

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

## Retrofit Kit Series



### 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 Retrofit
- 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
- 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:

- Retrofit existing fluorescent 2x2 & 2x4 fixtures
- Mounting brackets included
- See installation guide for full details

### Certifications:

- UL Listed for USA and CA
- DLC Premium Listed
  - 2X2 Product ID: S-SP0GTR
  - 2X4 Product ID: S-DNMKBW
- Approved for CA T24
- 5 Year Limited Warranty



2X2



2X4



Shown with  
Sensor Option

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

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

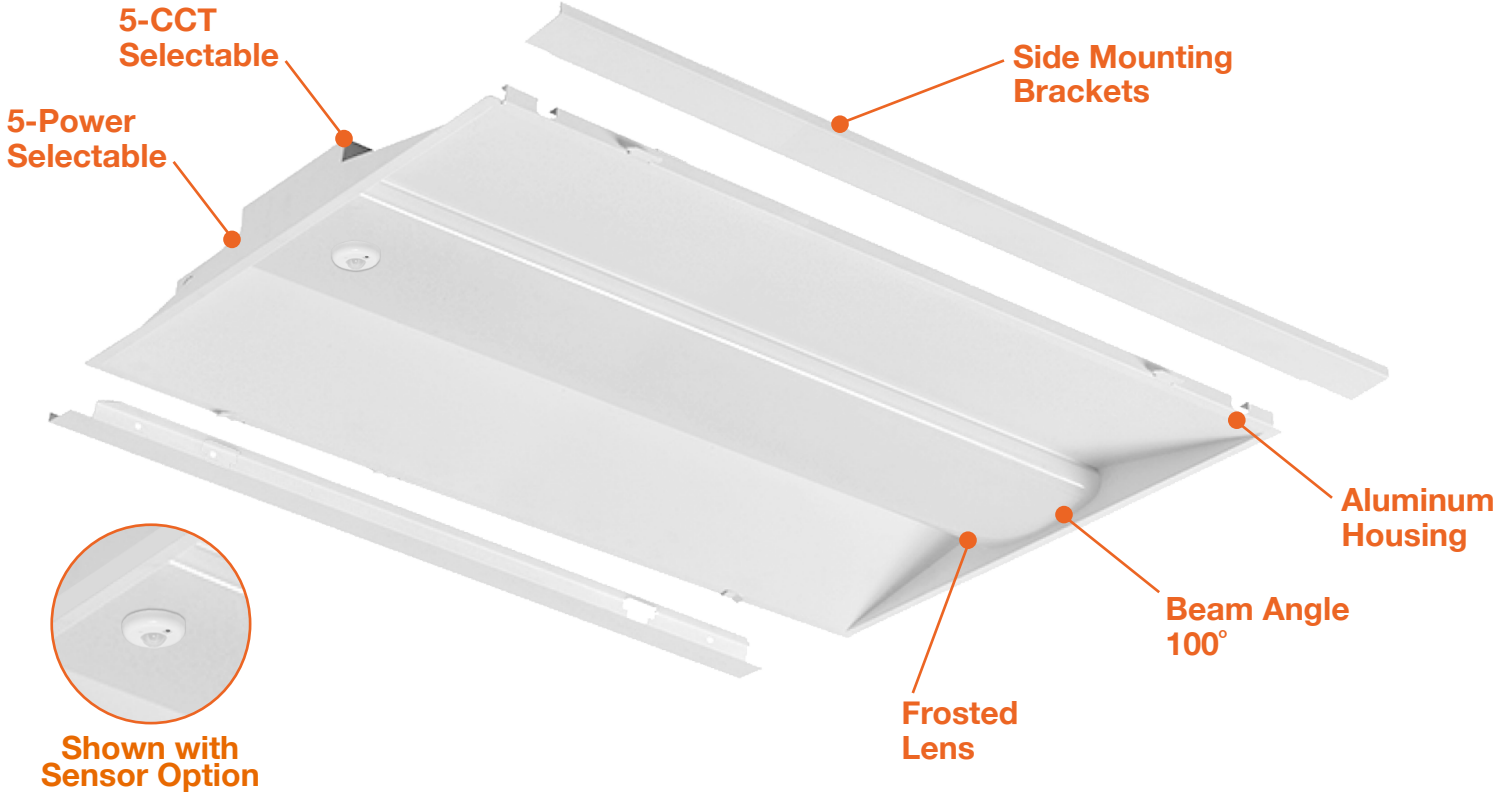
#### LED-CBT-RK-2X4-5P50-5CCT

WATT	LUMENS
30	3,750
35	4,375
40	5,000
45	5,625
50	6,250

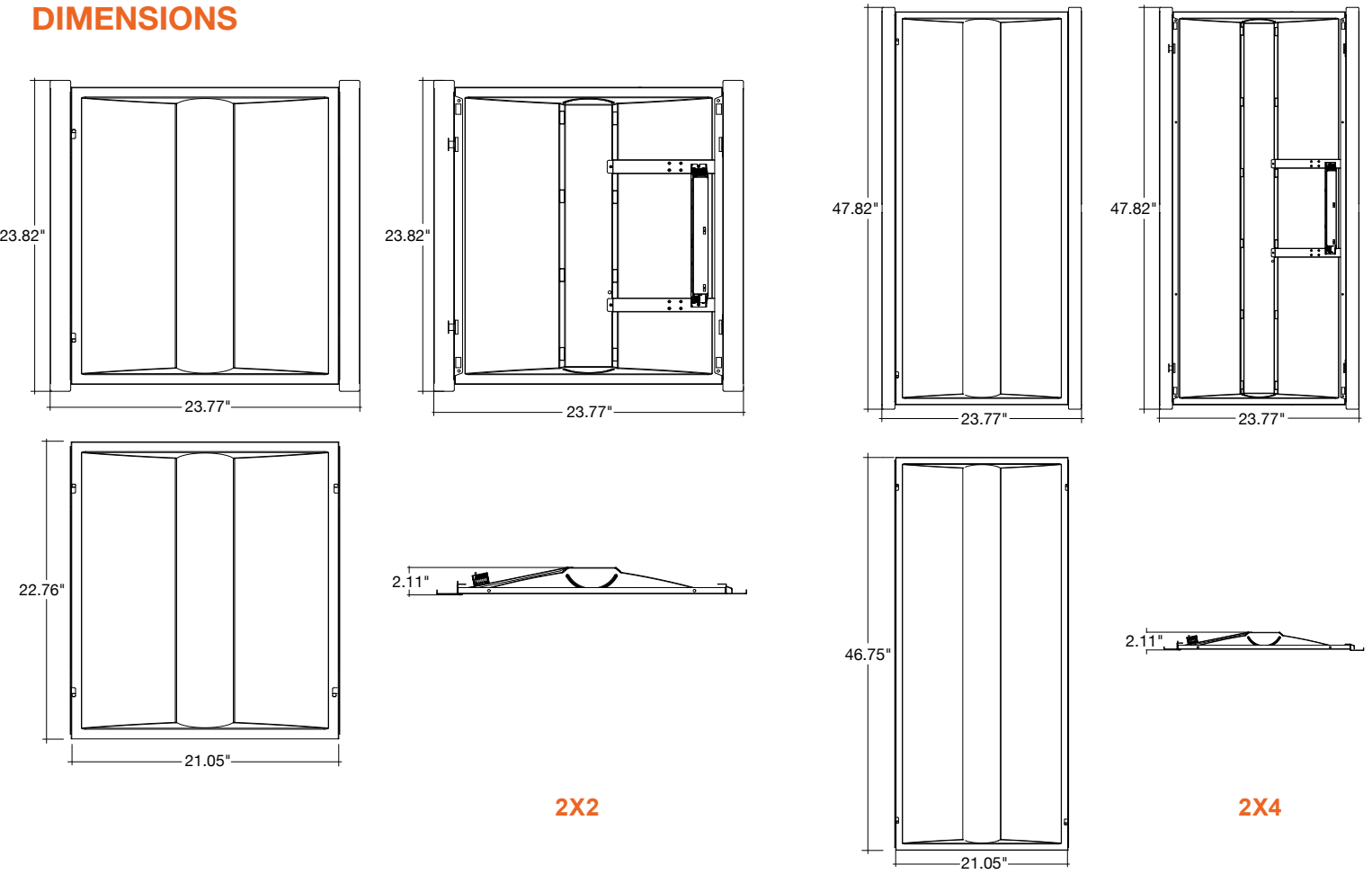
Item	Sensor	Emergency	Driver	Whip
<b>LED-CBT-RK-2X2-5P40-5CCT</b> 20/25/30/35/40W	(Blank) No Sensor	(Blank) No Emergency	(Blank) 120-277	(Blank) No Whip
<b>LED-CBT-RK-2X4-5P50-5CCT</b> 30/35/40/45/50W	<b>BMS</b> Bi-Level Motion + Daylight Sensor Remote Required: (S-LINE-R) <b>BMS-BT</b> PIR ENVISIONLS Bluetooth Control <b>BMS-SL</b> PIR SILVAIR Bluetooth Mesh	Backup <b>EMB</b> Emergency Backup	<b>HV</b> 347-480V Stepdown	<b>-6FLX</b> 6' Flex

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

**FEATURES**



**DIMENSIONS**



**ACCESSORIES**



**S-LINE-R**

**TROFFERS**









Fixture Model	Voltage	Watts	Lumens	Color	CRI
LED-CBT-RK-2X2-5P40-5CCT	120-277V	40/35/30/25/20	5000/4375/3750/3125/2500	27/30/35/40/50K	>80
LED-CBT-RK-2X4-5P50-5CCT	120-277V	50/45/40/35/30	6250/5625/5000/4375/3750	27/30/35/40/50K	>80

**BMS CONTROLLER**

Model	Item Description	Voltage	Watts
S-LINE-R	Remote for S-LINE Series Sensors	12V	<1w
S-LINE-DIM-BT	Dimmer for S-LINE Series Bluetooth Sensors		<1w

# 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.