



## Center Basket Troffer

CBTS-LED

**The CBTS-LED Series** is a volumetric LED troffer engineered for performance and flexibility. Featuring a standard sensor receptacle along with lumen and CCT selection switches, it adapts easily to a wide range of applications. Designed to provide smooth, even illumination while minimizing glare, the CBTS-LED delivers comfortable, high-quality lighting. It is an ideal solution for schools, hospitality spaces, and commercial environments.

### IDEAL APPLICATIONS

Offices

Schools

Retail Spaces

Convenience Stores

Commercial Spaces

### SPECIFICATIONS

	CBTS22	CBTS24
<b>PERFORMANCE</b>		
Light Output	5800/4400/2900 lm	7200/5700/4300 lm
Efficacy	145 lm/W	
CCT	3500/4000/5000K (CCT Selectable)	
Beam Distribution	120°	
LED Lifetime (L85)	>100,000 Hrs	
CRI	>83	
<b>ELECTRICAL</b>		
Wattage	40/30/20W	50/40/30W
Voltage	120-347 V	
Surge Protection	2kV (Built-in Driver) as per IEC/EN61000-4-5	
Power Factor	≥0.9	
THD	≤15%	
Dimming	0-10V (0-100% Dimming, Dim to Off)	
<b>CONSTRUCTION</b>		
Housing	Steel Back housing	
Finish	White	
Lens	Frosted Polycarbonate	
Weight	6 lbs	11 lbs
<b>AMBIENT OPERATING TEMPERATURE</b>		
Fixture	-20°C to 40°C (-4°F to 104°F)	

<b>MOUNTING</b>		
Recessed in T-bar grid ceiling with integral earthquake clips		
Surface mount/suspension mount (kit sold separately)		
<b>CERTIFICATIONS</b>		
cULus Listed for Canada and USA, per UL 1598, CSA C22.2 No. 250.0		
DLC Premium		
<b>CONTROLS</b>		
<b>Sensor</b>	Bluetooth PIR Motion Sensor	
	PIR Motion Sensor (RC-500 remote needed to operate sensor)	
<b>Switches</b>	Bluetooth 3-KEY AC Line voltage wall switch	
	Bluetooth 5-KEY Battery powered wireless wall switch & plate	
<b>LUMEN MAINTENANCE</b>		
L90	L80	L70
>60000 hrs	>100000	>125000
<b>MAX AMPERAGE DRAW (A)</b>		
	CBTS22-LED40A20	CBTS24-LED50A30
120V	0.37	0.46
208V	0.21	0.26
240V	0.18	0.23
277V	0.16	0.20
347V	0.13	0.16

**Note:**

- Electrical and Light Performance data is based on LM79 test report at 4000K and 120V.

- Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.

**CONTROLLED**



## ORDERING GUIDE

Fixture	Wattage	Voltage	Colour Temp.	Dimming	Controls
CBTS22	LED40A20	H - 120-347V	VK - CCT Selectable (3500K/4000K/ 5000K)	DIM - 0-10V Dimming	SR - Sensor Receptacle
CBTS24	LED50A30				

Default Setting: Maximum Wattage and 4000K

### STOCK CODE

033422	CBTS22-LED40A20-H-VK-DIM-SR
033424	CBTS24-LED50A30-H-VK-DIM-SR

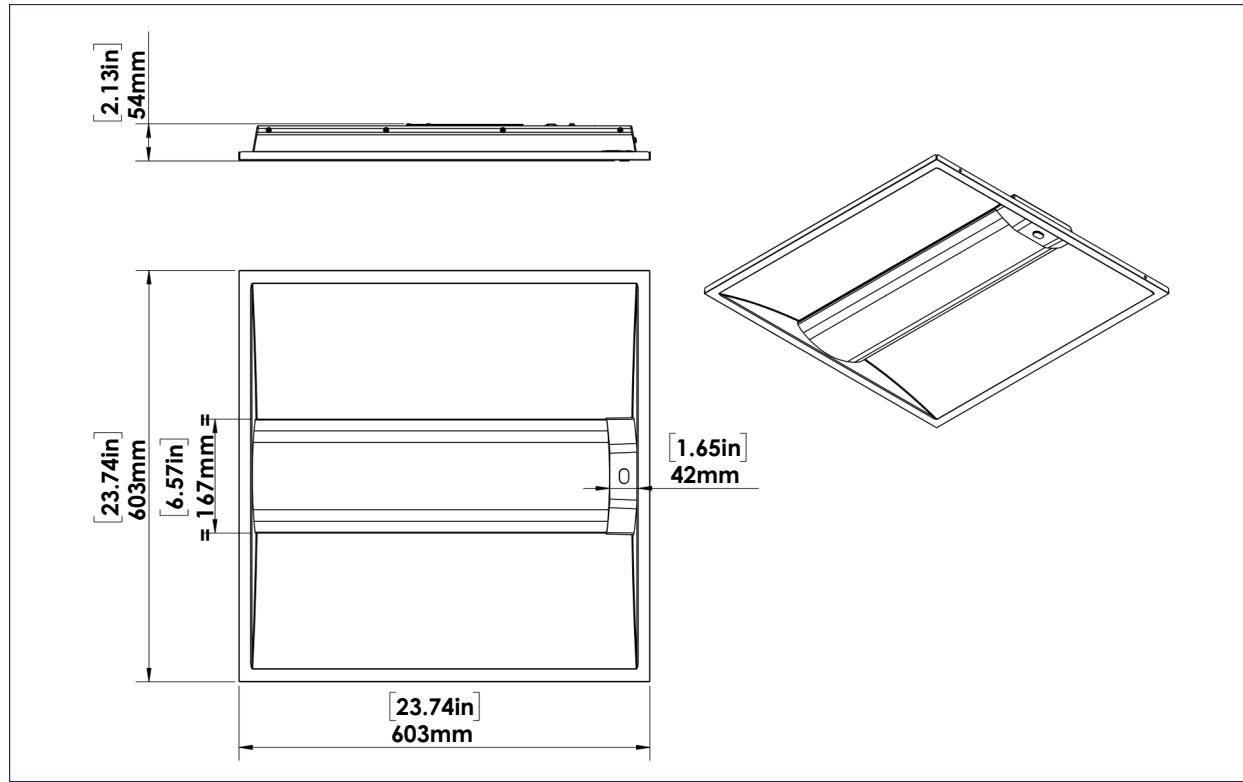
### ACCESSORIES SOLD SEPARATELY

083786	LOWBAY RC PIR MOTION/DLH PLUG-IN SENSOR		070002	2 CABLE SUSPENSION MOUNT KIT F/PANELS/TROFFERS	
083787	LOWBAY BLUETOOTH PIR MOTION/DLH PLUG-IN SENSOR		072203	SURFACE MOUNT KIT F/2x2 PANELS/TROFFERS	
083789	CONTROLLED RC-500 MOTION SENSOR REMOTE CONTROL		072403	SURFACE MOUNT KIT F/2x4 PANELS/TROFFERS	
084215	BLUETOOTH 3-KEY AC LINE VOLTAGE WALL SWITCH 120-277VAC, 3-KEYS(ON/OFF, DIM+, DIM-)		072205	DRY WALL KIT F/2X2 PANELS/TROFFERS	
084633	BLUETOOTH 5-KEY BATTERY POWERED WIRELESS WALL SWITCH & PLATE <sup>1</sup>		072206	DRY WALL KIT F/2X4 PANELS/TROFFERS	

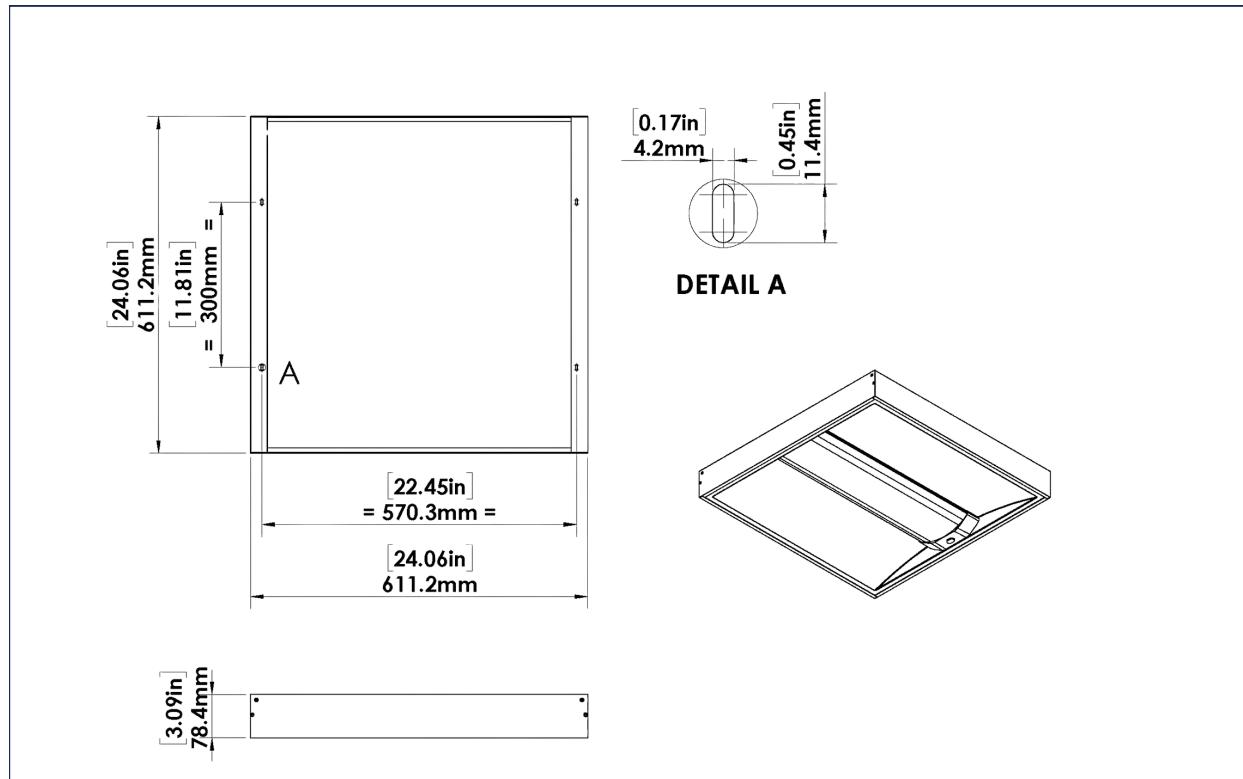
<sup>1</sup> Wireless Bluetooth module can also be used as portable remote control.

## DIMENSIONS

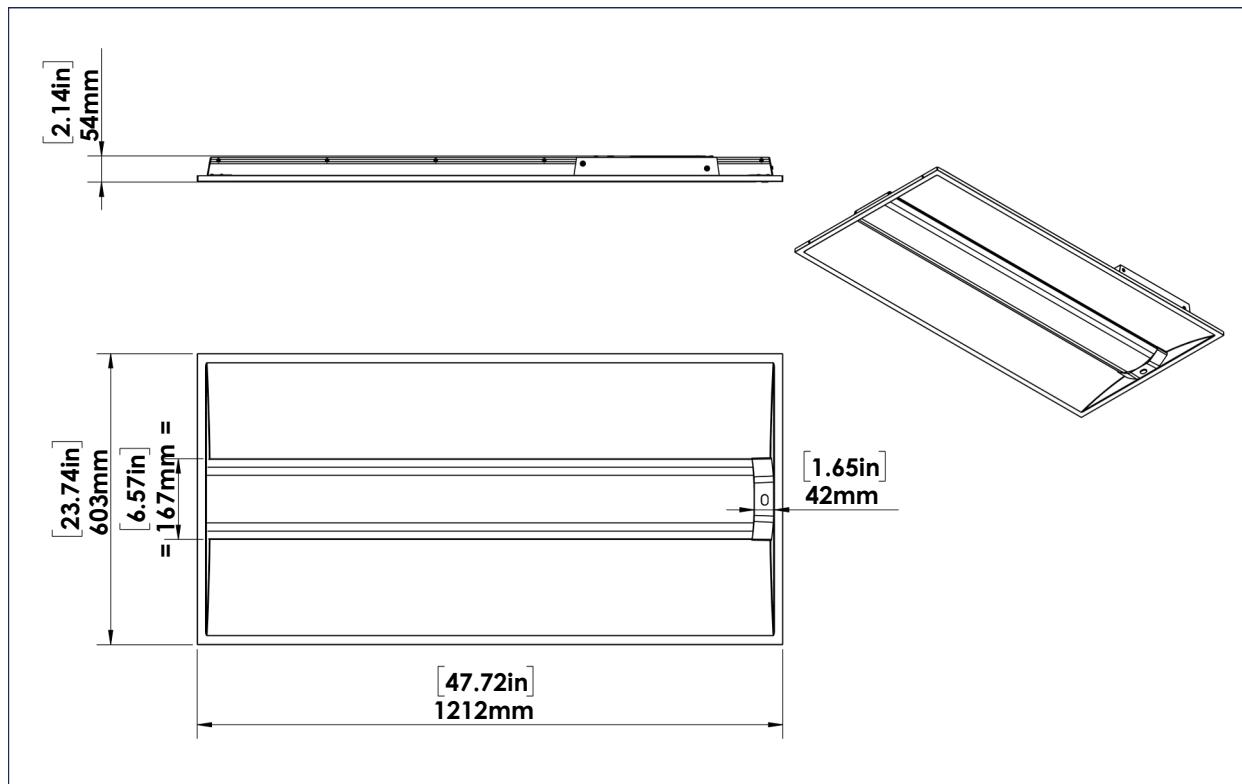
### CBTS22



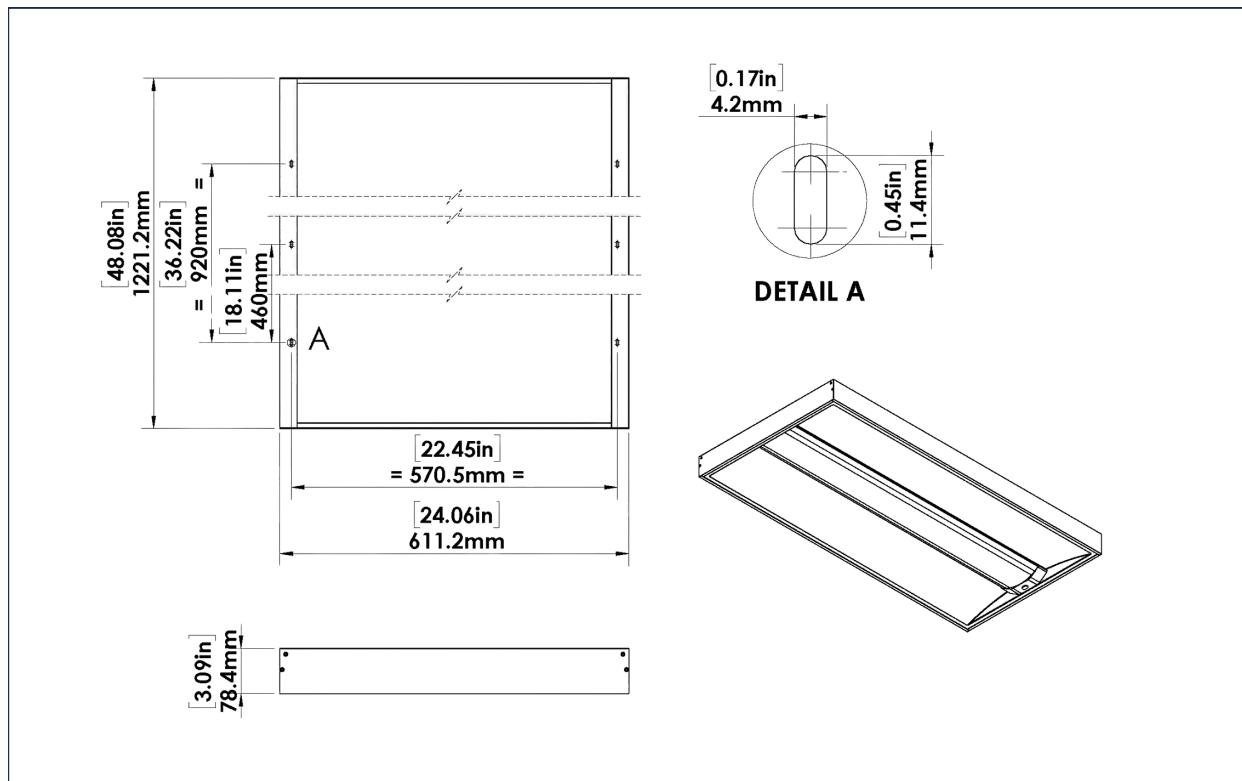
### CBTS22 SURFACE MOUNT KIT



## CBTS24



## CBTS24 SURFACE MOUNT KIT



## CONTROLLED

## PIR MOTION &amp; DAYLIGHT HARVEST SENSOR

## FEATURES

- Available in two options - Remote controlled standalone sensor & bluetooth sensor
- Easy wireless plug-and-play installation

## Remote Controlled Sensor

- Program the sensor easily and quickly using RC-500 remote control.

## Bluetooth Sensor

- Program the sensor using the CONTROLLED app.
- Bluetooth mesh network
- DLC - Networked Lighting Control (NLC) & Luminaire Level Lighting Control (LLLC)

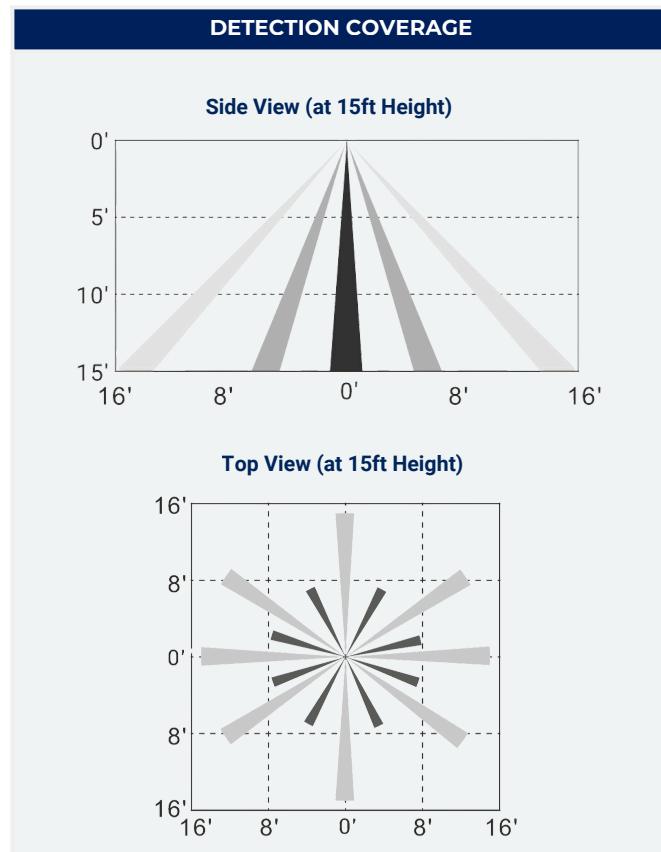


SPECIFICATION	
<b>Input Voltage</b>	12VDC
<b>Input Current</b>	25mA Max.
<b>Input Power</b>	0.3W
<b>Output Current</b>	10mA Max. Sinking Current
<b>Output Power</b>	0.1W
<b>Dimming</b>	Class 2, 0-10VDC
<b>Bluetooth Transmit<sup>2</sup></b>	100ft Max.
<b>Radio Frequency</b>	2.4GHz ±75MHz
<b>Bluetooth Version<sup>2</sup></b>	5.0
<b>Housing Material</b>	Polycarbonate (UL 94-5VA)
<b>Housing Finish</b>	White
<b>Detection Range</b>	40ft Max.
<b>Mounting Height</b>	18ft. Max.
<b>Indoor/Outdoor Use</b>	Indoor Use Only
<b>Operating Temperature<sup>1</sup></b>	-30°C to 55°C (-22°F to 131°F)
<b>Storage Temperature</b>	-30°C to 85°C (-22°F to 185°F)
<b>IP Rating</b>	IP20
<b>Installation</b>	Plug-and-play installation

<sup>1</sup>When installed in the fixture, the system's ambient operating temperature is limited by the component with the lowest allowable range.

<sup>2</sup>Applies only to the Bluetooth sensor

DEFAULT SETTINGS	
<b>Motion Sensor</b>	On
<b>Mode</b>	Occupancy
<b>Trim Level</b>	100%
<b>Sensitivity</b>	High
<b>Hold Time (T1)</b>	20 min
<b>Standby Dim</b>	50%
<b>Standby Time (T2)</b>	1 min
<b>Photocell</b>	Off
<b>Daylight Harvest</b>	Off
<b>Linkage</b>	Off
<b>Linkage Level</b>	100%



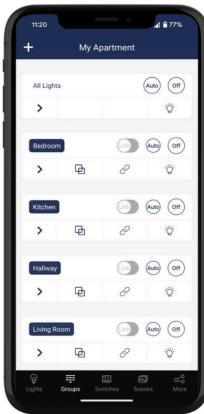
**Note:** Program the Bluetooth sensor with the desired settings using the CONTROLLED Mobile App (please refer to the CONTROLLED App manual for instructions).

Program the RC sensor with RC-500 Remote Control (please refer to the manual for instructions).



# CONTROLLED

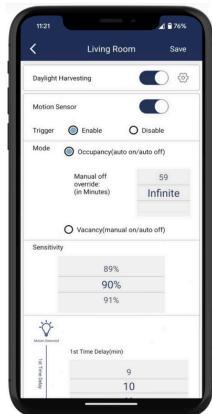
ControlLED Network Lighting Controls (NLC) delivers secure, wireless lighting management with Bluetooth Mesh and the ControlLED App. Integrated sensors enable automatic adjustments for comfort, safety, and efficiency.



**Organized Workspaces:**  
Create Zones, Groups and Group linkages.



**Dimming Lights:**  
Set dim level for groups or individual lights.



**Motion and Daylight Harvest Sensors:**  
Custom sensor settings for groups or individual lights.



**Scenes:**  
Create custom scenes for different scenarios.



**Schedules:**  
Create custom schedules for recurring events.



**Share Access:**  
Share access using QR codes.

**RAB**  
DESIGN

## Get the App!



**RAB**  
DESIGN

Engineered by skilled hands,  
for skilled hands.

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## PHOTOMETRIC PLOTS

