

| | |
|---------------------|--------------|
| Project: | Type: |
| Prepared By: | Date: |

| Driver Info | | LED Info | |
|--------------|------------------|-----------------|---------|
| Type: | Constant Current | Watts: | 19W |
| 120V: | 0.16A | Color Temp: | 4000K |
| 208V: | 0.10A | Color Accuracy: | 84 CRI |
| 240V: | 0.09A | L70 Lifespan: | 60000 |
| 277V: | 0.08A | Lumens: | 2507 |
| Input Watts: | 19W | Efficacy: | 131 LPW |
| Efficiency: | 99% | | |

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: PLOEF88L

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.16A, 0.10A, 0.09A, 0.08A

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:

11.5% at 120V, 13.6% at 277V

Power Factor:

98.7% at 120V, 89.3% 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

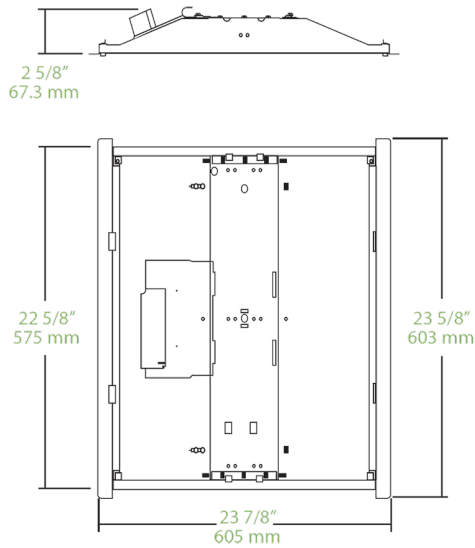
Warranty:

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 | 2X2 | 19 | N | 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) | | | | | |