# TRLED2X2-50Y/D10/E



LED performance in an economical 2x2 troffer. Includes emergency battery backup that will operate the LED lamp for 90 minutes if power fails.

Color: White

# **Technical Specifications**

#### Listings

#### UL Listing:

Suitable for damp locations

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

#### Electrical

#### Driver:

Constant Current, Class 2, 4-channel driver with 0-10V dimming, 450mA, 120-277VAC 0.55A, Power Factor >92%

#### **Dimming Driver:**

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 5%.

#### THD:

10.4% at 120V, 14.4% at 277V

## Construction

#### Lens:

Nominal .125" thick prismatic acrylic lens with diffusion for enhanced optical performance

#### IC Rating:

Suitable for insulated ceilings

#### Housing:

Weight: 9.5 lbs

Die-formed 22 gauge, cold-rolled steel

#### Installation:

Standard integral earthquake and NEC T-bar clips secure the fixture to T-bars and prevent T-system separation. For recessed mounting kit see

## Finish:

High-reflectance (91%) powder coat applied post production for a more durable finish

#### Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### LED Characteristics

## LEDs:

Long-life, high-efficiency, micro-power, surface mount LEDs; binned and mixed for uniform light output and color.

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

## **Color Stability:**

LED Color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

# Project: Type: Prepared By: Date: Driver Info LED Info Type: Constant Current Watts: 50W 120/r 0.420 Color Tomp: 3000/r

| 120V:        | 0.42A | Color Temp:     | 3000K  |
|--------------|-------|-----------------|--------|
| 208V:        | 0.25A | Color Accuracy: | 82 CRI |
| 240V:        | 0.22A | L70 Lifespan:   | 100000 |
| 277V:        | 0.19A | Lumens:         | 3,899  |
| Input Watts: | 50W   | Efficacy:       | 78 LPW |
| Efficiency:  | N/A   |                 |        |
|              |       |                 |        |

#### Other

#### TRLED2X2-50 with Battery Backup:

Battery backup will operate the LED lamp for 90 minutes if power fails. Wired for 120-277V.

#### California Title 24:

TRLED2X2-50Y/D10 complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for general spaces when used with a vacancy sensor and 0-10V dimming control. Select a vacancy sensor using catalog number LVS800. 0-10V dimmer provided by others.

#### **Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### **Recovery Act (ARRA) Compliant:**

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### **Trade Agreements Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

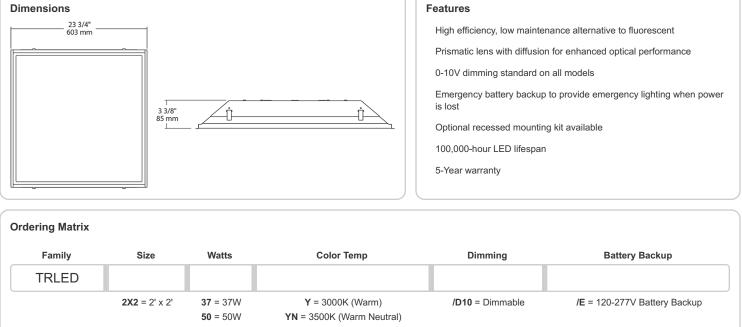
#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.



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# N = 4000K (Neutral)