RTLED2X4-49W/D10/LC

RAB

Cost-effective LED 2x4 troffer upgrade that's easily installed. Includes built-in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB.

Color: White   Weight: 22.6 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.41A
208V	0.24A
240V	0.21A
277V	0.18A
Input Watts	49.6W

LED Info

Watts	49W
Color Temp	5000K (Cool)
Color Accuracy	85 CRI
L70 Lifespan	100,000 Hours
Lumens	6,779 lm
Efficacy	136.7 lm/W

Technical Specifications

Lightcloud

Lightcloud Controller Installed:
Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel. Learn more about Lightcloud.

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

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.

Technical Specifications (continued)
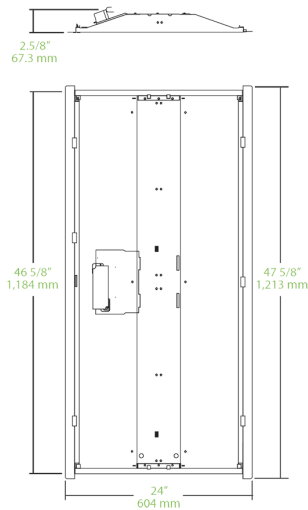
Performance

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

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 Fixture Warranty and 10-Year, No-Compromise Lightcloud Warranty

Ordering Matrix

Family	Size		Wattage	Color Temp	Finish	CRI	Dimming Driver	Options
RTLED	2X4	–	49		W		/D10	/LC

	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**

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Page 2 of 2