

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

Driver Info		LED Info	
Type:	Constant Current	Watts:	39W
120V:	0.33A	Color Temp:	3500K
208V:	0.20A	Color Accuracy:	84 CRI
240V:	0.17A	L70 Lifespan:	60000
277V:	0.15A	Lumens:	4970
Input Watts:	40W	Efficacy:	126 LPW
Efficiency:	98%		

Cost-effective LED 2x4 troffer upgrade that's easily installed. Includes battery back up that will operate the LED lamp for 90 minutes if power fails.

**Technical Specifications**

**Listings**

**UL Listed:**

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

**DLC Listed:**

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.  
DLC Product Code: PBVXX18H

**Electrical**

**Driver:**

Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.33A, 0.20A, 0.17A, 0.15A

**Dimming Driver:**

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

**Battery Backup:**

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

**THD:**

7.9% at 120V, 9.5% at 277V

**Power Factor:**

99.4% at 120V, 93.5% at 277V

**Surge Protection:**

4kV

**Construction**

**Housing:**

Steel sheet metal

**Ambient Temperature:**

Suitable for 40°C (104°F) ambient temperatures

**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. Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals.

**LED Characteristics**

**Note:**

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

**LEDs:**

Long-life, high-efficacy surface mount LEDs

**Lifespan:**

60,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

**Color Stability:**

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

**Color Uniformity:**

RAB's range of CCT (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.

**Sensor Specifications**

**Capacitance Load:**

400W at 120V, 800W at 230V, 1000W at 277V

**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%

## Technical Specifications (continued)

### Sensor Specifications

#### 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

#### Detection Range Max:

52.5 feet across, 32.8 feet high

#### Detection Angle:

About 30 to 150 degrees

#### Remote Control:

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

#### Other

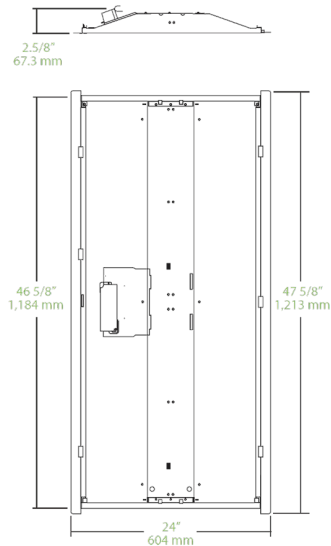
#### Warranty:

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.

#### 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.

## 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	Bulk Qty
RTLED	2X4	39	YN	W		/D10	/MVS/E2	
	1X4 = 1'x4'	19 = 19W (2x2, 1x4)	Blank = 5000K (Cool)	W = White	Blank = 80 CRI /HC = 90 CRI (4000K only)	/D10 = 0-10V Dimming	Blank = No Options /LC = Lightcloud® Controller /E2 = Battery Backup /MVS = Microwave Sensor /MVS/E2 = Microwave Sensor and Battery Backup	Blank = Individual BULK = Comes in qty 6 (not available with options)
	2X2 = 2'x2'	29 = 29W (2x2, 1x4)	N = 4000K (Neutral)					
	2X4 = 2'x4'	39 = 39W (2x4)	YN = 3500K (Warm Neutral)					
		49 = 49W (2x4)	Y = 3000K (Warm)					