

# LED Panels: BackLit Line

## 5-CCT & 3-Power Selectable



2X4

2X2

1X4

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

**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
- IC Rated

**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

Series	Sensor	Emergency Driver <sup>1</sup>	Whip
<b>LED-BPL-2X2-3M40-5CCT</b> 20/30/40W	(blank) No Sensor	(blank) No	(blank) 120-277V No Whip
<b>LED-BPL-2X2-3M50-5CCT-HL</b> 30/40/50W	<b>SR</b> Sensor Ready (See sensor options)	Emergency <b>EMB</b> Emergency Backup	<b>HV</b> 347-480V Stepdown <b>-6FLX</b> 6' Flex
<b>LED-BPL-2X4-3M50-5CCT</b> 30/40/50W			
<b>LED-BPL-2X4-3M65-5CCT-HL</b> 45/55/65W			
<b>LED-BPL-1X4-3M40-5CCT</b> 20/30/40W			

1. HV: High voltage is made to order.

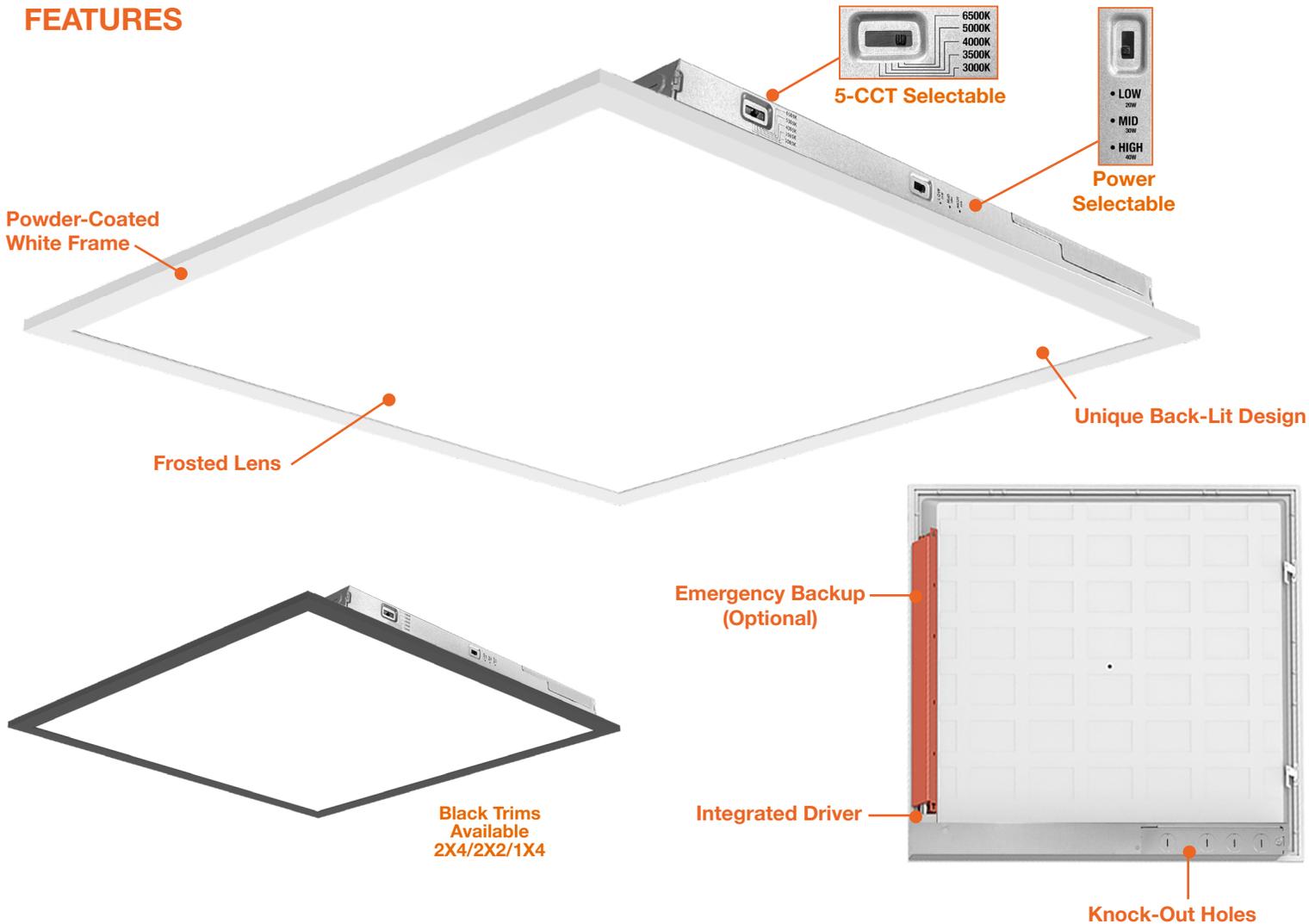
**Optional Accessories (Order Separately)**

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

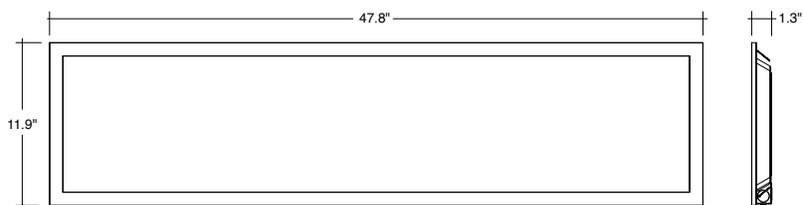
1. Custom height options available. Contact us.

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

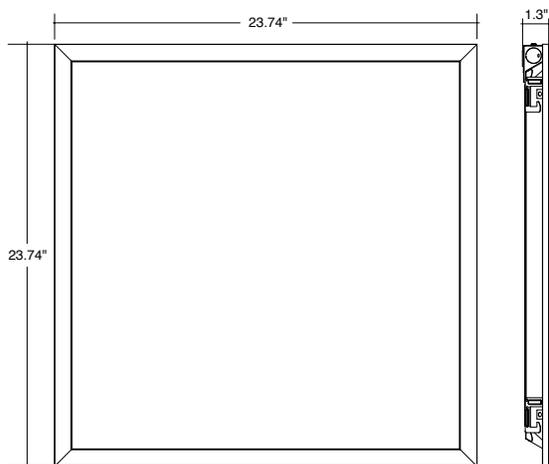
**FEATURES**



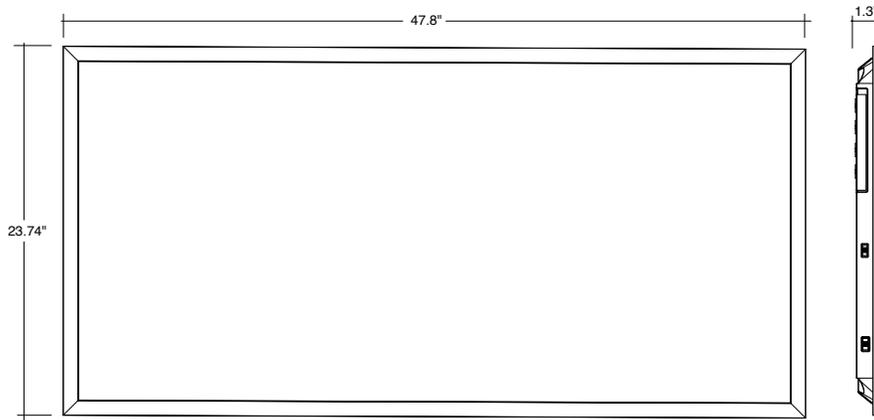
**DIMENSIONS**



**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

Model	Voltage	Watts	Lumens	Color	CRI
LED-BPL-2X2-3M40-5CCT	120/277V	20/30/40w	2600/3900/4400	30/35/40/50/65k	>80
LED-BPL-2X2-3M50-5CCT-HL	120/277V	30/40/50w	3900/4400/5500	30/35/40/50/65k	>80
LED-BPL-2X4-3M50-5CCT	120/277V	30/40/50w	3900/4400/5500	30/35/40/50/65k	>80
LED-BPL-2X4-3M65-5CCT-HL	120/277V	45/55/65w	5625/6875/8125	30/35/40/50/65k	>80
LED-BPL-1X4-3M40-5CCT	120/277V	20/30/40w	2600/3900/4400	30/35/40/50/65k	>80

**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> (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 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 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 Low End Power</b>	Yes but limited (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> <b>S-TWC-PIR-BT</b> <b>S-TWC-PIR-SL</b>	Twist-C Control Sensor	Sensor Ready Fixtures: 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> <b>S-TWC-90 + S-TWC-PIR-BT</b> <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> <b>S-AUD-PIR-BT</b> <b>S-AUD-PIR-SL</b>	2.5m Audio Jack	Panels & Troffers	
	<b>S-SN-PIR-1</b> <b>S-SN-PIR-BT</b> <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> <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> <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.