RTLED2X4-49NW/D10/E2

RAB®

Project:		Type:
Prepared By:		Date:

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.

Color: White   Weight: 22.6 lbs

Driver Info

Type	Constant Current
120V	0.41A
208V	0.24A
240V	0.21A
277V	0.18A
Input Watts	48.8W

LED Info

Watts	49W
Color Temp	4000K (Neutral)
Color Accuracy	84 CRI
L70 Lifespan	100,000 Hours
Lumens	6,698 lm
Efficacy	137.3 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for damp locations

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.41A, 0.24A, 0.21A, 0.18A

THD:
8.2% at 120V, 8.9% at 277V

Power Factor:
99.5% at 120V, 95.4% 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%)

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.
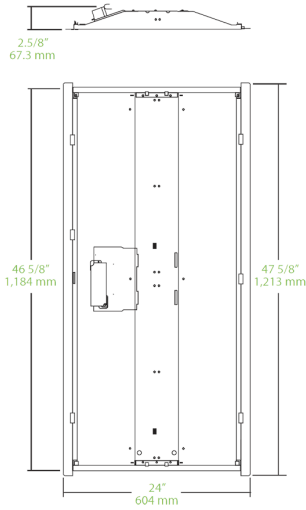
Performance

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

Wattage Equivalency:
Equivalent to (3) F32T8 or (3) F28T5

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Dimensions

2.5/8"
67.3 mm

46 5/8"
1,184 mm

47 5/8"
1,213 mm

24"
604 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	2X4	–	49	N	W		/D10	/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) [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*