

T3R 2x4

2x4 LED Retrofit Troffer Kit

Project

Catalog

Type

Product Description

The T3R is a center lens LED lighting retrofit kit designed to fit easily in most existing fluorescent troffer and parabolic fixture housings. The contemporary center lens design delivers a soft natural glow with even illumination and minimized glare making it an attractive general-purpose ambient lighting solution. This LED lighting retrofit kit allows you to upgrade your space without breaking the ceiling plane giving you an energy efficient light source with reduced labor and installation costs. The T3R Series will enhance the appearance of the modern office or other commercial spaces such as schools, hospitals, retail, convenience stores, restaurants and hospitality applications.

Construction

- Durable steel construction with powder coat finish
- Smooth formed sides for safe handling
- Retrofits prismatic & parabolic troffers with fixture depth greater than 3.5"
- Conversion kit includes pre-wired LED door frame assembly and mounting brackets
- Hinged for easy access to driver and electrical components

Optical System

- Precision engineered lens diffuser
- No visible diodes, hot-spots, or shadows providing high uniformity, and reduced glare
- Acrylic lens features linear prisms sculpted into the surface for a distinct ribbed texture

Electrical

- NEC/CEC compliant power disconnect is standard
- Color Rendering Index (CRI) 85
- Color tolerance tighter than the 5-step MacAdam ellipse for consistent color performance
- Available in 3500K, 4000K & 5000K
- Long-life LED system coupled with electrical driver to deliver optimal performance with 100+ lumens per watt
- Driver delivers full-range dimming from 0 - 10VDC
- Operating temperature rating of 0°F to 100°F (-18°C to 38°C)
- Input voltage of 120-277VAC

Mounting and installation

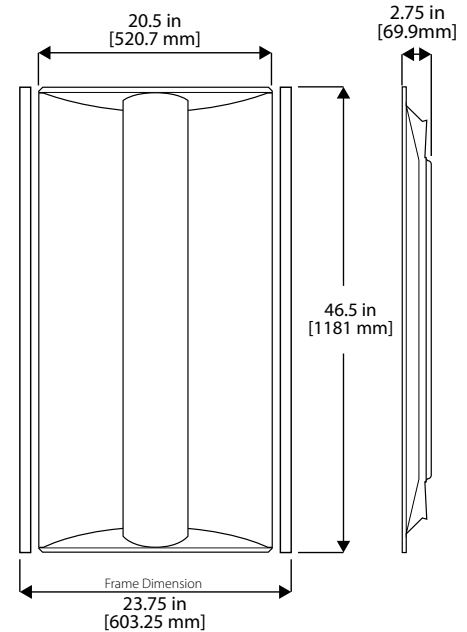
- Features an integral driver for easy installation
- Retrofits most fluorescent 2'x4' fixtures
- Seismic wire provided for safe installation and operation
- Suitable for use in IC rated troffer

Finish

- White powder coat finish

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.) For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel
- TM-21 Reported life >60,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards



PRODUCT INFORMATION

LED Lifetime TM-21 Calculated L70(10k) (Hrs):	259,000
Input Voltage (V):	120-277V
Fixture Dimensions (w/ driver mounted) (LxWxH)	23.75 in x 46.5 in x 2.75 in



Ordering Information

Example: T3R-24-S-MV-40

Series	Size	Style	Voltage	CCT's
T3R	24 (2' x 4')	S	MV (120-277V)	35 (3500 K)*
				40 (4000 K)
				50 (5000 K)*

Specifications and dimensions subject to change without notice.

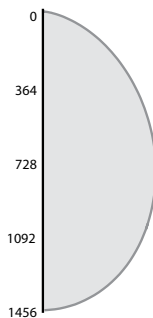
***only available as special order. Contact NICOR for more info.**

Photometric Data - Type C Goniophotometer

3500K T3R 2x4



Luminaire	3500K
Input Voltage (VAC)	120-277
System Level Power (W)	45
Delivered Lumens (Lm)	4579
System Efficacy (Lm/W)	102
Correlated Color Temp (K)	3612
Color Rendering Index (CRI)	85



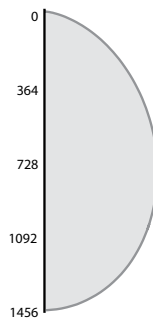
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1116	24%
0-40	1845	40%
0-60	3347	73%
0-90	4579	100%
90-180	0	0%
0-180	4579	100%

4000K T3R 2x4



Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	45
Delivered Lumens (Lm)	4672
System Efficacy (Lm/W)	103
Correlated Color Temp (K)	4142
Color Rendering Index (CRI)	85



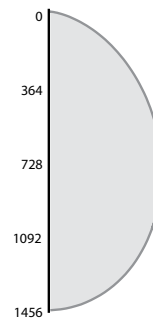
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1139	24%
0-40	1883	40%
0-60	3415	73%
0-90	4672	100%
90-180	0	0%
0-180	4672	100%

5000K T3R 2x4



Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	45
Delivered Lumens (Lm)	4765
System Efficacy (Lm/W)	106
Correlated Color Temp (K)	5047
Color Rendering Index (CRI)	85



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1162	24%
0-40	1921	40%
0-60	3483	73%
0-90	4765	100%
90-180	0	0%
0-180	4765	100%