

TPC Select

2x4 Edgelit LED Panel

Product Description

The ultra slim, TPC Select 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 CCT Selectable design allows for easy adjustment to 3500, 4000, or 5000k. 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 with powder coat finish
- Coated backplate increases fixture rigidity

Optical System

- Edge lit LED technology
- Precision engineered MS light guide for high efficiency transmission

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)
- Selectable wattage: 50W, 40W, and 30W
- Meets FCC Part 15B Class A requirements
- TM-21 Reported L70(6k) life >50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

LED

- Selectable CCT: 3500K, 4000K, or 5000K

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

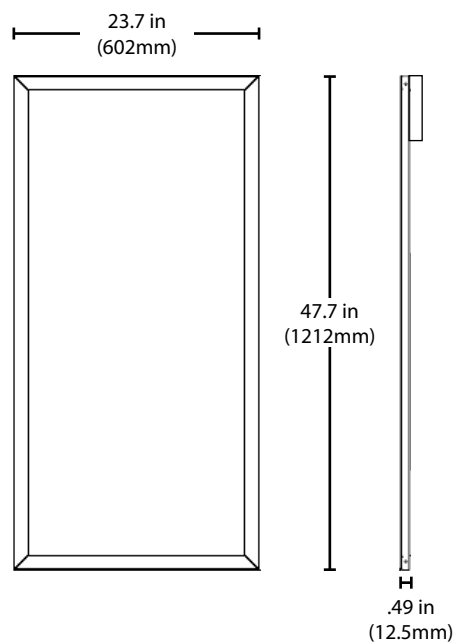
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)

Project _____

Catalog _____

Type _____

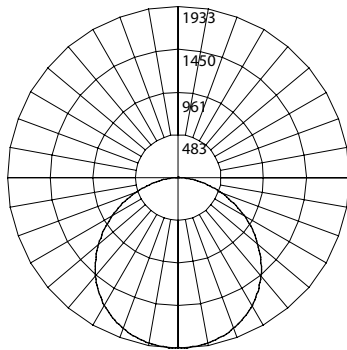
Date _____



Photometric Data

TPC1024 3500K

Input Voltage (VAC)	120-277
System Level Power (W)	49.5
Delivered Lumens (Lm)	5511
System Efficacy (Lm/W)	111.3
Correlated Color Temp (K)	3482
Color Rendering Index (CRI)	83
Beam Angle (0°)	113°
Beam Angle (90°)	111°
Spacing Criteria (0°)	1.26
Spacing Criteria (90°)	1.28



Intensity Summary (Candle Power)

Angle	Along
0	1933
10	1897
20	1794
30	1627
40	1401
50	1134
60	836
70	521
80	220
90	0

CCT Data Multiplier

4000K	1.062
5000K	1.003

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	120.8	12.1
6	53.7	18.1
8	30.2	24.2
10	19.3	30.2
12	13.4	36.3
14	9.9	42.3
16	7.6	48.3

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1503	27.3%
0-40	2460	44.6%
0-60	4341	78.8%
0-90	5510	100%
90-180	0	0%
0-180	5511	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	49.5	5511	111.3
	40.1	4664	116.3
	30.7	3681	120.1
4000	47.5	5330	112.2
	40.1	4699	117.2
	30.7	3708	120.9
5000	49.6	5510	111.1
	40.1	4654	116.0
	30.7	3673	119.8

Recommended Dimmers*

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

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: TPCS124U

Series	CCT's	Version	Size	Voltage	
TPC	S (Selectable: 3500, 4000, 5000K)	1 (Version 1)	24 (2x4)	U(120-277V)	E1 (EMB45)
					E2 (EMB80)
					E3 (EMB250)

Specifications and dimensions subject to change without notice.

Accessories *accessories sold separately*

TPC 2X2 & 2X4 Emergency Mounting Plate	TPE1024EMPLATE
TPC 2X4 Flange Mount Kit	TPE10FK24
TPC 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.