

TPC

2x2 Edgelit LED Panel

Product Description

The ultra slim, TPC Edgelit Panel 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 TPC 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 frame with powder coat finish
- Coated steel backplate increases fixture rigidity

Optical System

- Edge lit LED technology
- Precision engineered MS light guide for high efficiency transmission
- High efficiency optical stack provides up to 105 lumens per watt depending on CCT

Electrical

- Input voltage of 120-277VAC
- Driver delivers full-range dimming from 0 - 10VDC
- Operating temperature rating of 0°F to 100°F (-18°C to 38°C)
- Meets FCC Part 15B Class A requirements
- TM-21 Reported L70(6k) life >36,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Mounting and installation

- 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 electrical distribution panel

Finish

- Matte white powder coat finish

Warranty

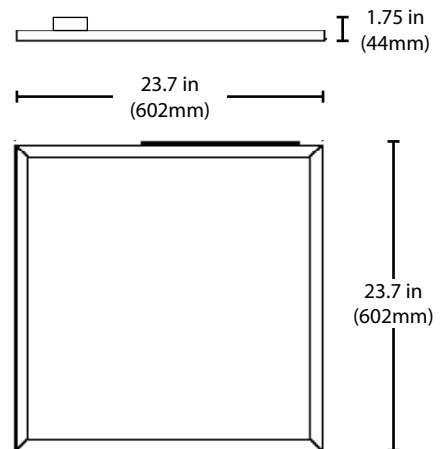
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)

Project

Catalog

Type

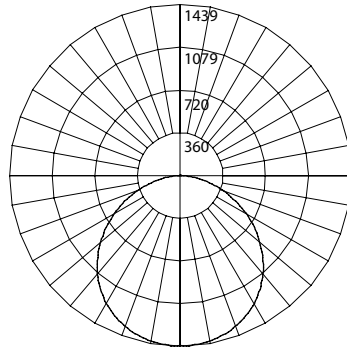
Date



Photometric Data

TPC1022 3500K

Input Voltage (VAC)	120-277
System Level Power (W)	40.1
Delivered Lumens (Lm)	4139
System Efficacy (Lm/W)	103.3
Correlated Color Temp (K)	3433
Color Rendering Index (CRI)	81
Beam Angle (0°)	112.4°
Beam Angle (90°)	113.2
Spacing Criteria (0°)	1.26
Spacing Criteria (90°)	1.28



Intensity Summary (Candle Power)

Angle	Along	Across
0	1439	1439
5	1434	1432
15	1389	1378
25	1294	1278
35	1155	1134
45	977	951
55	765	740
65	529	506
75	285	266
85	70	57
90	0	0

CCT Data Multiplier

TPC1022MV40	1.011
TPC1022MV50	1.017

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	90.0	5.9
6	40.0	8.9
8	22.5	11.9
10	14.4	14.8
12	10.0	17.8
14	7.3	20.8
16	5.6	23.7

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1119	27.0%
0-40	1835	44.3%
0-60	3250	78.5%
0-90	4135	99.9%
90-180	0	0.0%
0-180	4139	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
TPC1022MV35	4139	40.1	103.3
TPC1022MV40	4184	40.1	104.4
TPC1022MV50	4209	40.1	105.0

Recommended Dimmers*

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

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: TPC1022MV40WH

Series	Version	Size	Voltage	CCT's	Finish	Emergency (Optional)
TPC	10 (Version 1)	22 (2x2)	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

2X2 & 2X4 Emergency Mounting Plate	TPE102224EMPLATE
2X2 Flange Mount Kit	TPE10FK22
2X2 Surface Mount Kit	TPE10SK22

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.