

# C-Line: 2x2 & 2x4 Center Basket Troffers

5-CCT + 5-Power



2X2

2X4

Shown with  
Sensor Option

## Detail Specification:

- Finish: White
- IP Rating: Damp Location (IP44)
- 5CCT: 30/35/40/50/65K
- Beam Angle: 110°
- Chip: SMD 2835, R9 >50, CRI >80
- Optional CRI >90 chip available
- Operating Temperature: -40° - 114° F
- Lens: Frosted, non-yellowing
- Average life (L70) of 50,000 hours

## Applications:

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

## Product Information:

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

## Driver Options:

- UNV: 120-277V 0-10V Dimmable
- Optional 347-480V step down transformer available
- THD: <15% (+/-5% tolerance), PF >0.9, 50/60Hz
- Isolated Driver
- Flicker Free

## Mounting & Installation:

- Replace existing fluorescent 2x2 & 2x4 fixtures
- See installation guide for full details

## Certifications:

- UL Listed for USA and CA
- DLC Premium Listed
  - 2X2 Product ID: S-0JDJWS
  - 2X4 Product ID: S-CS4N2Q
- Approved for CA T24
- 5 Year Limited Warranty

LED-CBT-2X2-5P40-5CCT

| WATT | LUMENS |
|------|--------|
| 20   | 2,500  |
| 25   | 3,125  |
| 30   | 3,750  |
| 35   | 4,375  |
| 40   | 5,000  |

LED-CBT-2X4-5P50-5CCT

| WATT | LUMENS |
|------|--------|
| 20   | 3,750  |
| 25   | 4,375  |
| 30   | 5,000  |
| 40   | 5,625  |
| 50   | 6,250  |

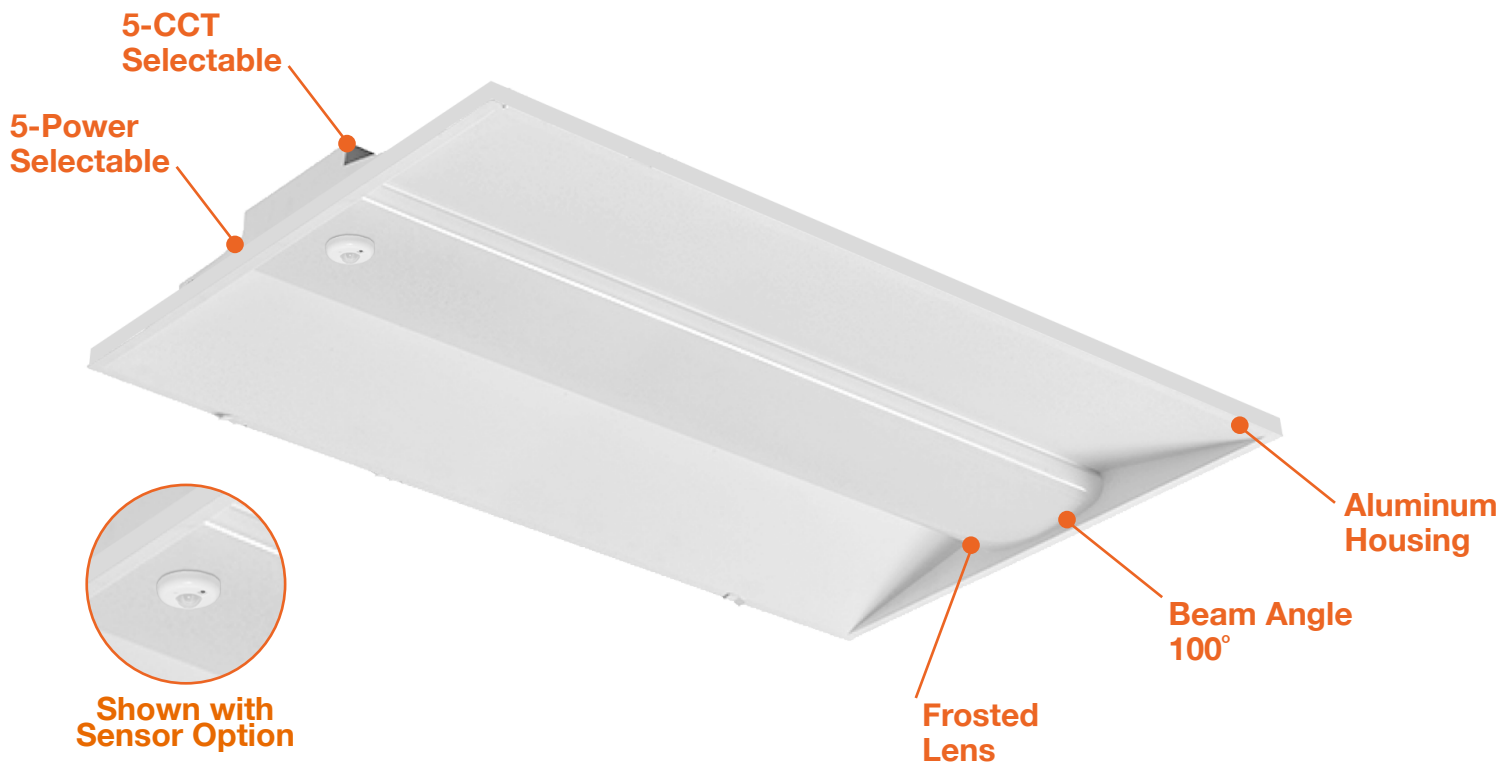
| Item                                            | Sensor                                                                                                                                                                                                                                 | Emergency                                   | Driver                            | CRI            | Whip                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------|----------------|-------------------------|
| <b>LED-CBT-2X2-5P40-5CCT</b><br>20/25/30/35/40W | (Blank)<br>No Sensor                                                                                                                                                                                                                   | (Blank)<br>No Emergency                     | (Blank)<br>120-277                | (Blank)<br>>80 | (Blank)<br>No Whip      |
| <b>LED-CBT-2X4-5P50-5CCT</b><br>20/25/30/40/50W | <b>BMS</b><br>Bi-Level Motion<br>+ Daylight Sensor<br>(S-BMS-INT-1)<br><b>BMS-BT</b><br>Bi-Level Motion +<br>Daylight<br>Sensor +<br>Bluetooth App<br>Controlled<br>(S-BMS-INT-1-BT)<br><b>BMS-SL</b><br>PIR SILVAIR<br>Bluetooth Mesh | <b>EMB</b><br>Backup<br>Emergency<br>Backup | <b>HV</b><br>347-480V<br>Stepdown | <b>-90CRI</b>  | <b>-6FLX</b><br>6' Flex |

## Optional Accessories (Order Separately)

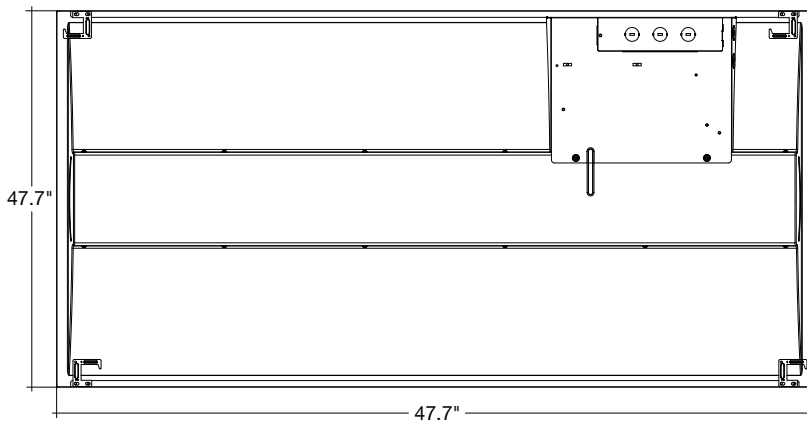
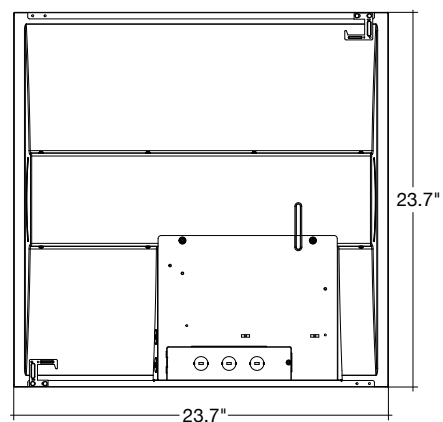
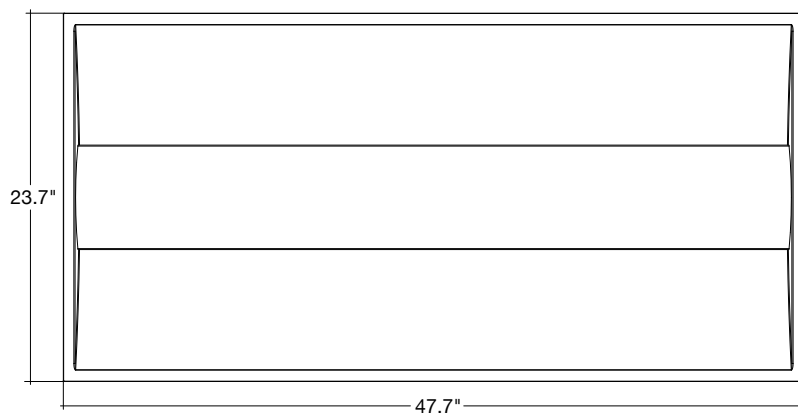
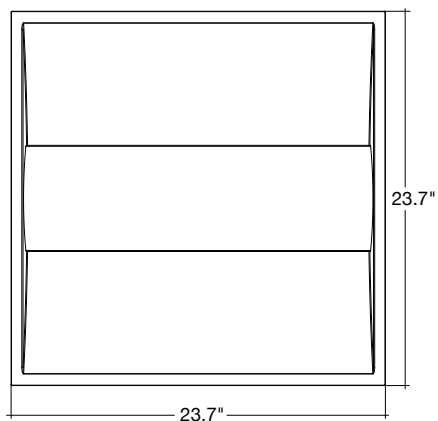
| Suspension Kits                              | Surface Mount Kits            | 1<br>Drywall Kits                      |
|----------------------------------------------|-------------------------------|----------------------------------------|
| <b>SK-10FT-Y-LC-CB</b><br>10' Suspension Kit | <b>2X2-SM-3"</b><br>3" Height | <b>LED-PNL-2X2-FLNG</b><br>Drywall Kit |
| <b>SK-20FT-Y-LC-CB</b><br>20' Suspension Kit | <b>2X4-SM-3"</b><br>3" Height | <b>LED-PNL-2X4-FLNG</b><br>Drywall Kit |
| <b>CK-6FT-V</b><br>6' Chain Hanging Kit      |                               |                                        |

1. Custom height options available. Contact us.

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



## DIMENSIONS



**2X2**



**2X4**

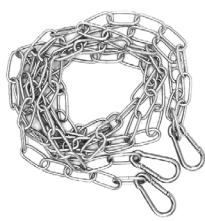
## ACCESSORIES



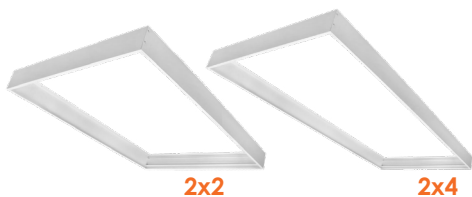
**S-LINE-R**



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



**CK-6FT-V**



**2x2**

**2x4**



**2x2**

**2x4**

## TROFFERS

| Fixture Model         | Voltage  | Watts          | Lumens                   | Color           | CRI |
|-----------------------|----------|----------------|--------------------------|-----------------|-----|
| LED-CBT-2X2-5P40-5CCT | 120-277V | 40/35/30/25/20 | 5000/4375/3750/3125/2500 | 30/35/40/50/65k | >80 |
| LED-CBT-2X4-5P50-5CCT | 120-277V | 50/45/40/35/30 | 6250/5625/5000/4375/3750 | 30/35/40/50/65k | >80 |

## BMS CONTROLLER

| Model    | Item Description                 | Voltage | Watts |
|----------|----------------------------------|---------|-------|
| S-LINE-R | Remote for S-LINE Series Sensors | 12V     | <1w   |

## SENSORS

| Pre-Installed Accessory Model | Description                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------|
| Add '-BMS' to model #         | Bi-Level Motion + Daylight Sensor Remote Required: (S-LINE-R)                            |
| Add '-BMS-BT' to model #      | S-BMS-EXT-1-BT: Bi level motion + daylight sensor W/ bluetooth control (EnvisionNLS App) |
| Add: -BMS-SL to Model #       | SILVAIR Enable Bluetooth Control: PIR/Daylight/Zoning/Monitoring                         |

## SUSPENSION KITS

| Accessory       | Description           |
|-----------------|-----------------------|
| SK-10FT-Y-LC-CB | 10' Suspension Kit    |
| SK-20FT-Y-LC-CB | 20' Chain Hanging Kit |
| CK-6FT-V        | 6' Chain Hanging Kit  |

## 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 |

## 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 |

# 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;<br/>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<br>Control Sensor                    | Sensor Ready Fixtures:<br>Area Lights, Canopies, Flood Lights,<br>High Bays | All models are equipped<br>with PIR occupancy sensing,<br>high & low end bi-level dimming,<br>& 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<br>Control Sensor<br>+ 90 Degree Arm | Cylinders, Strips,<br>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<br>PIR Sensor                                          | 12-24V   | PIR Sensor, Bi-Level Dimming,<br>Daylight, 360° detection,<br>12' Max Mounting Height | Connects to 0-10V<br>dimmable fixtures |
|  | <b>S-WM-PIR-CUNV-BT</b><br><b>S-WM-PIR-CUNV-SL</b> | Wall Mounted PIR<br>Occupancy Sensor,<br>Bi-Level Dimming,<br>Daylight | 120-277V | On/Off PIR occupancy sensor,<br>180° detection, 30' detection<br>@ 4' Mounting Height | Connects to LED fixtures               |
|  | <b>S-WS-120V-USB-SL</b>                            |                                                                        | 120V     | Dimming Wall Socket,<br>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<br>Mounted | POE     | Advanced Energy<br>Monitoring Control | Connects to Silvair Controls.<br>Gateway is not required. |