®.

More than just incredibly efficient street lighting, the SmartSite family of luminaires combines striking post top designs with a robust, bidirectional, area-wide, wireless control system.

Highly secure, reliable, and flexible, SmartSite utilizes a wireless mesh network to connect the system's microprocessors with a Cloud-based or on-site network.

There, everything—your city's look and feel, lighting, audio, security, video, advertising, entertainment, energy usage—is in your control, remotely, in real-time, 24/7.

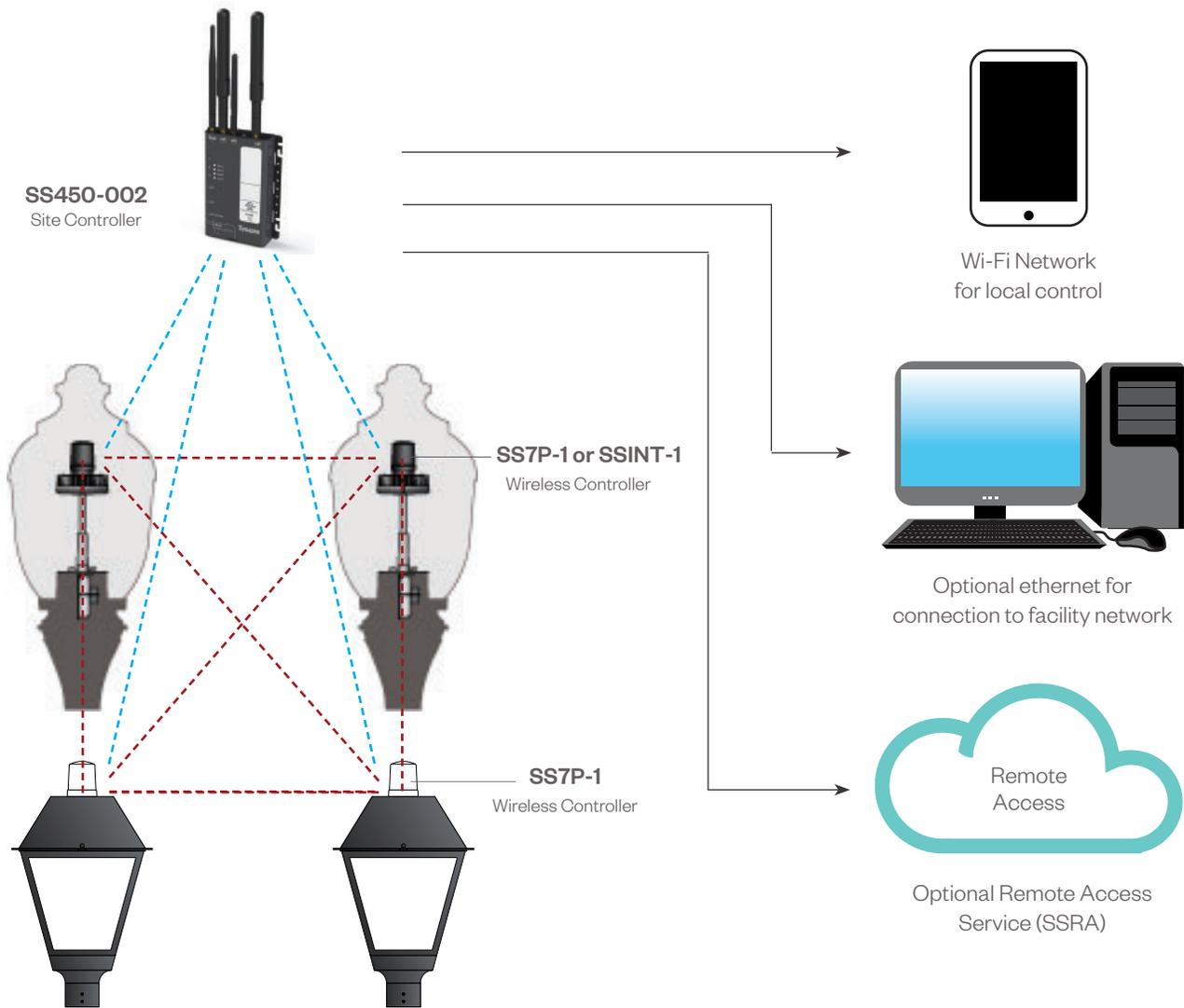
No cable installation, underground trenching or wire maintenance needed.

Revolutionize how you illuminate and interact with your community. Turn heads with architectural luminaire style. Rejuvenate your city's historic infrastructure lifeline. Reduce costs. Increase safety.

Breathe life back into your downtown, main street, village or campus with a new, stimulating, energetic streetscape experience.

# System Architecture

The Smartsite connected lighting system utilizes software and hardware components (powered by Synapse) that are adaptable to multiple applications, providing reliable connectivity and control of the site lighting. The lighting controllers use the reliable, secure, and robust Synapse SNAP® (Synapse Network and Application Platform) mesh network, providing a dependable solution that just works. The intuitive control and interface allow for the creation of custom settings and schedules, which maximizes your savings while giving you complete control of each light, bank, or zone.



## Smart Lighting Solution based on SNAP:

- All system components are future proof
- All control is maintained locally
- Internet access is NOT required (but optional)
- Remote access via ETH or Cellular
- Simple graphical user interface control
- Easy to use, set-up, and commission
- Operates wirelessly across our robust 2.4 GHz SNAP mesh network

# SimplySNAP Lighting

SimplySNAP Lighting provides single-site area lighting control where internet may not be available or not preferred for security reasons. SimplySNAP makes it easy to support both new construction and retrofit installations. It is the ideal lighting solution for a variety of applications that include parking lots, sporting arenas, warehouses, college campuses, and more.

Our lighting solution is comprised of software and hardware components that are adaptable to multiple applications, providing reliable connectivity and control, that is simple to install, maintain, and use. Our lighting controllers use the reliable, secure, and robust Synapse SNAP® mesh network, providing a dependable solution that just works. The intuitive control and interface allow for the creation of custom settings and schedules, which maximizes your savings while giving you complete control of each light, bank, or zone.

## **Features:**

- Lighting control without an internet connection
- Luminaire-level control
- AES encryption
- Use Scenes, Zones, Schedules and other features system-wide

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# SimplySNAP Illuminate

## **Centralized Lighting Control System**

SimplySNAP Illuminate is a scalable lighting control system designed for customers with multiple sites or larger single sites with thousands of lights and controllers. The cloud-based application leverages the proven SimplySNAP platform to bring performance and scale to customers of all sizes. Facility and Operations Managers can easily change configuration settings, create new schedules, adjust sensor behaviors, and control all their lights from a single management portal.

## **Applications**

Large Commercial or Industrial facilities with multiple gateways and 1000s of lights

- Large manufacturing plants
- Regional distribution centers

Synapse Lighting customers that want to combine multiple systems, add remote access, or expand their capabilities with other SimplySNAP cloud applications like SimplySNAP Power.

- Smaller facility that have multiple gateways that they want consolidate in to a single lighting system.  
(Factory, parking lot/garage, warehouse, etc.)
- Campus environment with multiple lighting systems and gateways that they want “connected” together  
(Indoor and outdoor sports fields, parking lots/garages, large common areas)
- Multiple sites with separate lighting systems in a region that they want “connected” together  
(Distribution centers, parking lots/garages, and multiple manufacturing sites)

## **Features:**

- Centralized management
- AES encryption
- Cloud/Hosted environment
- System-wide settings
- Responsive Design

## **Benefits:**

- Easily scalable up to 10,000 lights
- Powerful and secure connection
- No on-site server installation, configuration, or maintenance
- Multiple lighting control systems in one user interface
- Leverage all features across the entire managed system
- Fast control and navigation in large systems and locations

# SmartSite Connected Lighting System

powered by Synapse

Utilizing a **NEMA 7-Pin** receptacle or an internal controller, the wireless node in the luminaire connects it to a sophisticated control system, that allows full management of the site lighting. The SimplySNAP interface powered by Synapse is a lighting control system that not only provides the basic functions such as ON, OFF and Dimming but also provides advanced control and scheduling functionality and can serve as the foundation of emerging IoT applications. The SimplySNAP control system bundles these capabilities in a reliable, simple-to-use interface that enhances energy efficiency, optimizes ROI, and complies with industry regulatory trends. Combining the efficient Amerlux Avista LED light engine with this powerful management resource, end users at all levels now have the ability to connect with, control and monitor their exterior lighting system with ease.

## Wireless Controllers



**SS7P-1**

7-Pin Wireless Controller



**SSINT-1**

Integral Wireless Controller

### Key Features:

- Integrated Photocell
- ANSI C136.41 7-pin Dimming Receptacle Support
- Utility grade power monitoring
- Remote control and scheduling
- Flexible Dimming Controls
- Secure, over-the-air upgrades to support future enhancements
- Seamless integration into the SimplySNAP lighting control system

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## Site Controller (for installation only in weather protected areas).



**SS450-002**

Site Controller

### Key Features:

- No Internet Required
- Multiple Zones, Behaviors, Events, and Schedules
- SimplySNAP creates a Wi-Fi connection to smart phone, tablet, or PC
- Optional SimplySNAP Remote Access (SSRA) service available
- Sunrise and Sunset Schedules driven by latitude and longitude
- REST API available for custom integration/management with 3rd party software
- Cellular connection ready



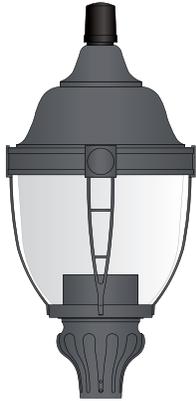
**CBSSW-450-002**

Site Controller in Weatherproof Enclosure

# Connected Luminaires

Amerlux offers a variety of decorative post top luminaires powered by Synapse as the building block of the SmartSite system. Below are some luminaire examples.

## 7-Pin Examples (see additional fixture option at [www.amerlux.com/exterior](http://www.amerlux.com/exterior))



D720 Series



D623

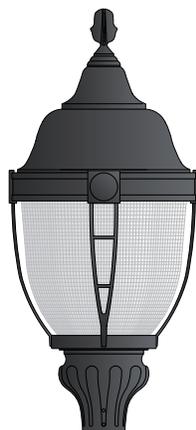


D241

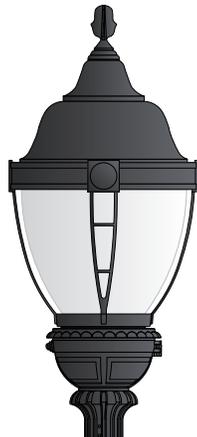


D323

## Integrated Examples (see additional fixture option at [www.amerlux.com/exterior](http://www.amerlux.com/exterior))



D730 Series



D770 Series



ASR26 Series



D480 Series

## SmartSite Base Examples (see additional fixture option at [www.amerlux.com/exterior](http://www.amerlux.com/exterior))

**The SmartSite Base (SSB)** is a multifunction luminaire base that allows for mounting of downward facing camera, 7-pin receptacle or a motion sensor to allow for additional control of the system. Consult factory for details.



AO28-SSB Series



730AO-SSB Series



ARP23-SSB Series