RTLED1X4-29YNW/D10/MVS

RAB®

Project:	Type:
Prepared By:	Date:

Cost-effective LED 1x4 troffer upgrade that's easily installed.

Color: White | Weight: 12.3 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	3,846 lm
Efficacy	130.8 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:
10.9% at 120V, 11.9% at 277V

Power Factor:
99.3% at 120V, 92.5% 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 (1) F17T8 or (1) 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)

RAB

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:
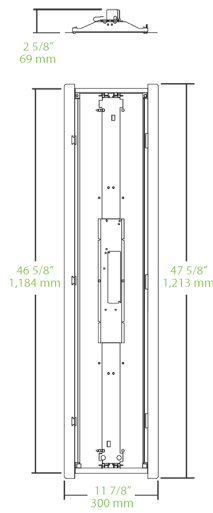26 ft diameter at 16 ft mounting height

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.

RTLED1X4-29YNW/D10/MVS

RAB

Dimensions

2 5/8"
69 mm

46 5/8"
1,184 mm

47 5/8"
1,213 mm

11 7/8"
300 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	1X4	–	29	YN	W		/D10	/MVS
	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) [1]	**/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

[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