

TAC Select

2x2 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 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

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

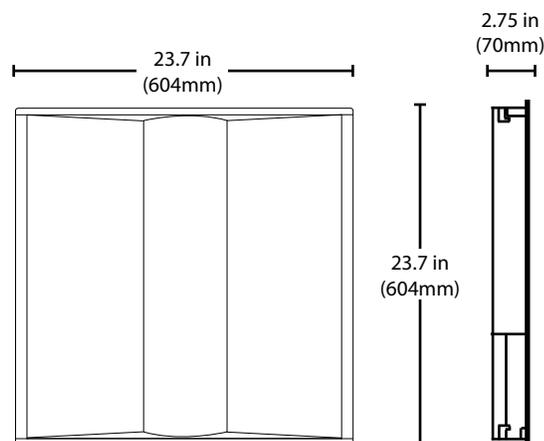
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)
- TM-21 Projected L70(9k) life >50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards.

Project _____

Catalog _____

Type _____

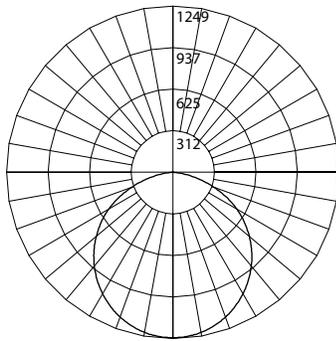
Date _____



Photometric Data

TAC22 3500K, 30W

Input Voltage (VAC)	120-277
System Level Power (W)	30.3
Delivered Lumens (Lm)	3838
System Efficacy (Lm/W)	126.7
Correlated Color Temp (K)	3444
Color Rendering Index (CRI)	82
Beam Angle	131°
Spacing Criteria	1.25



Angle	Mean CP
0	1242
10	1220
20	1142
30	1021
40	872
50	699
60	516
70	344
80	177
90	2

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	19.4	35.1
10	12.4	43.9
12	8.6	52.7
14	6.3	61.4

Zone	Lumens	% of Luminaire
0-30	960	25.3%
0-40	1573	41.5%
0-60	2819	74.4%
0-90	3790	100%
90-180	0	0.0%
0-180	3790	100%

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

Nominal CCT(K)	Power (W)	Light Output (lm)	Lumens/Watt
3500	30.3	3838	126.7
	25.3	3350	132.4
	20.3	2741	134.9
4000	30.3	4124	134.1
	25.3	3546	140.2
	20.3	2901	142.8
5000	30.3	3914	127.7
	25.3	3377	133.5
	20.3	2762	135.9

Recommended Dimmers*

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

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: TACS122U

Series	CCTs	Version	Size	Voltage	Emergency (Optional)
TAC	S (Selectable: 3500, 4000, 5000K)	1 (1.0)	22 (2' x 2')	U(120-277V)	E1 (EMB45)
					E2 (EMB80)
					E3 (EMB250)

Specifications and dimensions subject to change without notice.

Accessories

accessories sold separately

Surface Mount Kit - 2x2	SK22
Drywall Frame Kit - 2x2	FK22

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.