

# TAR Select

## 2x4 Architectural LED Troffer Retrofit Kit

### Product Description

The TARsV1 Architectural LED Troffer Retrofit 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 TAR also features a premounted driver with a high-efficiency, maintenance-free LED chamber. Whether in 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. The CCT Selectable design allows for easy adjustment to 3500K/4000K/5000K and a choice of Low/Medium/High output.

#### Construction

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

#### Optical System

- Precision engineered polycarbonate 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 -4°F to 104°F (-20°C to 40°C)
- Input voltage of 120-277VAC
- Selectable lumen output (Low/Medium/High)

#### Mounting and installation

- Unique four rail system minimizes gaps, creating a more seamless look
- Quick and easy single person installation
- Features an integral driver for easy installation
- Seismic wire provided for safe installation and operation
- Suitable for use in IC rated troffer

#### Finish

- Matte white powder coat finish

#### Warranty

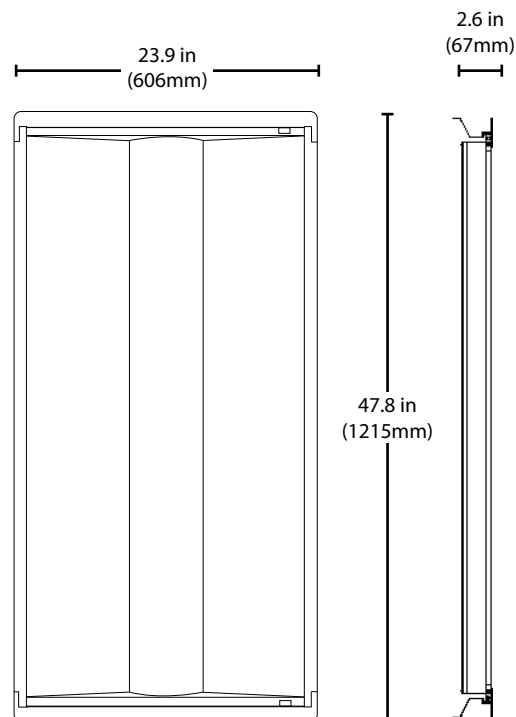
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)
- TM-21 Projected L70(9k) life >50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards.

Project

Catalog

Type

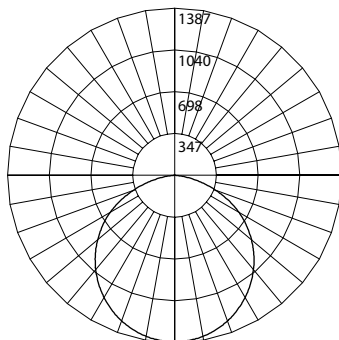
Date



# Photometric Data

## TAR24 3500K, 45W

Input Voltage (VAC)	120-277
System Level Power (W)	46.10
Delivered Lumens (lm)	6006
System Efficacy (lm/W)	130.3
Correlated Color Temp (K)	3488
Color Rendering Index (CRI)	82
Beam Angle	107°
Spacing Criteria	1.3



### Intensity Summary (Candle Power)

Angle	Mean CP
0	1973
10	1929
20	1813
30	1629
40	1395
50	1121
60	831
70	548
80	292
90	27

### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	30.8	32.3
10	19.7	40.4
12	13.7	48.5
14	10.1	56.5

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	0	25.4%
0-40	719	41.6%
0-60	1525	74.3%
0-90	6006	100%
90-180	0	0%
0-180	6006	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

Nominal CCT(K)	Power (W)	Light Output (lm)	Lumens/Watt
3500	46.1	6006	130.3
	38.4	5265	137.2
	33.6	4628	138.0
4000	45.1	6433	142.7
	38.4	5790	150.9
	33.6	5171	154.1
5000	46.6	6119	131.3
	38.4	5332	138.9
	33.6	4692	139.9

### Recommended Dimmers\*

Lutron NTSTV-DV-WH

Lutron DVSTV

Cooper SF10P

Legrand RH4FBL3PW

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

## Ordering Information

Example: TARS124U

Series	CCTs	Version	Size	Voltage	Emergency (Optional)
TAR	S (Selectable: 3500, 4000, 5000K)	1 (1.0)	24 (2' x 4')	U(120-277V)	E1 (EMB45)
					E2 (EMB80)

Specifications and dimensions subject to change without notice.

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.