

T4C

2x4 LED Troffer

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

- Qualifies for DLC Premium
- Long-life LED system coupled with electrical driver to deliver optimal performance with 117+ 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: 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 (FK24) available for 1x4, 2x2, and, 2x4 fixtures
- Surface Mount Kit (SK24) converts T4C Series troffers into surface mount luminaires
- Emergency Battery Backup Kit available for all sizes

Warranty

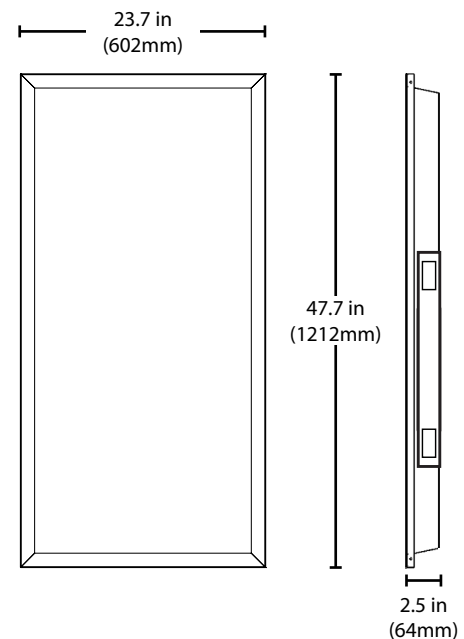
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.) For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel
- TM-21 Calculated 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

Project

Catalog

Type

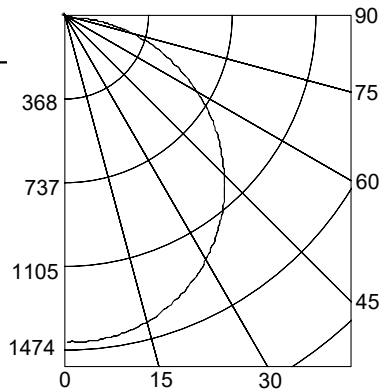
Date



Photometric Data

4000K T4C 2x4

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	39.73
Delivered Lumens (Lm)	4600
System Efficacy (Lm/W)	117.1
Correlated Color Temp (K)	4025
Color Rendering Index (CRI)	85
Beam Angle	110°
Spacing Criteria (0°)	1.26
Spacing Criteria (90°)	1.26



Intensity Summary (Candle Power)

Angle	Mean CP
0	1403
5	1397
15	1344
25	1244
35	1101
45	922
55	719
65	497
75	273
85	74
90	0

CCT Data Multiplier

T4C-24-MV-35	0.999
T4C-24-MV-50	1.004

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	91.9	4.97
6	40.8	7.47
8	23.0	9.93
10	14.7	12.50
12	10.2	15.00
14	7.5	17.50
16	5.7	20.25

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1251	27%
0-40	2045	44%
0-60	3604	78%
0-90	4600	100%
90-180	0	0%
0-180	4600	100%

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

Performance Data

Model Number	Lumens	Watts	Lumens/Watt
T4C-24-MV-35	4597	39.7	115.7
T4C-24-MV-40	4600	39.7	115.8
T4C-24-MV-50	4617	39.7	116.2

Recommended Dimmers*

- Lutron NTSTV
- Lutron DVSTV
- Cooper SF10P
- Legrand RH4FBL3PW

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: T4C-24-MV-40-EM

Series	Size	Voltage	CCT's	EM (Optional)
T4C	24 (2' 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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.