# RTLED2X2-29YNW/D10/MVS

**RAB**

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

Cost-effective LED 2x2 troffer upgrade that's easily installed.

Color: White          Weight: 13.4 lbs

### Driver Info

| | |
|---|---|
| Type | Constant Current |
| 120V | 0.24A |
| 208V | 0.15A |
| 240V | 0.13A |
| 277V | 0.11A |
| Input Watts | 29.4W |

### LED Info

| | |
|---|---|
| Watts | 29W |
| Color Temp | 3500K (Warm Neutral) |
| Color Accuracy | 84 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 3,653 lm |
| 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:**
17.8% at 120V, 12.3% at 277V

**Power Factor:**
98.3% at 120V, 93% at 277V

**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.

**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 warrantied 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

### 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)

## Technical Specifications (continued)

**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.

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

Copyright © 2023 RAB Lighting All Rights Reserved   Note: Specifications are subject to change at any time without notice

Page 2 of 3

# RTLED2X2-29YNW/D10/MVS

**RAB**

## Dimensions

2 5/8"
67.3 mm

22 5/8"
575 mm

23 5/8"
603 mm

23 7/8"
605 mm
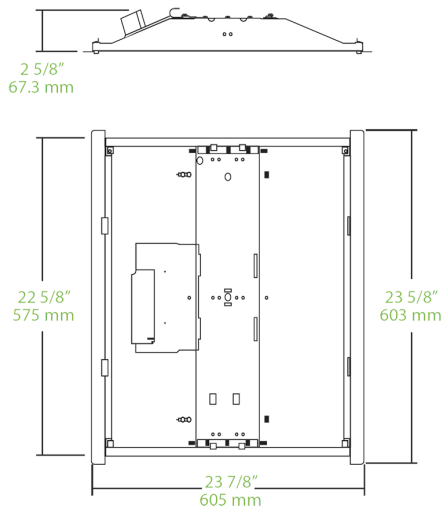
## Features

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 | YN | W | | /D10 | /MVS |

| | | | | | | | | |
|--------|------|---|---------|-----------|--------|-----|----------------|---------|
| | **1X4 =** 1'x4' | | **19 =** 19W (2x2, 1x4) | **Y =** 3000K Warm | **W =** White | **Blank =** 80 CRI | **/D10 =** 0-10V Dimming | **Blank =** No Options |
| | **2X2 =** 2'x2' | | **29 =** 29W (2x2, 1x4) | **Blank =** 5000K Cool | | **/HC =** 90 CRI | | **/LC =** Lightcloud® Controller |
| | **2X4 =** 2'x4' | | **39 =** 39W (2x4) | **N =** 4000K Neutral | | (4000K only) [1] | | **/E2 =** Battery Backup |
| | | | **49 =** 49W (2x4) | **YN =** 3500K Warm Neutral | | | | **/MVS =** Microwave Occupancy Sensor |
| | | | | | | | | **/MVS/E2 =** Microwave Occupancy Sensor w/ Battery Backup |

[1] *4000K only*

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

Copyright © 2023 RAB Lighting All Rights Reserved    Note: Specifications are subject to change at any time without notice

Page 3 of 3