TPE

2x4 Edgelit LED Troffer

Project

Catalog

Type

Date

Product Description

The ultra slim, flat panel TPE Edgelit Troffer provides uniform edge-to-edge illumination for a modern, clean aesthetic that eliminates shadowing. It installs easily into tight ceiling spaces, making it an ideal replacement for traditional fluorescent fixtures, and includes built-in T-Grid clips for a more secure installation and added safety. The TPE is available in 1x4, 2x2 and 2x4 configurations and has optional accessories for surface mount or recessed flange mount applications as well as emergency battery backup.

Construction
- Extruded aluminum with powder coat finish
- Coated backplate increases fixture rigidity
- Smooth formed sides for safe handling

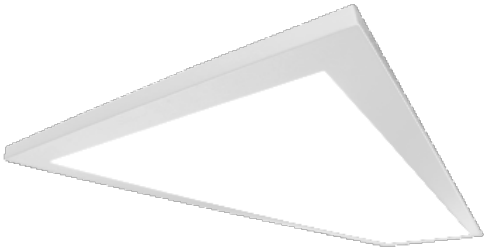
Optical System
- Edge lit LED technology
- Precision engineered PMMA light guide prevents yellowing and crazing
- High efficiency optical stack provides 125+ lumen per watt depending on CCT

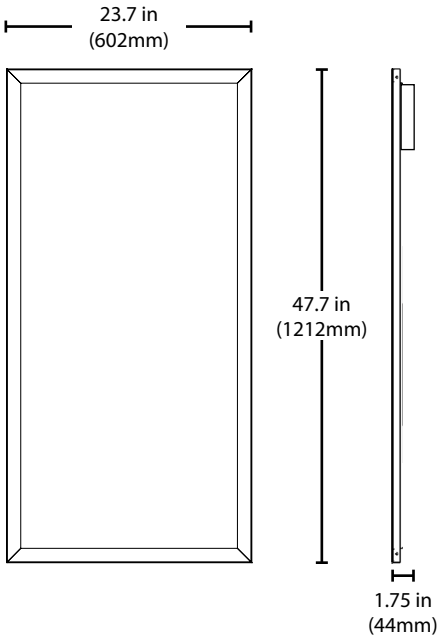
Electrical
- Input voltage of 120-277VAC
- Driver delivers full-range dimming from 0 - 10VDC
- 2kV surge protection standard
- Operating temperature rating of 0°F to 100°F (-18°C to 38°C)
- Meets FCC Part 15B: 2016 Class A requirements
- TM-21 Reported L70(9k) life >54,000 hours
- TM-21 Calculated L70(9k) life = 238,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Mounting and installation
- Four integral T-Grid clips with mounting holes for seismic wire
- Junction box with multiple knockouts mounted to back of fixture for easy installation
- 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.)





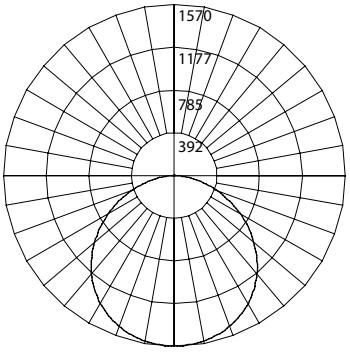
DLC PREMIUM · c UL us LISTED · DAMP LOCATION RATED · 5 YEAR WARRANTY

NICOR® LED

Photometric Data

TPE1024S 4000K

Input Voltage (VAC)	120-277
System Level Power (W)	35.8
Delivered Lumens (Lm)	4504
System Efficacy (Lm/W)	125.7
Correlated Color Temp (K)	3919
Color Rendering Index (CRI)	82
Beam Angle (0°)	110.4°
Beam Angle (90°)	113.4°
Spacing Criteria (0°)	1.26
Spacing Criteria (90°)	1.30



Intensity Summary (Candle Power)

Angle	Along	Across
0	1565	1565
5	1552	1564
15	1500	1519
25	1392	1425
35	1238	1277
45	1035	1074
55	796	830
65	544	565
75	291	301
85	76	75
90	3	8

CCT Data Multiplier

TPE1024SMV35	0.954
TPE1024SMV50	1.007

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	97.8	5.2
6	43.8	7.7
8	24.5	10.3
10	15.7	12.9
12	10.9	15.4
14	8.0	18.0
16	6.1	20.8

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1222	27.1%
0-40	2006	44.5%
0-60	3539	78.6%
0-90	4478	99.4%
90-180	26	0.6%
0-180	4504	100.0%

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
TPE1024SMV35	4299	34.4	125.0
TPE1024SMV40	4504	35.8	125.7
TPE1024SMV50	4536	36.0	126.0

Recommended Dimmers*

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

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

Ordering Information

Example: TPE1024SMV40WHE1

Series	Version	Size	Voltage	CCT's	Finish	Emergency (Optional)
TPE	**10** (Version 1)	**24S** (2x4)	**MV** (120-277V)	☐ **35** (3500 K)	☐ **WH** (White)	☐ **E1** (EMB45)
				☐ **40** (4000 K)		☐ **E2** (EMB80)
				☐ **50** (5000 K)		☐ **E3** (EMB250)

Specifications and dimensions subject to change without notice.

Accessories

accessories sold separately

TPE 2X2 & 2X4 Emergency Mounting Plate	TPE102224EMPLATE
TPE 2X4 Flange Mount Kit	TPE10FK24
TPE 2X4 Surface Mount Kit	TPE10SK24

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.