

Cost-effective LED 2x2 troffer upgrade that's easily installed. Includes battery back up that will operate the LED lamp for 90 minutes if power fails.

Color: White

Weight: 13.4 lbs

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current	Watts	29W
120V	0.24A	Color Temp	3000K (Warm)
208V	0.15A	Color Accuracy	84 CRI
240V	0.13A	L70 Lifespan	100,000 Hours
277V	0.11A	Lumens	3,604 lm
Input Watts	29W	Efficacy	124.3 lm/W

## Technical Specifications

### Compliance

#### UL Listed:

Suitable for damp locations

### Electrical

#### Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.24A, 0.15A, 0.13A, 0.11A

#### THD:

14.3% at 120V, 12.4% at 277V

#### Power Factor:

98.8% at 120V, 92% at 277V

### Battery Backup:

Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120.

### Surge Protection:

4kV

### Construction

#### Housing:

Steel sheet metal

### Ambient Temperature:

Suitable for use in up to 40°C (104°F)

### Reflector:

High-reflectance, powder-coated finish, optimized for uniform light distribution

### Mounting:

Recessed ceiling

### Lens:

Polycarbonate lens

### Finish:

Formulated for high durability and long-lasting color

### Green Technology:

Mercury and UV free. RoHS-compliant components.

### Other

#### Note:

All values are typical (tolerance +/- 10%)

### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

### Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

### LED Characteristics

#### LEDs:

Long-life, high-efficacy, surface-mount LEDs

### Color Stability:

LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

### Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Performance

#### Lifespan:

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

### Wattage Equivalency:

Equivalent to (3) F17T8 or (3) F14T5

## Technical Specifications (continued)

### Sensor Specifications

**Capacitance Load:**

400VA at 120VAC, 800VA at 230VAC, 1000VA at 277VAC

**Operating Temperature:**

-20°C to +60°C (-4°F to +140°F)

**Relay:**

Zero-cross relay

**Maximum Mounting Height:**

16.4 feet

**Customizable Detection Area:**

10, 50, 75 or 100%

**Time Delay:**

5s, 30s, 1min, 5min, 10min, 20min, 30min

**Cut Off Period:**

0s, 10s, 1min, 5min, 10min, 30min, 1hr, Bi-Level

**Cut-Off Dimming level:**

10, 20, 30, 50%

**Cut-Off Power:**

Less than 1W

**Daylight Threshold:**

About .2-5 fc for disabled

**Sensor Principle:**

High Frequency

**Microwave Frequency:**

5.8GHz +/- 75MHz

**Microwave Power:**

<0.2mW

**Max Detection Range:**

26 ft diameter at 16 ft mounting height

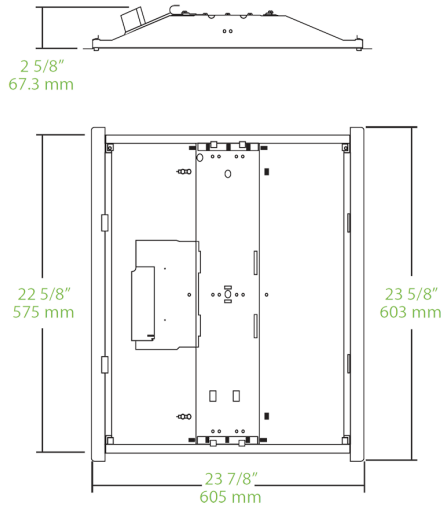
**Detection Angle:**

About 30 to 150 degrees

**Remote Control Accessory:**

Adjust settings using remote control (catalog# MVSREM). Only available with 0-10V dimming driver options. [Remote control available here.](#)

## Dimensions



## Features

- Troffer Retrofit can be installed in under 3 minutes by 1 person
- Frosted polycarbonate lens provides a uniform distribution and reduces glare
- 0-10V dimming, standard
- 5-Year, No-Compromise Warranty

## Ordering Matrix

Family	Size	Wattage	Color Temp	Finish	CRI	Dimming Driver	Options
RTLED	2X2	-	29	Y	W	/D10	/MVS/E2
	1X4 = 1'x4' 2X2 = 2'x2' 2X4 = 2'x4'	19 = 19W (2x2, 1x4) 29 = 29W (2x2, 1x4) 39 = 39W (2x4) 49 = 49W (2x4)	Blank = 5000K Cool N = 4000K Neutral YN = 3500K Warm Neutral Y = 3000K Warm	W = White	Blank = 80 CRI /HC = 90 CRI (4000K only) <sup>1</sup>	/D10 = 0-10V Dimming	Blank = No Options /LC = Lightcloud® Controller /E2 = Battery Backup /MVS = Microwave Occupancy Sensor /MVS/E2 = Microwave Occupancy Sensor w/ Battery Backup

<sup>1</sup> 4000K only