

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

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

20/25/30/35/40W

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

30/35/40/45/50W

(Blank)

No Sensor

BMS

Bi-Level Motion

+ Daylight Sensor

Remote Required:

(S-LINE-R)

BMS-BT

PIR ENVISIONLS

Bluetooth Control

BMS-SL

PIR SILVAIR

Bluetooth Mesh

(Blank)

No Emergency

Backup

EMB

Emergency

Backup

(Blank)

120-277

HV

347-480V

Stepdown

(Blank)

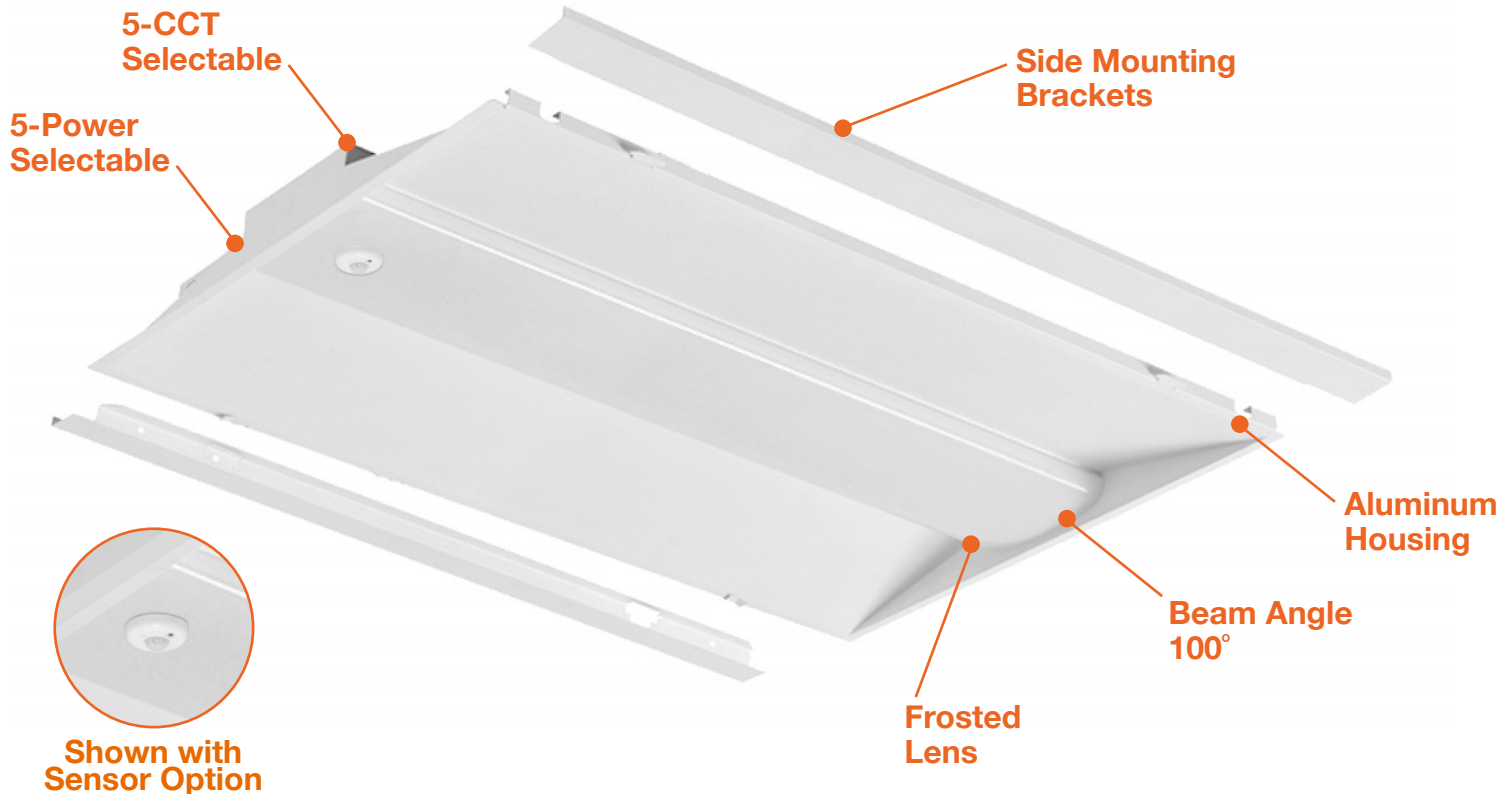
No Whip

-6FLX

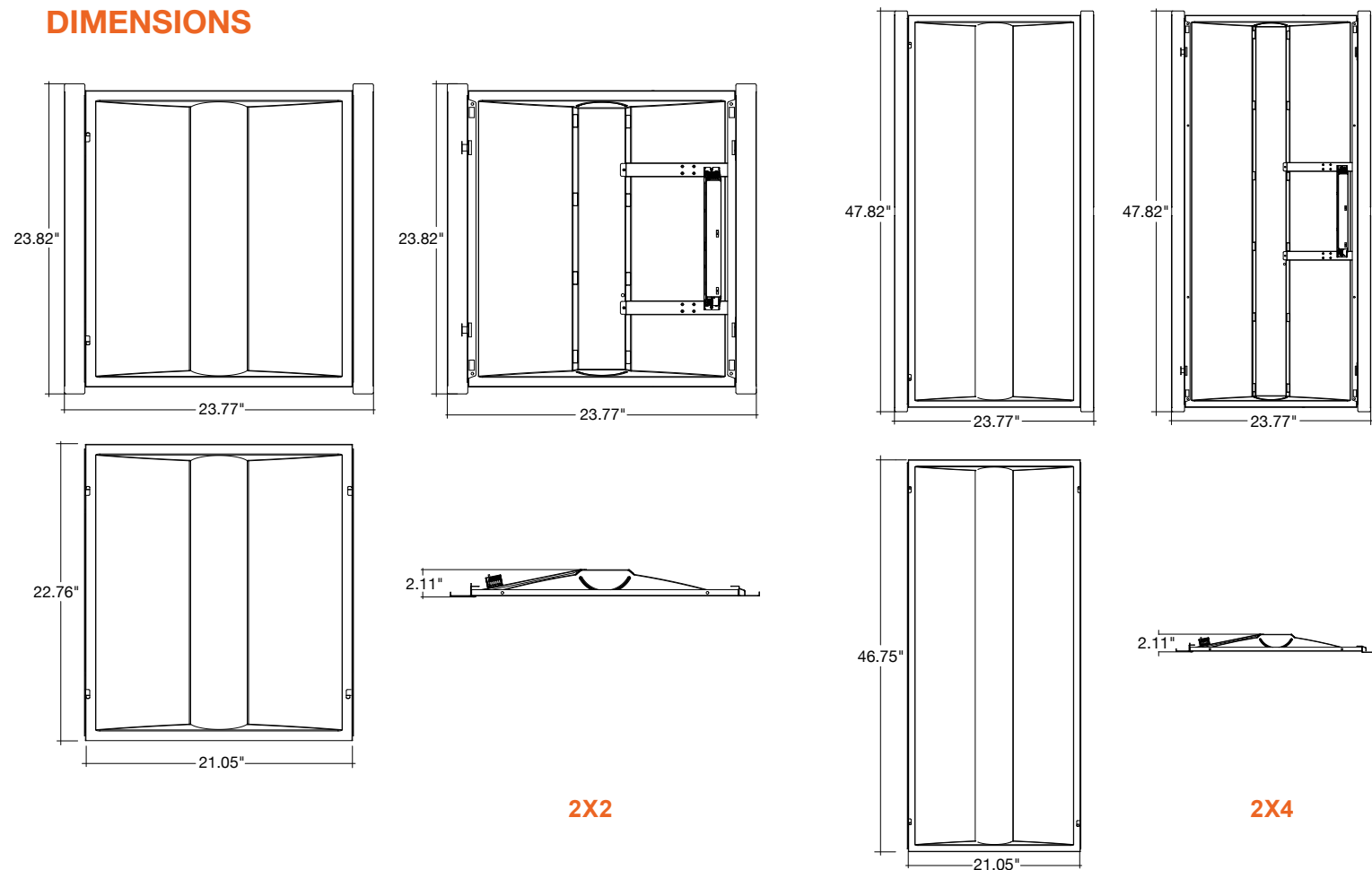
6' Flex

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 
Description	Standard Plug In Sensors	Basic Bluetooth Wireless Control	Advanced Bluetooth Wireless Control
Recommended Quantity (but not limited to)	N/A	>40-50 Nodes	>50 Nodes
Maximum Zone Quantity	N/A	100	3,000
Commissioning Tool	Remote Only	  ENVISIONLS App 	  SILVAIR App 
Commissioning Process	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.
Floor Plan Upload	N/A	N/A	Yes Add a floor plan and mark luminaires & zones via desktop
Gateway	N/A	N/A	Required only for energy monitoring, advanced scheduling, automated demand response.
Individual Luminaire Control	Yes	Yes	Yes
Luminaire Grouping Zoning	N/A	Yes	Yes
High End Power Low End Power	Yes but limited (View Remote)	Yes	Yes
Cost	\$	\$\$	\$\$\$
DLC NLC Listed	N/A	Yes	Yes
Energy Monitoring & Data Reporting	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
	S-TWC-PIR-1 S-TWC-PIR-BT S-TWC-PIR-SL	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.
	S-TWC-90 + S-TWC-PIR-1 S-TWC-90 + S-TWC-PIR-BT S-TWC-90 + S-TWC-PIR-SL	Twist-C Control Sensor + 90 Degree Arm	Cylinders, Strips, Wall Packs	
	S-AUD-PIR-1 S-AUD-PIR-BT S-AUD-PIR-SL	2.5m Audio Jack	Panels & Troffers	
	S-SN-PIR-1 S-SN-PIR-BT S-SN-PIR-SL	Snap In Sensor	Troffers & Wraps	

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

	MODEL #	DESIGN	VOLTAGE	FEATURES	RECOMMENDED FEATURES
	S-CM-PIR-LV-BT S-CM-PIR-LV-SL	Ceiling Mounted PIR Sensor	12-24V	PIR Sensor, Bi-Level Dimming, Daylight, 360° detection, 12' Max Mounting Height	Connects to 0-10V dimmable fixtures
	S-WM-PIR-CUNV-BT S-WM-PIR-CUNV-SL	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
	S-WS-120V-USB-SL		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
	SGW-102	Wall or Ceiling Mounted	POE	Advanced Energy Monitoring Control	Connects to Silvair Controls. Gateway is not required.