

# TPC Select

## 2x2 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: 40W, 30W, and 25W
- 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

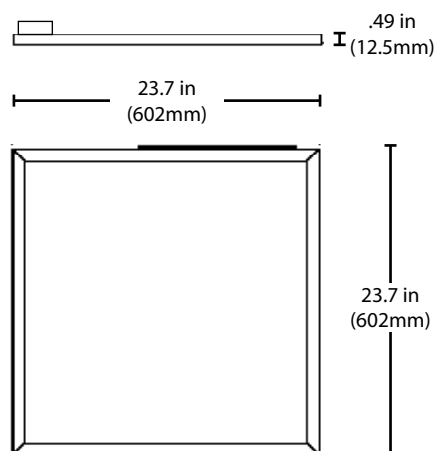
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)

Project

Catalog

Type

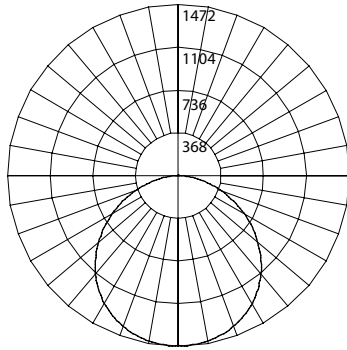
Date



# Photometric Data

## TPCS122U 3500K

Input Voltage (VAC)	120-277
System Level Power (W)	39.2
Delivered Lumens (Lm)	4352
System Efficacy (Lm/W)	111.0
Correlated Color Temp (K)	3440
Color Rendering Index (CRI)	83
Beam Angle (0°)	115°
Beam Angle (90°)	115°
Spacing Criteria (0°)	1.30
Spacing Criteria (90°)	1.30



### Intensity Summary (Candle Power)

Angle	Along
0	1472
10	1455
20	1394
30	1287
40	1126
50	916
60	675
70	416
80	172
90	0

### CCT Data Multiplier

4000K	1.062
5000K	1.003

### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	92.0	12.6
6	40.9	18.8
8	23.0	25.1
10	14.7	31.4
12	10.2	37.7
14	7.5	44.0
16	5.8	50.2

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1163	26.7%
0-40	1921	44.1%
0-60	3423	78.7%
0-90	4350	100%
90-180	0	0%
0-180	4352	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	39.2	4352	111.0
	29.9	3467	116.0
	25.2	2986	118.5
4000	38.5	5010	130.2
	30.2	4082	135.2
	25.4	3502	137.7
5000	39.3	4354	110.9
	30.2	3500	115.9
	25.4	3012	118.4

### Recommended Dimmers\*

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

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

## Ordering Information

Example: TPCS122U

Series	CCT's	Version	Size	Voltage	
TPC	S (Selectable: 3500, 4000, 5000K)	1 (Version 1)	22 (2x2)	U(120-277V)	E1 (EMB45)
					E2 (EMB80)
					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.