

# LED Panels: BackLit Line

## 5-CCT & 3-Power Selectable

Project: \_\_\_\_\_ Part #: \_\_\_\_\_  
Type: \_\_\_\_\_

LED Panels



### Detail Specifications:

- Finish: White, Custom finishes available
- IP Rating: Damp Location (IP44)
- 5CCT: 30/35/40/50/65K
- Beam Angle: 110°
- Chip: SMD 2835, R9 >50, CRI >80
- Operating Temperature: -40° - 114° F
- Lens: PS (polystyrene) frosted, non-yellowing, & shatter resistant
- Average life (L70) of 50,000 hours

### Applications:

- General Indoor Lighting
- Utility & Storage
- Garage Structures
- Office and Meeting Rooms
- Education, Healthcare, Retail, Hospitality
- Commercial and Industrial

### Product Information:

- Metal housing finished with corrosion free power coat
- Even light distribution
- Lightweight for easier installation
- Select-n-Switch Technology: 5-CCT + 3-Power Selectable
- Control Options:
  - Standard Sensors
  - SILVAIR Bluetooth Mesh
  - ENVISIONLS Bluetooth
  - [Click Here](#) for More Information

### Driver Options:

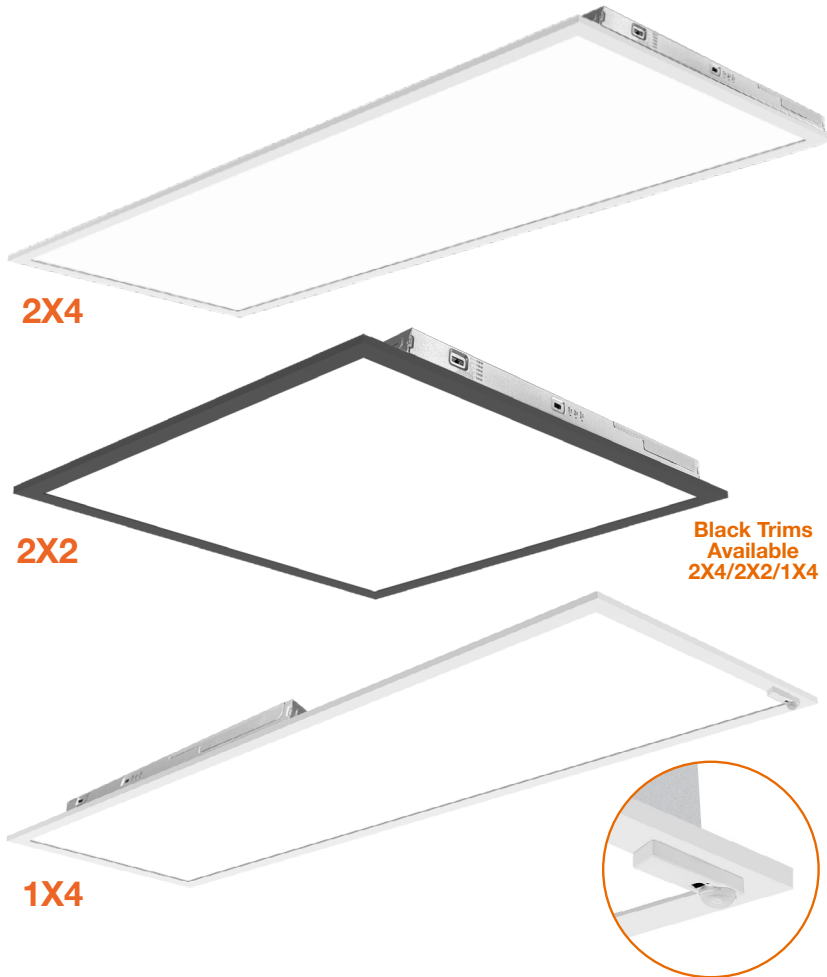
- UNV: 120-277V 0-10V Dimmable (Dim to Off)
- Optional 347-480V step down transformer available
- Standard EMB used:
  - 40W: 8W EMB ([LED-EMB-8W-HV-0-10V-2P](#))
  - 50W: 15W EMB ([LED-EMB-15W-HV-0-10V-2P](#))
- Higher wattage emb (up to 25W) available by request. Pricing will vary.
- THD: <15% (+/-5% tolerance), PF >0.9, 50/60Hz
- Isolated Driver
- Flicker Free

### Mounting & Installations:

- Lay-in ceilings for 5/8" and 3/8" ceiling widths
- Built-in earthquake clips
- Optional 9' suspension kit available
- Optional surface mount, drywall kit available
- Use surface mount and suspension kit for an aesthetically pleasing design

### Certifications:

- ETL Listed for USA and CA
- DLC Listed/ DLC Premium Listed (HL Versions)
  - View DLC ID Chart below
- NSF Rated
- Approved for CA T24
- 5 Year Limited Warranty
- FCC CFR 47, GCC Part 15, Subpart B:2017



Black Trims Available  
2X4/2X2/1X4

Shown with  
Sensor Option

#### Regular Versions

| WATT | LUMENS |
|------|--------|
| 20   | 2,200  |
| 30   | 3,300  |
| 40   | 4,400  |
| 50   | 5,500  |

#### HL Versions

| WATT | LUMENS |
|------|--------|
| 30   | 3,750  |
| 40   | 5,000  |
| 45   | 5,625  |
| 50   | 6,250  |
| 55   | 6,875  |
| 65   | 8,125  |

| Series                   | Sensor               | Emergency Driver <sup>1</sup> | Whip    |
|--------------------------|----------------------|-------------------------------|---------|
| LED-BPL-2X2-3M40-5CCT    | (blank)              | (blank)                       | (blank) |
| 20/30/40W                | No Sensor            | No                            | No Whip |
| LED-BPL-2X2-3M50-5CCT-HL | SR                   | Emergency                     | -6FLX   |
| 30/40/50W                | Sensor Ready         | EMB                           | 6' Flex |
| LED-BPL-2X4-3M50-5CCT    | (See sensor options) | Emergency Backup              |         |
| 30/40/50W                |                      |                               |         |
| LED-BPL-2X4-3M65-5CCT-HL |                      |                               |         |
| 45/55/65W                |                      |                               |         |
| LED-BPL-1X4-3M40-5CCT    |                      |                               |         |
| 20/30/40W                |                      |                               |         |

1. HV: High voltage is made to order.

### Optional Accessories (Order Separately)

| Sensors           | Suspension Kits      | Surface <sup>1</sup> Mount Kits | Drywall Kits     | Color Trims     |
|-------------------|----------------------|---------------------------------|------------------|-----------------|
| S-AUD-PIR-1       | SK-10FT-Y-LC-CB      | 2X2-SM-3"                       | LED-PNL-2X2-FLNG | BPL-2X2-TRIM-BL |
| PIR Bi-Level      | 10' Suspension Kit   | 3" Height                       | LED-PNL-2X4-FLNG | 2x2 Black Trim  |
| Motion + Daylight | SK-20FT-Y-LC-CB      | 2X4-SM-3"                       | LED-PNL-1X4-FLNG | BPL-2X4-TRIM-BL |
| Sensor Remote     | 20' Suspension Kit   | 3" Height                       |                  | 2x4 Black Trim  |
| Required:         | CK-6FT-V             | 1X4-SM-3"                       |                  | BPL-1X4-TRIM-BL |
| (S-LINE-R)        | 6' Chain Hanging Kit | 3" Height                       |                  | 1x4 Black Trim  |
| S-AUD-PIR-BT      |                      |                                 |                  |                 |
| PIR ENVISIONLS    |                      |                                 |                  |                 |
| Bluetooth Control |                      |                                 |                  |                 |
| S-AUD-PIR-SL      |                      |                                 |                  |                 |
| PIR SILVAIR       |                      |                                 |                  |                 |
| Bluetooth Mesh    |                      |                                 |                  |                 |

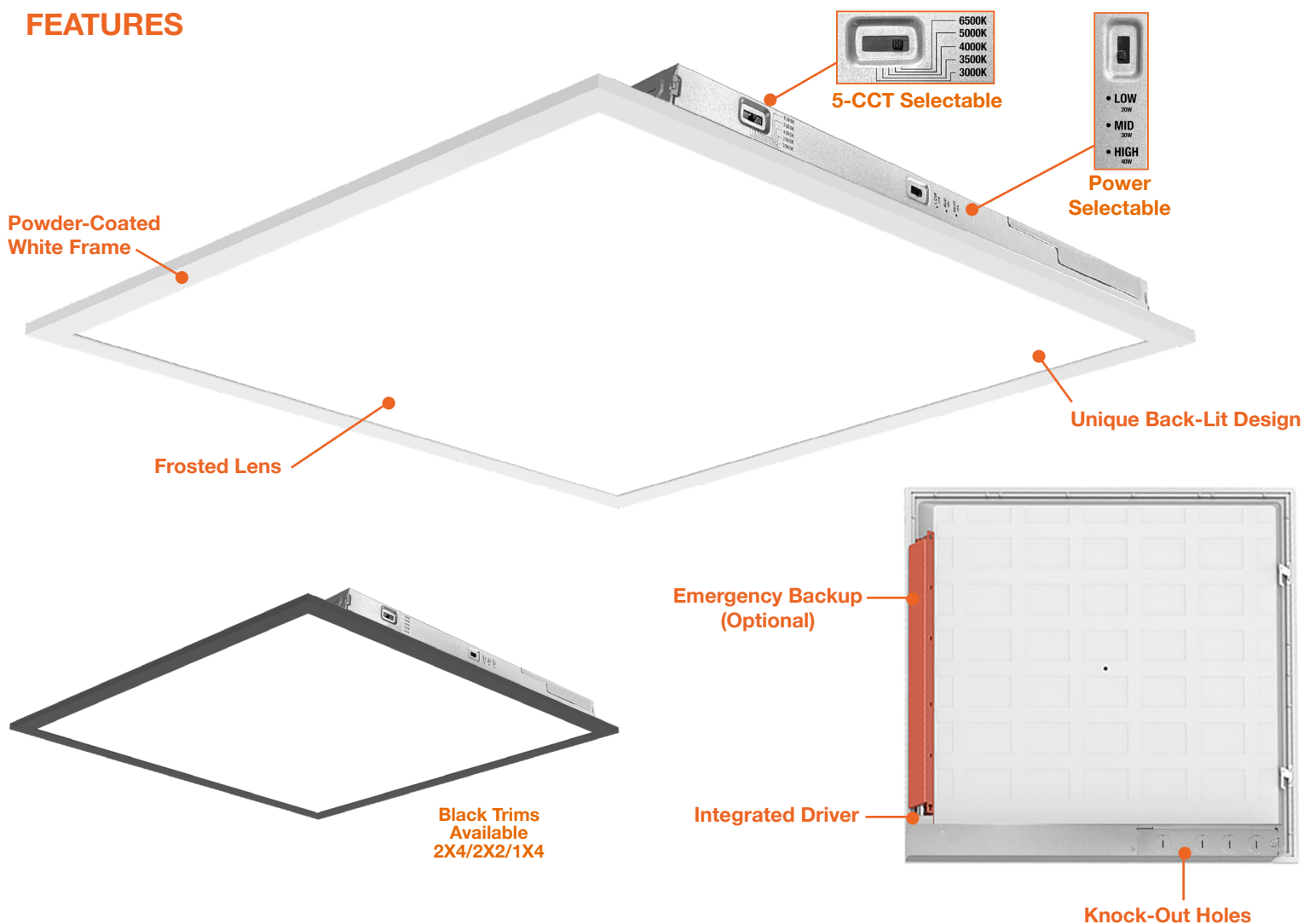
1. Custom height options available. Contact us.

Specs and model numbers are subject to change with or without notice. Customization of product is available.

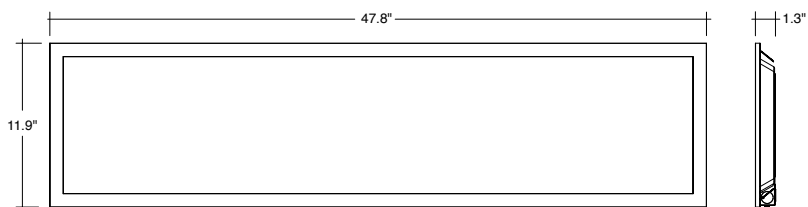
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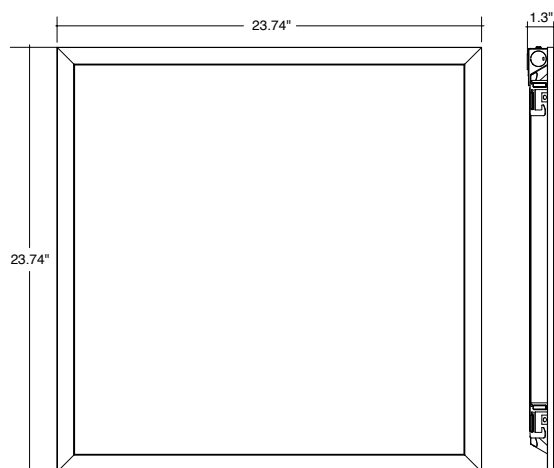
### FEATURES



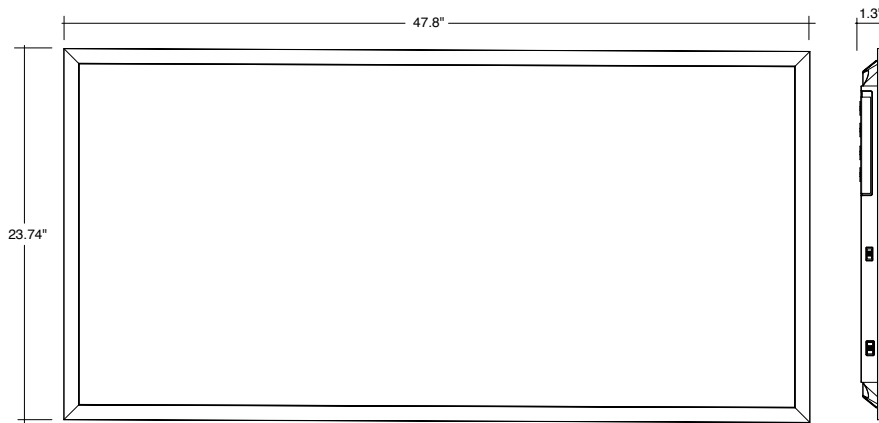
### DIMENSIONS



**1X4**



**2X2**



**2X4**

### ACCESSORIES



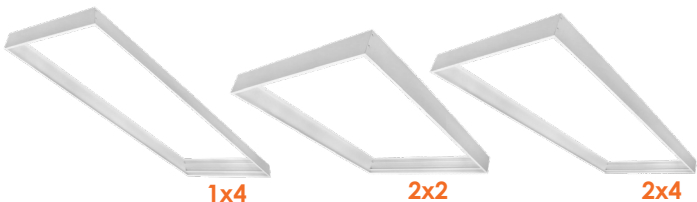
SK-10FT-Y-LC-CB  
SK-20FT-Y-LC-CB



CK-6FT-V



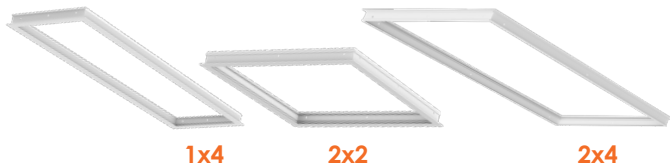
S-AUD-PIR-1  
S-AUD-PIR-BT  
S-AUD-PIR-SL



1x4

2x2

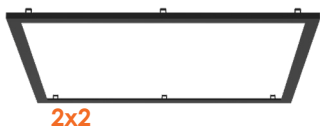
2x4



1x4

2x2

2x4



2x2



1x4



2x4

### SUSPENSION KITS

| Accessory       | Description                              |
|-----------------|------------------------------------------|
| SK-10FT-Y-LC-CB | 10' Suspension Kit                       |
| SK-20FT-Y-LC-CB | 20' Suspension Kit                       |
| CK-6FT-V        | 6' Chain Hanging Kit                     |
| LED-PNL-2X4-SK  | 3.5' Suspension Kit, works for all sizes |

### SENSORS

| Accessory Model | Description                                                       |
|-----------------|-------------------------------------------------------------------|
| S-AUD-PIR-1     | PIR Bi-Level Motion + Daylight Sensor Remote Required: (S-LINE-R) |
| S-AUD-PIR-BT    | PIR ENVISIONLS Bluetooth Control                                  |
| S-AUD-PIR-SL    | PIR SILVAIR Bluetooth Mesh                                        |

### SURFACE MOUNT KITS

| Accessory | Description                                                 |
|-----------|-------------------------------------------------------------|
| 2X2-SM-3" | 2X2 Surface Mount Kit 3" Height for all Panels and Troffers |
| 2X4-SM-3" | 2X4 Surface Mount Kit 3" Height for all Panels and Troffers |
| 1x4-SM-3" | 1X4 Surface Mount Kit 3" Height for all Panels and Troffers |

### DRYWALL KITS

| Accessory        | Description                                          |
|------------------|------------------------------------------------------|
| LED-PNL-2X2-FLNG | Flange (Drywall) Kit for Panels for all 2X2 Fixtures |
| LED-PNL-2X4-FLNG | Flange (Drywall) Kit for Panels for all 2X4 Fixtures |
| LED-PNL-1X4-FLNG | Flange (Drywall) Kit for Panels for all 1X4 Fixtures |

### TRIMS

| Accessory       | Description                            |
|-----------------|----------------------------------------|
| BPL-2X2-TRIM-BL | 2x2 LED Panel: Backlit-Line Black Trim |
| BPL-1X4-TRIM-BL | 1x4 LED Panel: Backlit-Line Black Trim |
| BPL-2X4-TRIM-BL | 2x4 LED Panel: Backlit-Line Black Trim |

Luminaires for Ambient Lighting of - DLC Product ID:

|                          |                     |
|--------------------------|---------------------|
| LED-BPL-2x2-3M40-5CCT    | S-IMBE52 (Standard) |
| LED-BPL-2x4-3M50-5CC     | S-U0267J (Standard) |
| LED-BPL-1x4-3M40-5CCT    | S-DR8V2E (Standard) |
| LED-BPL-2x2-3M50-5CCT-HL | S-V26054 (Standard) |
| LED-BPL-2x4-3M65-5CCT-HL | S-WNV8KG (Premium)  |

# EnVisionLED™ Control Options

EnVision LED offers 3 control systems compatible with our LED Fixtures for projects of all sizes and budgets.

|                                                     | Basic Controls                   | EnVisionLS                                                                                      | EnVisionLED x SILVAIR                                                                            |
|-----------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>                                  | Standard Plug In Sensors         | Basic Bluetooth Wireless Control                                                                                                                                                   | Advanced Bluetooth Wireless Control                                                                                                                                                 |
| <b>Recommended Quantity</b><br>(but not limited to) | N/A                              | >40-50 Nodes                                                                                                                                                                       | >50 Nodes                                                                                                                                                                           |
| <b>Maximum Zone Quantity</b>                        | N/A                              | 100                                                                                                                                                                                | 3,000                                                                                                                                                                               |
| <b>Commissioning Tool</b>                           | Remote Only                      |   ENVISIONLS App |   SILVAIR App |
| <b>Commissioning Process</b>                        | Individually Set via Remote      | Wireless<br>Must be done on site                                                                                                                                                   | Wireless- Initial linking must be done on site. Commissioning can be done via desktop remotely.                                                                                     |
| <b>Floor Plan Upload</b>                            | N/A                              | N/A                                                                                                                                                                                | Yes<br>Add a floor plan and mark luminaires & zones via desktop                                                                                                                     |
| <b>Gateway</b>                                      | N/A                              | N/A                                                                                                                                                                                | Required only for energy monitoring, advanced scheduling, automated demand response.                                                                                                |
| <b>Individual Luminaire Control</b>                 | Yes                              | Yes                                                                                                                                                                                | Yes                                                                                                                                                                                 |
| <b>Luminaire Grouping Zoning</b>                    | N/A                              | Yes                                                                                                                                                                                | Yes                                                                                                                                                                                 |
| <b>High End Power<br/>Low End Power</b>             | Yes but limited<br>(View Remote) | Yes                                                                                                                                                                                | Yes                                                                                                                                                                                 |
| <b>Cost</b>                                         | \$                               | \$\$                                                                                                                                                                               | \$\$\$                                                                                                                                                                              |
| <b>DLC NLC Listed</b>                               | N/A                              | Yes                                                                                                                                                                                | Yes                                                                                                                                                                                 |
| <b>Energy Monitoring &amp; Data Reporting</b>       | N/A                              | N/A                                                                                                                                                                                | Monitor energy usage per individual zone & retrofit cost savings calculation + detailed reporting                                                                                   |



## Compatible Products:

EnVision offers a variety of nodes, sensors, & gateways that are controlled via remote, ENVISIONLS Bluetooth Mesh & SILVAIR Bluetooth Mesh on all of our 0-10V dimmable fixtures.



### Individual Fixture Controls: PIR Sensor, Bi-Level Dimming, Daylight

Basic Note: -1 • ENVISIONLS Models Note: -BT • SILVAIR Models Note: -SL

|                                                                                     | MODEL #                                                                                           | DESIGN                                 | RECOMMENDED FIXTURE                                                      | FEATURES                                                                                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|   | <b>S-TWC-PIR-1</b><br><b>S-TWC-PIR-BT</b><br><b>S-TWC-PIR-SL</b>                                  | Twist-C Control Sensor                 | Sensor Ready Fixtures:<br>Area Lights, Canopies, Flood Lights, High Bays | All models are equipped with PIR occupancy sensing, high & low end bi-level dimming, & daylight sensing. |
|  | <b>S-TWC-90 + S-TWC-PIR-1</b><br><b>S-TWC-90 + S-TWC-PIR-BT</b><br><b>S-TWC-90 + S-TWC-PIR-SL</b> | Twist-C Control Sensor + 90 Degree Arm | Cylinders, Strips, Wall Packs                                            |                                                                                                          |
|  | <b>S-AUD-PIR-1</b><br><b>S-AUD-PIR-BT</b><br><b>S-AUD-PIR-SL</b>                                  | 2.5m Audio Jack                        | Panels & Troffers                                                        |                                                                                                          |
|  | <b>S-SN-PIR-1</b><br><b>S-SN-PIR-BT</b><br><b>S-SN-PIR-SL</b>                                     | Snap In Sensor                         | Troffers & Wraps                                                         |                                                                                                          |

### Group Controls ENVISIONLS Models Note : -BT • SILVAIR Models Note: -SL

|                                                                                     | MODEL #                                            | DESIGN                                                        | VOLTAGE  | FEATURES                                                                        | RECOMMENDED FEATURES                |
|-------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------|----------|---------------------------------------------------------------------------------|-------------------------------------|
|  | <b>S-CM-PIR-LV-BT</b><br><b>S-CM-PIR-LV-SL</b>     | Ceiling Mounted PIR Sensor                                    | 12-24V   | PIR Sensor, Bi-Level Dimming, Daylight, 360° detection, 12' Max Mounting Height | Connects to 0-10V dimmable fixtures |
|  | <b>S-WM-PIR-CUNV-BT</b><br><b>S-WM-PIR-CUNV-SL</b> | Wall Mounted PIR Occupancy Sensor, Bi-Level Dimming, Daylight | 120-277V | On/Off PIR occupancy sensor, 180° detection, 30' detection @ 4' Mounting Height | Connects to LED fixtures            |
|  | <b>S-WS-120V-USB-SL</b>                            |                                                               | 120V     | Dimming Wall Socket, Two Sockets                                                | Floor Lamps, Other Lamps            |

### Gateway (Silvair Only) 4.5–5.5 V DC, 2A Power over Ethernet 36–57 V DC

|                                                                                     | MODEL #        | DESIGN                  | VOLTAGE | FEATURES                           | RECOMMENDED FEATURES                                   |
|-------------------------------------------------------------------------------------|----------------|-------------------------|---------|------------------------------------|--------------------------------------------------------|
|  | <b>SGW-102</b> | Wall or Ceiling Mounted | POE     | Advanced Energy Monitoring Control | Connects to Silvair Controls. Gateway is not required. |