

T4C

1x4 LED Troffer

Project _____

Catalog _____

Type _____

Date _____

Product Description

The contractor friendly T4C LED Troffers feature a pre-mounted driver, making installation easier than ever before. A maintenance-free, fully sealed chamber keeps out bugs and dust. The precision-engineered textured diffuser allows for optimal uniformity, without revealing hot spots or shadowing, while maintaining overall lumen output. Available in 1'x4', 2'x2', and 2'x4' dimensions, the T4C LED Troffers fit easily into standard ceiling grids, making them ideal for installation in both new construction and retrofit projects alike.

Construction

- Durable steel construction with powder coat finish
- High efficiency, fully sealed, maintenance-free LED chamber
- Smooth formed sides for safe handling
- Suitable for use in clean room applications.*

Optical System

- Precision engineered textured polystyrene diffuser; high reflectivity paint
- No visible diodes, hot-spots, or shadows providing high uniformity, and reduced glare

Electrical

- Long-life LED system coupled with electrical driver to deliver optimal performance with 109+ lumens per watt depending on fixture size and CCT
- Driver delivers full-range dimming from 0 - 10VDC; Output source current of 1mA
- Inrush current of 30 amps
- 4kV surge protection standard
- Meets FCC 15 PartB: 2016 Class A requirements
- Operating temperature rating of 0°F to 100°F (-18°C to 38°C)
- Input voltage of 120-277VAC

Mounting and installation

- Features a pre-mounted driver for contractor friendly installation
- Jbox has increased volume for wiring with two access plates for low voltage and line voltage wiring
- Can be installed in conventional suspended grid ceiling or drywall with an optional adaptor
- Mounting holes provided for seismic wire
- Certified for direct contact with insulation

Finish

- Integrated trim in white with powder coat finish

Options

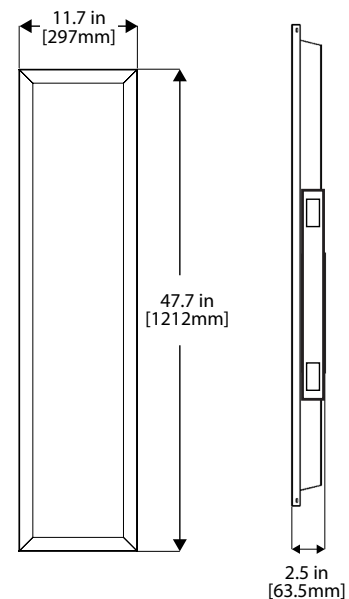
- Drywall adaptor/flange kit (FK14) available for 1x4, 2x2, and, 2x4 fixtures
- Surface Mount Kit (SK14) converts T4C Series troffers into surface mount luminaires
- Emergency Battery Backup Kit available for all sizes

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 Calculated L70(6k) life >36,000 hours
- TM-21 Projected L70 (6k) life >136,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

PRODUCT INFORMATION

LED Lifetime Calculated:	>36,000 Hours
LED Lifetime Projected:	>136,000 Hours
Input Voltage:	120-277V
Fixture Dimensions (w/ driver mounted) (LxWxH)	11.7 in x 47.7 in x 2.5 in



Ordering Information

Example: T4C-14-MV-40-EM

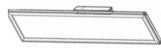
Series	Size	Voltage	CCT's	EM (Optional)
T4C	14 (1' x 4')	MV (120-277V)	35 (3500 K)	EM (Emergency Battery)
			40 (4000 K)	
			50 (5000 K)	

All reports based on current industry standards; field performance may differ from laboratory performance. Specifications and dimensions subject to change without notice.

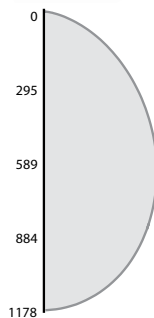
*No accepted standard exists for specific cleanroom classifications. It is the responsibility of the lighting engineer/designer to carefully evaluate the fixture against the installation requirements.

Photometric Data - Type C Goniophotometer

3500K T4C 1X4



Luminaire	3500K
Input Voltage (VAC)	120-277
System Level Power (W)	28.93
Delivered Lumens (Lm)	3154
System Efficacy (Lm/W)	109.0
Correlated Color Temp (K)	3422
Color Rendering Index (CRI)	85



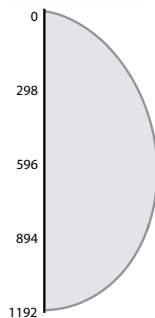
Zonal Lumen Summary**

Zone	Lumens	% of Luminaire
0-30	889	28%
0-40	1441	46%
0-60	2714	79%
0-90	3154	100%
90-180	0	0%
0-180	3154	100%

4000K T4C 1X4



Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	28.93
Delivered Lumens (Lm)	3190
System Efficacy (Lm/W)	110.3
Correlated Color Temp (K)	4025
Color Rendering Index (CRI)	85



Zonal Lumen Summary**

Zone	Lumens	% of Luminaire
0-30	900	28%
0-40	1458	46%
0-60	3192	79%
0-90	3190	100%
90-180	0	0%
0-180	3190	100%

5000K T4C 1X4



Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	28.93
Delivered Lumens (Lm)	3288
System Efficacy (Lm/W)	113.7
Correlated Color Temp (K)	4890
Color Rendering Index (CRI)	85



Zonal Lumen Summary**

Zone	Lumens	% of Luminaire
0-30	927	28%
0-40	1503	46%
0-60	2607	79%
0-90	3288	100%
90-180	0	0%
0-180	3288	100%