



CBT-LED  
Center Basket Troffer



2' x 2'

IDEAL APPLICATIONS

- ☒ Offices
- ☒ Schools
- ☒ Retail
- ☒ Foyers

DESCRIPTION:

The CBT-LED Series is a volumetric troffer that creates a bright and even light distribution for your application. Ideal for use in offices, schools, universities, and hospitality applications, this product is great for new construction and for fluorescent replacement projects.

FEATURES:

- Construction
- Metal housing with white powder coated paint finish and polycarbonate lens.
- Controls
- 0-10V dimming is standard. TRIAC dimming is an option.
  - Factory Installed Option: Lutron Athena Wireless Node allows zone and control changes digitally and wirelessly in a smart control system.
- Light Performance
- Colour Selectable - Allows installer to choose between 3500K/4000K/5000K CCT.
  - Lumen Adjustable - Allows installer to choose between 3 switch settings. (Standard 0-10V dimming configuration only.) CBT22 can be adjusted to 30W/25W/20W or 4050lm/3500lm/2800lm
  - TRIAC Dimming only available in 120V with dedicated wattage/lumen setting. CBT22 - 30W has 4050lm
  - Fixture has a high Colour Rendering Index of 86.
  - Designed with smooth frosted lens to deliver a low-glare, uniform and even light distribution
- Mounting
- Standard unit for T-BAR ceilings.
- Packaging
- 4 pack (4 fixtures per box): Driver box & lens assembly required.
  - Quick two step assembly on the field for 4 pack units.
  - 4 pack packaging reduces the amount of cardboard disposal at the job site.
  - Single pack: Fully assembled & ready to install.

SPECIFICATIONS		CBT22
Size		2'X2'
Wattage		29W Max 20W Min
Lumens		4050lm Max 2800lm Min
Efficacy*		139.56 lm/W
Colour Temp		Variable Kelvin - 3500K/4000K*/5000K
Voltage		120-347V (0-10V Dimming)* 120V (TRIAC Dimming)
CRI		86
Dimming		0-10V Dimming (Dim to Off)* TRIAC Dimming (5%-100%)
THD*		6.64%
Power Factor*		0.998
Surge Protection		3.75kV (for 0-10V Dimming) 2.5kV (for TRIAC Dimming)
LED Life (L77)		100,000 Hours
Housing Finish		White
Housing Details		Steel Sheet Metal
Lens Details		Frosted Polycarbonate
Operating Temp.		-10°C to +40°C (14°F to 104°F)

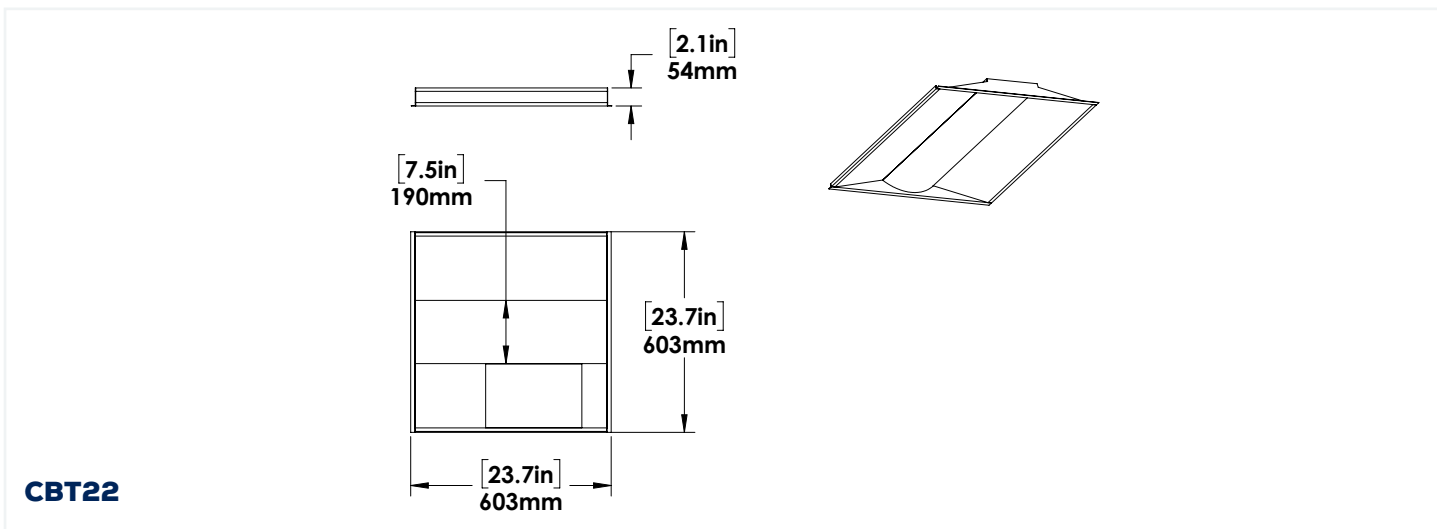
Note: Specs above are for standard configuration 0-10V Dimming at 4000K  
For spec detail on all SKUs, please refer pg.4.  
\*Standard Configuration



## STACKABLE DESIGN & QUICK ASSEMBLY (NEEDED ON 4 PACK UNITS ONLY)



## DIMENSIONS:



## COLOUR SELECTABLE SWITCH:



### AMPERAGE DRAW & SURGE PROTECTION

	CURRENT (A)				
	120V	208V	240V	277V	347V
CBT22-LED	0.26A	0.15A	0.13A	0.12A	0.09A

Note: Only 120V applicable to TRIAC Dimming

### LUMEN ADJUSTABLE SETTINGS (FOR 0-10V OPTION)

	CBT22-LED		
Power (W)	30W	25W	20W
Lumens (lm)	4050	3512	2827

### TM-21 ESTIMATED LUMEN MAINTENANCE

	50,000 Hours	75,000 Hours	100,000 Hours
CBT22-LED	87.5%	81.8%	76.5%

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

## SPECIFICATIONS:

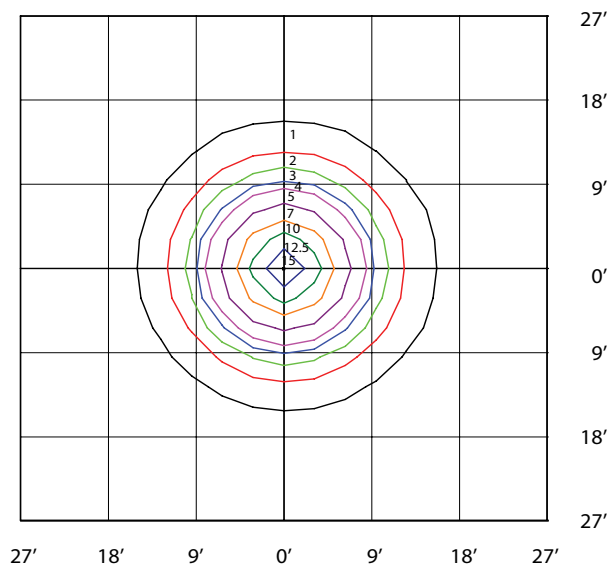
MODEL NUMBER	VOLTAGE (V)	POWER (W)	LIGHT OUTPUT (LM)	EFFICACY (LM/W)	THD (%)	PF	CCT (K)	CRI
CBT22-LED30-A-VK-TRIAC (3500K)	120	32.35	3947.0	122.01	12.94	0.992	3500	86
CBT22-LED30-A-VK-TRIAC (4000K)	120	31.19	4248.1	136.20	12.98	0.991	4000	86
CBT22-LED30-A-VK-TRIAC (5000K)	120	32.52	4208.1	129.40	12.85	0.992	5000	82
CBT22-LED30A20-H-VK-DIM (3500K)	120-347	30.17	3781.4	125.34	6.47	0.998	3500	86
CBT22-LED30A20-H-VK-DIM (4000K)	120-347	29.02	4050.0	139.56	6.64	0.998	4000	86
CBT22-LED30A20-H-VK-DIM (5000K)	120-347	30.11	3912.2	129.93	6.61	0.998	5000	83

## PHOTOMETRICS

CBT22-LED30A20-H-VK-DIM  
30WATTS 4000K

LUMENS 3764

MAX CALCULATED VALUE 17.33 Fc



## ORDERING GUIDE:

**VK**

Fixture	Wattage	Voltage	Colour Temp.	Dimming	Controls	Quantity/Carton
CBT22	LED30A20*	H - 120-347V	VK - Colour Selectable (3500K/4000K/5000K)	DIM - 0-10V Dimming	Blank - No Controls	Blank - 4 fixtures in a box
CBT22	LED30	A - 120V		TRIAC - TRIAC Dimming	AWN - Lutron Smart Control**	1 - 1 fixture in a box

**Note:** TRIAC Dimming only available in A Voltage (120V) and dedicated wattages (CBT22 - 30W/CBT24-50W)

\*Lumen adjustable setting applicable to 0-10V dimming configuration only.

\*\*Factory installed Lutron Athena Wireless Node with RF only (A-WN-D01-RF-WH). Gateway and controller not included.

STOCK CODE	DESCRIPTION	FIXTURES PER BOX
081399	CBT22-LED30A20-H-VK-DIM*	4
081401	CBT22-LED30A20-H-VK-DIM-1	1
081671	CBT22-LED30-A-VK-TRIAC*	4
081673	CBT22-LED30-A-VK-TRIAC-1	1

\*Quick assembly for the drivers and lens onto the fixture in the field for 4 pack SKUs.