

# T4A

## 2x4 Architectural LED Troffer

### Product Description

The T4A Architectural LED Troffer is an economical lighting solution for commercial, educational, medical, and retail applications where general-purpose ambient lighting is required. With its contemporary center lens design, T4A provides a soft natural glow and even illumination that minimizes glare. The fixture also features a pre-mounted driver with a high-efficiency, maintenance-free LED chamber that's ideal for schools, hospitals, airports, offices, or convenience stores. Available in 1x4, 2x2, or 2x4 configurations, T4A is an easy-to-install upgrade from linear fluorescent lighting to a long-lasting, energy-efficient LED solution.

#### Construction

- Durable steel construction with powder coat finish
- High efficiency, maintenance-free LED chamber
- Smooth formed sides for safe handling

#### Optical System

- Precision engineered polystyrene diffuser
- 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 125+ lumens per watt depending on CCT
- 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
- Meets FCC Part 15B: 2016 Class A requirements

#### Mounting and installation

- Quick and easy single person installation
- Features an integral driver for easy installation
- Mounting holes provided for seismic wire
- Certified for direct contact with insulation
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

#### Finish

- Matte white powder coat finish

#### Warranty

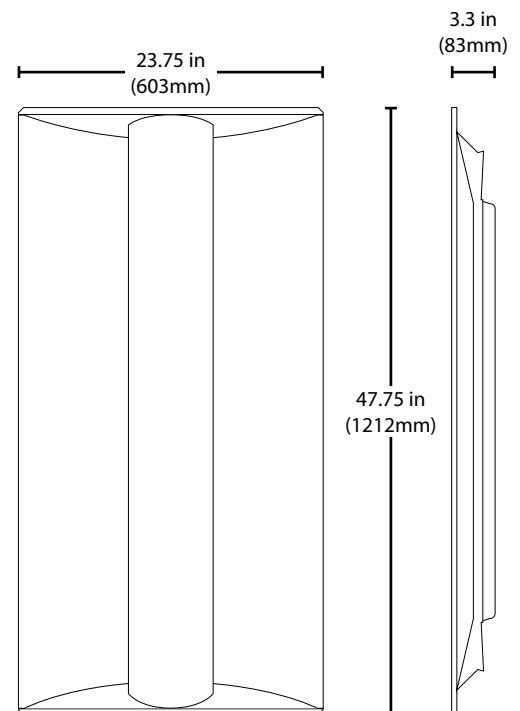
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)
- TM-21 Projected L70(9k) life >180,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards.

Project \_\_\_\_\_

Catalog \_\_\_\_\_

Type \_\_\_\_\_

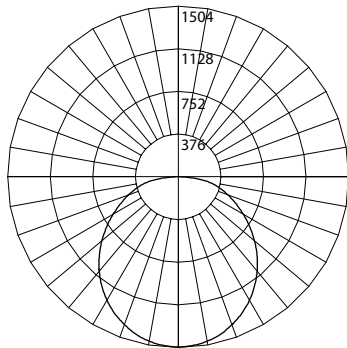
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# Photometric Data

## 3500K T4A-24

Input Voltage (VAC)	120-277
System Level Power (W)	36.4
Delivered Lumens (Lm)	4561
System Efficacy (Lm/W)	125.3
Correlated Color Temp (K)	3343
Color Rendering Index (CRI)	81
Beam Angle	112°
Spacing Criteria	1.22



### Intensity Summary (Candle Power)

Angle	Mean CP
0	1498
10	1471
20	1385
30	1255
40	1082
50	878
60	666
70	462
80	251
90	0

### CCT Data Multiplier

T4A-24-MV-40	1.004
T4A-24-MV-50	1.009

### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	23.4	10.0
10	15.0	12.5
12	10.4	14.9
14	7.6	17.4

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1195	26.2%
0-40	1957	42.9%
0-60	3457	75.8%
0-90	4561	100%
90-180	0	0%
0-180	4561	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
T4A-24-MV-35	4561	36.4	125.3
T4A-24-MV-40	4581	36.4	125.7
T4A-24-MV-50	4600	36.4	126.3

### Recommended Dimmers\*

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

\*Not a complete list. Check compatibility before installation.

## Ordering Information

Example: T4A-24-MV-40

Series	Size	Voltage	CCT's	Emergency (Optional)
<b>T4A</b>	<b>24 (2' x 4')</b>	<b>MV (120-277V)</b>	<b>35 (3500 K)</b>	<b>E1 (EMB45)</b>
			<b>40 (4000 K)</b>	<b>E2 (EMB80)</b>
			<b>50 (5000 K)</b>	<b>E3 (EMB250)</b>

Specifications and dimensions subject to change without notice.

### Accessories

accessories sold separately

Surface Mount Kit - 2x4	SK24
Drywall Frame Kit - 2x4	FK24

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.