

**1**  
**MANAGEMENT OPTIONS**  
Ways to access and manage SimplySnap

**Local Access (OnPrem UI)**

Manage the site controller locally with built-in web interface on any browser enabled device.

WiFi Ethernet  
HTTPS over Local Network

**Remote Access (SimplySnap Cloud)**

Remotely manage and monitor wireless lighting control systems across one or multiple sites.

WiFi Ethernet Cellular  
HTTPS or Web App Over Internet Connection

**2**  
**SITE CONTROLLER / GATEWAY**  
Manages the site and provides connectivity for the mesh

**Site Controller**

**Outdoor: CBSW-450-002**  
110-277V, Outdoor IP 65 rated, WiFi, Ethernet and Cellular, 6kV surge protector, built-in 5-button switch

Site Controller capacity: up to 1,000 Controllers or 100 zones of motion.

**Indoor: SS450-002**  
12-24VDC or 100-240VAC, Indoor use only, WiFi, Ethernet and Cellular.

**INTEGRATIONS**  
Connects to the site controller

- API**  
Integrate with higher level management systems (e.g. Lutron Athena) through an open API for unified lighting and facility control.
- Building Management BMS-GW**  
Manage SimplySnap from a building management system over BACnet or Modbus.

**SNAP 2.4 GHz 802.15.4 Wireless Mesh**

**3**  
**LIGHT CONTROLLERS**  
Control and monitor individual luminaires or zones

**A. EXTERNAL CONTROLLERS (Mounted Outside Luminaire)**

<p><b>DIM10-220 (-F)</b></p> <p>Motion Sensor: External Sensor Input</p> <p>Daylight Sensor: No built-in Photocell</p> <p>Fixture Type: 0-10V / 5A Relay</p> <p>1/2" knockout</p> <p>Range: 1,000 ft (-F) Up to 3,000 w/ Antenna</p>	<p><b>TL7-HV(G)</b></p> <p>Motion Sensor: External Sensor Input</p> <p>Daylight Sensor: Built-in Photocell</p> <p>Fixture Control: 0-10V / 5A Relay</p> <p>NEMA 7-pin</p> <p>Range: 1,000 ft</p>	<p><b>TL7-DALI-DC (NG)</b></p> <p>Motion Sensor: External Sensor Input</p> <p>Daylight Sensor: Built-in Photocell</p> <p>Fixture Control: D4i</p> <p>NEMA 7-pin</p> <p>Range: 1,000 ft</p>	<p><b>SNV-CS-10</b></p> <p>Motion Sensor: Built-in PIR</p> <p>Daylight Sensor: Built-in Photocell</p> <p>Fixture Control: 0-10V DIM-to-Off</p> <p>3-pin, 3.5mm, Z-10, 3-wire</p> <p>Range: 1,000 ft</p>	<p><b>ZHA-S1</b></p> <p>Motion Sensor: External Sensor Input</p> <p>Daylight Sensor: No built-in Photocell</p> <p>Fixture Control: D4i</p> <p>Zhaga Book-18</p> <p>Range: 1,000 ft</p>	<p><b>CSEN1-H-W/G</b></p> <p>Motion Sensor: Built-in PIR (dual)</p> <p>Daylight Sensor: Built-in Photocell</p> <p>Fixture Control: 0-10V DIM-to-off / D4i</p> <p>Zhaga Book-18</p> <p>Range: 1,000 ft</p>	<p><b>DIM10-087-06-IP</b></p> <p>Motion Sensor: External Sensor Input</p> <p>Daylight Sensor: No built-in Photocell</p> <p>Fixture Control: 0-10V DIM-to-off / D4i</p> <p>Zhaga Book-18</p> <p>Range: 1,000 ft</p>
--	--	--	---	--	---	--

**B. IN-FITTURE CONTROLLERS (Factory-Installed Inside Luminaire)**

DIM10-087-06-A, DIM10-087-06-FW, DIM10-087-06-F3W, EMB-S2-A

- Typical: 1 fixture per controller
- Controls: 0-10V dimming & D4i (F3W is 0-10V dimming only)
- Up to 4 D4i LED drivers per controller
- Antenna required for -A controllers
- Inside-fixture use only; not for fixture-to-fixture design

**4**  
**ACCESSORIES**  
Enhance functionality and expand system capabilities

<p><b>WSN-DPM</b></p> <p>Wireless occupancy / daylight sensor. Controls groups of fixtures wirelessly. Supports open-loop daylight harvesting.</p> <p>For Daylight Harvesting &amp; Remote Occupancy Sensing</p>	<p><b>WSW-02-IP</b></p> <p>Outdoor wireless switch. Up to 5 scenes per button.</p> <p>Apply Scenes or Timer with Blink Warning</p>	<p><b>WSW-02/08</b></p> <p>Indoor wireless switch. 2, 4 or 8 buttons. Up to 5 scenes per button. SNV-SW supports press-and-hold to dim.</p> <p>Apply Scenes</p>	<p><b>WSW-EMG-OSB</b></p> <p>Emergency override switch. Forces emergency lights full ON. Must be within 300 ft. of mesh.</p> <p>Emergency Override Button and Interface with EM System</p>	<p><b>KIT-ANT-18-01 / 02</b></p> <p>Fixture antenna kits. Use to improve antenna mounting / signal path. No fixture control.</p> <p>Antenna extension kit for Site Controller</p>
--	--	---	--	---

**5**  
**LIGHTING FIXTURES**  
Supports a wide range of fixture types and form factors



**HOW THE SYSTEM WORKS**



A Site Controller (SS450 or CBS) manages the wireless mesh network



Controllers are installed on or inside each luminaire; most control 1 fixture each



Sensors and switches join the same mesh to trigger zones, scenes, and emergency behavior



BMS, Cloud or API options for integrating with other systems