

T3A

2x2 Architectural LED Troffer

Project _____

Catalog _____

Type _____

Product Description

The T3A Architectural LED Troffer provides an economical, easy-to-install upgrade from linear fluorescent lighting to a long-lasting and energy-efficient LED solution. 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. The T3A also features a premounted driver with a high efficiency, maintenance-free, LED chamber and is available in 1x4, 2x2 or 2x4 configurations. Whether it's a school, hospital, airport, office or convenience store, NICOR LED troffers bring a stylish and economical lighting solution to all commercial, educational, medical, and retail applications.

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

- Greater than 90 CRI (not available in 5000K)
- Color tolerance tighter than the 3-step MacAdam ellipse for consistent color performance
- Long-life LED system coupled with electrical driver to deliver optimal performance with 90+ lumens per watt depending on fixture size and 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

Mounting and installation

- Features an integral driver for easy installation
- Can be installed in conventional suspended grid ceiling
- Mounting holes provided for seismic wire
- Certified for direct contact with insulation

Finish

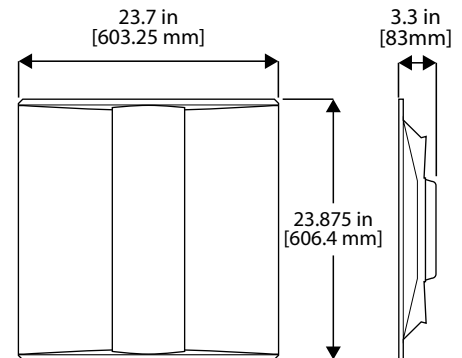
- Matte white powder coat finish

Options

- Drywall adaptor/flange kit available for 1x4, 2x2, and, 2x4 fixtures
- Surface Mount Kit converts T3A Series troffers into surface mount luminaires
- Emergency Battery Backup Driver 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 Projected L70(6k) life >85,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards.



PRODUCT INFORMATION

LED Lifetime Projected:	85,000 Hours
Input Voltage:	120-277V
Power Draw:	37W
Fixture Dimensions:	23.7 in x 23.875 in x 3.3 in (LxWxH)



Ordering Information

Example: T3A-22-S-MV-40-EM

Series	Size	Style	Voltage	CCT's	EM
T3A	22 (2' x 2')	S	MV (120-277V)	35 (3500 K)	EM (Emergency Battery)
				40 (4000 K)	
				50 (5000 K)	

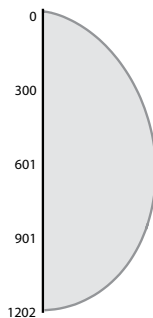
Specifications and dimensions subject to change without notice.

Photometric Data - Type C Goniophotometer

3500K T3A 2x2



Luminaire	3500K
Input Voltage (VAC)	120-277
System Level Power (W)	37
Delivered Lumens (Lm)	3502
System Efficacy (Lm/W)	95
Correlated Color Temp (K)	3414
Color Rendering Index (CRI)	96



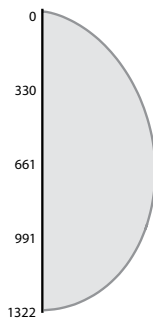
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	981	28%
0-40	1576	45%
0-60	2732	78%
0-90	3502	100%
90-180	0	0%
0-180	3502	100%

4000K T3A 2x2



Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	37
Delivered Lumens (Lm)	3552
System Efficacy (Lm/W)	96
Correlated Color Temp (K)	3922
Color Rendering Index (CRI)	95



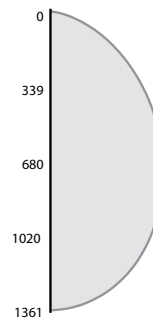
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	995	28%
0-40	1598	45%
0-60	2771	78%
0-90	3552	100%
90-180	0	0%
0-180	3552	100%

5000K T3A 2x2



Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	37
Delivered Lumens (Lm)	3694
System Efficacy (Lm/W)	100
Correlated Color Temp (K)	4998
Color Rendering Index (CRI)	82



Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1034	28%
0-40	1662	45%
0-60	2881	78%
0-90	3694	100%
90-180	0	0%
0-180	3694	100%