

TAC Select

1x4 Architectural LED Troffer

Product Description

The TAC 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, TAC provides a soft natural glow and even illumination that minimizes glare. The CCT Selectable design allows for easy adjustment to 3500K, 4000K, or 5000K. Available in 1x4, 2x2, or 2x4 configurations, the TAC 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 PMMA 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

Mounting and installation

- Quick and easy single person installation
- Features an integral driver for easy installation
- Attached grid clip with wire-tie hole 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

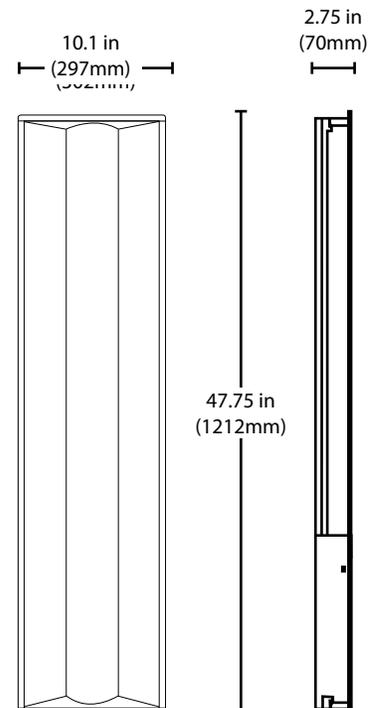
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)
- TM-21 Projected L70(9k) life >50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards.

Project

Catalog

Type

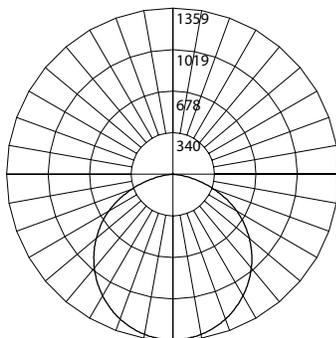
Date



Photometric Data

TAC14 3500K, 30W

Input Voltage (VAC)	120-277
System Level Power (W)	30.9
Delivered Lumens (Lm)	3882
System Efficacy (Lm/W)	125.5
Correlated Color Temp (K)	3346
Color Rendering Index (CRI)	81
Beam Angle	120°
Spacing Criteria	1.25



Intensity Summary (Candle Power)

Angle	Mean CP
0	1359
10	1328
20	1240
30	1103
40	934
50	746
60	552
70	353
80	152
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	21.2	27.7
10	13.6	34.6
12	9.4	41.5
14	6.9	48.4

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1050	27%
0-40	1719	44.3%
0-60	3063	78.9%
0-90	3882	100%
90-180	0	0%
0-180	3882	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	30.9	3882	125.6
	25.3	3313	138.0
	20.1	2712	134.9
4000	29.9	4124	138.0
	25.3	3519	139.1
	20.1	2881	143.3
5000	31.0	3914	126.3
	25.4	3340	131.5
	20.1	2734	136.0

Recommended Dimmers*

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

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: TACS114U

Series	CCTs	Version	Size	Voltage	Emergency (Optional)
TAC	S (Selectable: 3500, 4000, 5000K)	1 (1.0)	14 (1' x 4')	U(120-277V)	E1 (EMB45)
					E2 (EMB80)
					E3 (EMB250)

Specifications and dimensions subject to change without notice.

Accessories

accessories sold separately

Surface Mount Kit - 1x4	SK14
Drywall Frame Kit - 1x4	FK14

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.