

TPC

1x4 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 108 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

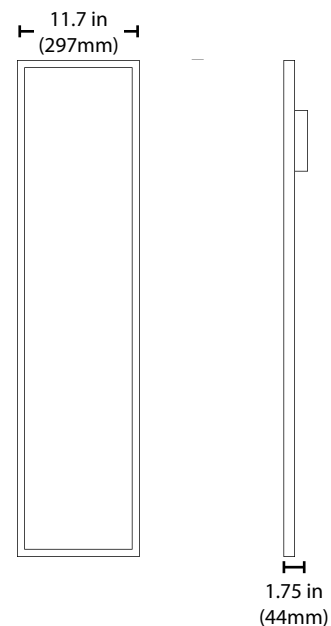
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)

Project _____

Catalog _____

Type _____

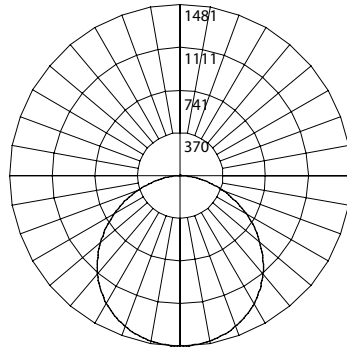
Date _____



Photometric Data

TPC1014 3500K

Input Voltage (VAC)	120-277
System Level Power (W)	40.0
Delivered Lumens (Lm)	4210
System Efficacy (Lm/W)	105.2
Correlated Color Temp (K)	3352
Color Rendering Index (CRI)	82
Beam Angle (0°)	111.4°
Beam Angle (90°)	113.0°
Spacing Criteria (0°)	1.26
Spacing Criteria (90°)	1.36



Intensity Summary (Candle Power)

Angle	Along	Across
0	1468	1468
5	1481	1461
15	1465	1405
25	1393	1297
35	1268	1149
45	1085	963
55	857	747
65	591	510
75	314	264
85	73	50
90	0	0

CCT Data Multiplier

TPC1014MV40	1.023
TPC1014MV50	1.031

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	91.8	5.9
6	40.8	8.8
8	22.9	11.7
10	14.7	14.7
12	10.2	17.6
14	7.5	20.5
16	5.7	23.5

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1142	27.1%
0-40	1873	44.5%
0-60	3319	78.8%
0-90	4207	99.9%
90-180	0	0.0%
0-180	4210	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
TPC1014MV35	4210	40.0	105.2
TPC1014MV40	4307	40.0	107.6
TPC1014MV50	4342	40.0	108.5

Recommended Dimmers*

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

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: TPC1014MV40WH

Series	Version	Size	Voltage	CCT's	Finish	Emergency (Optional)
TPC	10 (Version 1)	14 (1x4)	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

TPC 1X4 Emergency Mounting Plate	TPE1014EMPLATE
TPC 1X4 Flange Mount Kit	TPE10FK14
TPC 1X4 Surface Mount Kit	TPE10SK14

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.