# T-Flex

Energetic LED T-Flex Troffer Series • CCT & Wattage Selectable • 5 Year Limited Warranty

## Overview

T-Flex™ is available for color and Lumen selectable as well as fixed CCT models, Plug-n-Play Sensors, and Factory installed Vitality cyan boosting 5000K for Circadian lighting benefits upon requests.

T-Flex™ engineered to meet DLC Standard and DLC Premium 5.1 performance criteria.

Easy field installable accessories such as OCC motion and daylight harvesting with snap in and quick connect wiring, Bluetooth mesh controls (works with google assistant or Alexa) and No need for expensive controls by utilizing on-board 12V power supply. Emergency battery back-up options.

Job site friendly packaging made to be easy to unpack, maximized for spatial efficiency, less boxes less hassle, and a Quick field installable assets such as Driver, 12V PSU for control, Sensor, and Emergency Battery reducing time & labor costs.

Energetic Lighting embarked on a plan to re-engineer products and packaging to reduce its carbon footprint while maintaining uncompromised quality and performance. By configuring the FlexT™ in multi-packs and reducing its volume we can increase the number of units we can ship in one container. This reduces the number of containers shipped saving petroleum while decreasing carbon.

## Features

- Fixed and Selectable CCT Models 2x2 and 2x4
- Easily convert selectable CCT to Tunable with eZCMD controls
- Vitality Cyan Boosted 5000K technology (Circadian Lighting)
- Lighting Luminaire Level Controls
- Selectable Lumens up to 70000Lm
- Plug-n-Play Motion Sensor and EM for easy field installation
- Multi-Pack 2x2 (4) 2x4 (2)&(4)
- Reduced Profile same classic look
- Easy Job Site friendly packaging Eco-Friendly Packaging

## Applications

- Healthcare Facilities
- Offices and Retail spaces
- School & Universities

## Highlights
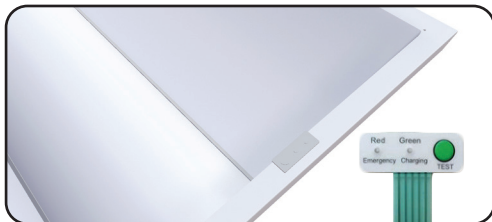
Emergency battery test button and indicator constructed of a flexible printed circuit board that utilized provided adhesive backing to add to the front trim of the fixture. Installs quickly and is plug n play.
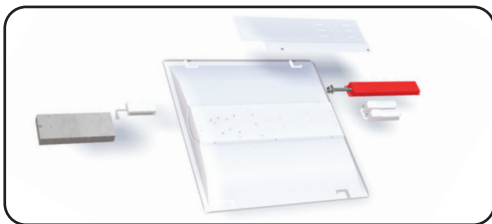
Selectable CCT fixtures can be easily turned into linearly tunable fixtures with the optional ezCMD controls (Q4 Launch). Emergency battery and motion sensor options are available.

Energetic Lighting embarked on a plan to re-engineer products and packaging to reduce its carbon footprint. An Eco-friendly packaging.

## Load Information

| Input Voltage | 120-277V | 120-347V | |
|---|---|---|
| Power Factor | >0.9 | |
| THD | <23% | |
| Low Temp Start | -20°C (-4°F) | |
| Max Temp | 40°C (104°F) | |
| Unit Weight | 2x2 | 12.8 lbs |
| | 2x4 | 25.5 lbs |

## Shipping Information

| Item | Weight | Box Qty. |
|---|---|---|
| 2x2 | 55 lbs | 4 per case |
| 2x4 | 55 lbs | 2 per case |

Are available in single cartons for stock distribution and online sales.
*repack price may be higher

## Lumen Maintenance

| Housing Type | Ambient Temperature | TM-21 Lumen Maintenance (50,000 hours) | Theoretical L70 (hours) |
|---|---|---|---|
| 2x2 | 30°C | >76% | 50,000 |
| 2x4 | 30°C | >76% | 50,000 |

## Dimensions

**2x2 Models**

23.75" | 23.75" | 2" | 3.5"

**2x4 Models**

47.75" | 23.75" | 2" | 3.5"

Specification are subject to change without notice.
All values are nominal or typical values, measured under laboratory conditions @ 25° C.
Actual performance may vary slightly as a result of end-user environment/application.
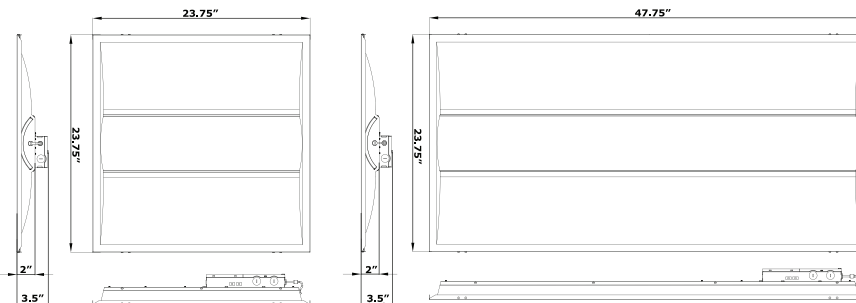
# Model Ordering Number

| Series Prefix | Sizing | Voltage | DLC CLass | Lumens | CRI | CCT | | Dimming | Power |
|---|---|---|---|---|---|---|---|---|---|
| **STA** | **2** | **N** | **P** | **26E** | **8** | **3550** | **–** | **D** | **S** |

| Series Prefix | Sizing | Voltage | DLC CLass | Lumens | CRI | CCT | Dimming | Power |
|---|---|---|---|---|---|---|---|---|
| **STA** Energetic LED T-Flex Troffer Series | **2** 2x2 <br> **4** 2x4 | **N** 120-277V <br> **M** 120-347V | **P** Premium <br> **S** Standard | **32E** 3200LM <br> **38E** 3800LM <br> **44E** 4400LM <br> **45E** 4500LM <br> **57E** 5700LM <br> **65E** 6500LM <br> (E does not represent anything at this time) | **8** 80 CRI | **3550** 3500K, 4000K, 5000K; <br> **40** 4000K | **D** 0-10V Dimmable | **S** Selectable Lumens <br> **F** Fixed Lumens <br> **M** Motion Sensor |

Ordering Examples:

| | |
|---|---|
| 1. For STA4MP57E83550 36, 40, 45W ezWATT Selectable ezCCT 3500K,4000K,5000K 100-277V + 0-10V dimmable | Model#: STA4MP57E83550-DS |

## STOCK ORDER INFORMATION

### 2x2 ezCCT & ezWATT Selectable 120-277V, or 120-347V

**2x2 Housing**

| Model Number | Order # | Lumens | Wattage | LPW | CCT | CRI | Voltage | Dimming | DLC | Pallet QTY |
|---|---|---|---|---|---|---|---|---|---|---|
| STA2MP32E83550-DF(M) | 60101 | 3200 LM | 25W | 125 | 3500K,4000K, 5000K Selectable | 80+ | 120-347V | 0-10V | DLC 5.1 P | 48 |
| STA2MS45E83550-DF(M) | 60102 | 4500 LM | 36W | 125 | 3500K,4000K, 5000K Selectable | 80+ | 120-347V | 0-10V | DLC 5.1 S | 48 |
| STA2MP38E83550-DS(M) | 60100 | 3800 LM | 21/25/30W | 125 | 3500K,4000K, 5000K Selectable | 80+ | 120-347V | 0-10V | DLC 5.1 S | 48 |

### 2x4 Fixed Single Color Temp 120-277V, or 120-347V

**2x4 Housing**

| Model Number | Order # | Lumens | Wattage | LPW | CCT | CRI | Voltage | Dimming | DLC | Pallet QTY |
|---|---|---|---|---|---|---|---|---|---|---|
| STA4MP32E840-DF(M) | 60113 | 3200 LM | 25W | 125 | 4000K | 80+ | 120-347V | 0-10V | DLC 5.1 P | TBA |
| STA4NP45E840-DF(M) | 60111 | 4500 LM | 36W | 125 | 4000K | 80+ | 120-277V | 0-10V | DLC 5.1 P | TBA |
| STA4MP38E840-DS(M) | 60112 | 3800 LM | 21/25/30W | 125 | 4000K | 80+ | 120-347V | 0-10V | DLC 5.1 P | TBA |
| STA4MP57E840-DS(M) | 60110 | 5700 LM | 36/40/45W | 125 | 4000K | 80+ | 120-347V | 0-10V | DLC 5.1 P | TBA |
| STA4MP70E840-DF(M) | 60114 | 7000LM | 56W | 125 | 4000K | 80+ | 120-347V | 0-10V | DLC 5.1 P | TBA |

### 2x4 ezCCT & ezWATT Selectable 120-277V, or 120-347V

**2x4 Housing**

| Model Number | Order # | Lumens | Wattage | LPW | CCT | CRI | Voltage | Dimming | DLC | Pallet QTY |
|---|---|---|---|---|---|---|---|---|---|---|
| STA4MP32E83550-[D,T]F[M] | 60109 | 3200 LM | 25W | 125 | 3500K,4000K, 5000K Selectable | 80+ | 120-347V | 0-10V | DLC 5.1 P | TBA |
| STA4NP45E83550-[D,T]F[M] | 60107 | 4500 LM | 36W | 125 | 3500K,4000K, 5000K Selectable | 80+ | 120-277V | 0-10V | DLC 5.1 P | TBA |
| STA4MP38E83550-DS[M][T] | 60108 | 3800 LM | 21/25/30W | 125 | 3500K,4000K, 5000K Selectable | 80+ | 120-347V | 0-10V | DLC 5.1 P | TBA |
| STA4NP57E83550-DS[M][T] | 60106 | 5700 LM | 36/40/45W | 125 | 3500K,4000K, 5000K Selectable | 80+ | 120-277V | 0-10V | DLC 5.1 P | TBA |

### Optional Accessories

**Accessories**

| Model Number | Order # | Description |
|---|---|---|
| EL-ID8WEM | - | Field installable plug-n-play |
| - | - | 12V Power Supply for external controls by others |

**NOTES:**