# LED Pro Series Luminaires

## Product Specifications

TCP's LED Pro Series Luminaires feature back-lit technology with a robust construction that still offers a slim, low profile with beautiful full-panel diffusion and superior uniformity. The pre-installed TCP Quick Connect Wiring allows for the easiest panel installation.

These energy efficient luminaires offer a cost-effective solution to maximize energy savings and take advantage of utility rebates.

Applications:  T-bar Grid Ceilings

## Reasons to choose the LED Pro Series Luminaires from TCP

- Superior energy efficiency compared to fluorescent alternatives, providing instant energy savings and potential rebate ability
- Long 50,000 hour rated life significantly reduces maintenance labor and material costs
- Excellent color consistency and high CRI enhances color of focal point while maintaining uniformity throughout lighting installation

- Mercury-free construction is great for all environments
- Fits standard 1" and 9/16" T-bar grid ceilings
- Utilizes back-lit technology for full diffusion with excellent uniformity
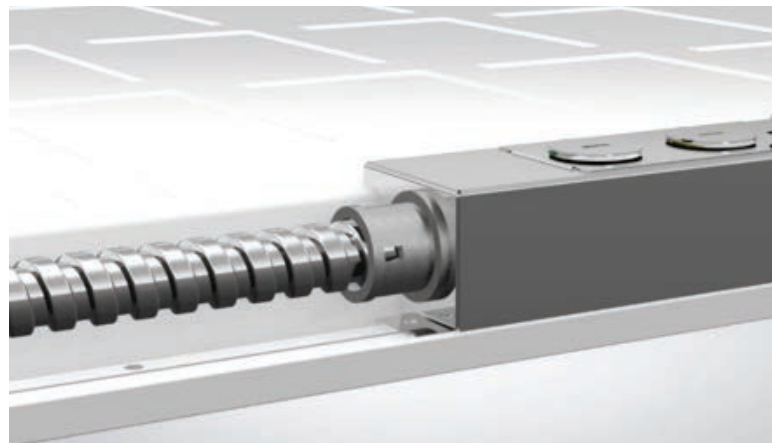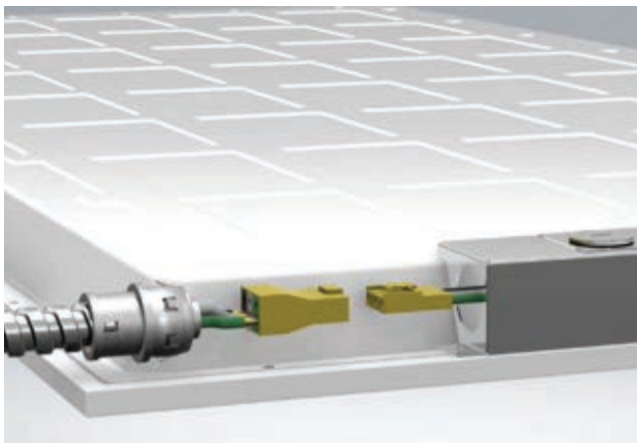- Slim, low-profile design and lightweight for easy handling

## Ideal Applications

- Office
- Retail Stores

- Schools
- Hospitality

- Restaurants
- Healthcare

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5 YEAR WARRANTY

## Fast, easy installation with TCP Quick Connect Wiring
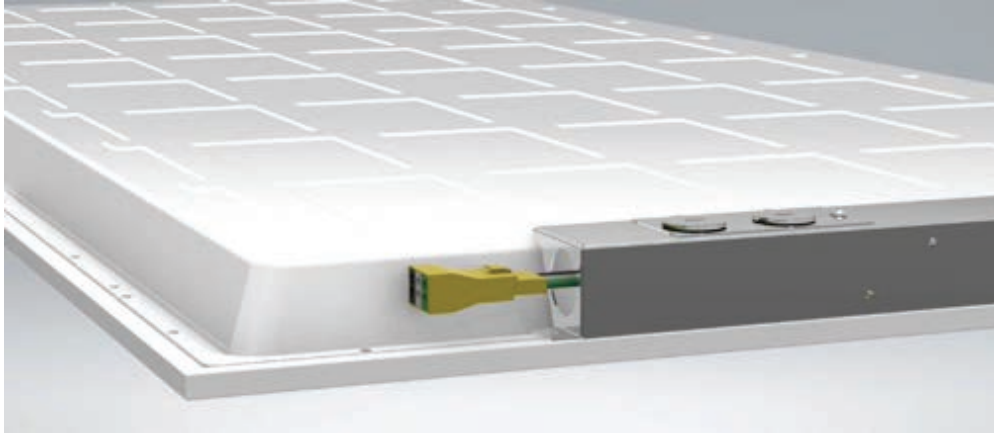


6-node prewired connector included standard





## Install like a PRO with TCP's new Pro Line Panel!

- Time is money - two-step wiring system reduces wiring install time by 75%

- Daisy chain ready - included 6-node connector allows for fast daisy chaining

- Controls? No problem - 0-10V lines included in driver compartment

Scan me to see the PLP in action!

For the most up-to-date specs and warranty information, please visit www.tcpi.com

**TCP®**
325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcpi.com

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5 YEAR WARRANTY

## Specifications

Input Line Voltage ....................................................120-277 VAC
Input Line Frequency (Hz) .............................................. 50/60Hz
Wattage (W)
    2'x2'............... 38W (Wattage Selectable to 38W/29W/23W)
    2'x4'............... 46W (Wattage Selectable to 46W/39W/29W)
Lumens (L)
    2'x2'..................................................... 4200/3200/2600L
    2'x4'..................................................... 5100/4400/3300L
Lumens per Watt (LPW)..................................................>110 LPW
Rated Life.............................................................. 50,000 hours
Minimum Starting Temperature ...............................................-20°C
Maximum Operating Temperature......................................... 40°C
CRI ..................................................................... >80
Power Factor .....................................................................>90%
THD.......................................................................<20%
Ratings ................................ UL/cUL damp location rated, IC rated,
                                        IP20,  DLC Standard 5.1
Controls................................................ 0-10V dimming (standard)

2"x2'

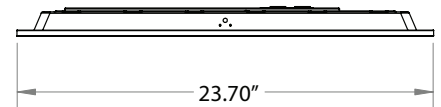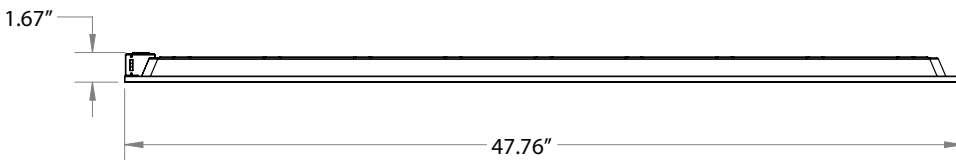2'x4'

### 2' x 2' Pro Line Panel
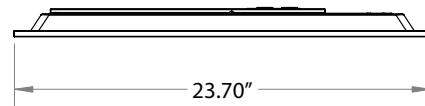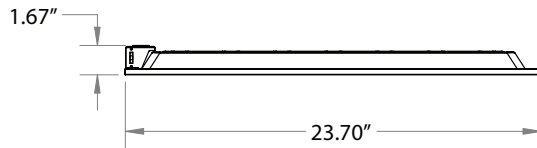
1.67"

23.70"

23.70"

### 2' x 4' Pro Line Panel

1.67"

47.76"

23.70"

## Applications

TCP LED Pro Series Luminaires are cost-effective, high-efficiency alternatives to traditional T5, T8 and T12 linear fluorescent troffers. Featuring a slim, low-profile design, our LED Pro Series Luminaires use back-lit technology to deliver full panel diffusion and superior uniformity that meets or exceeds the output from edge-lit panels. Applications include offices, schools, retail locations, healthcare, hospitality and other T-grid and commercial ceilings.

## Construction

- Rectangular white frame
- Lens: frosted white diffuser
- IP20 rated
- IC rated for direct contact with insulation
- Designed for easy drop into T-bar grid ceilings
- T-Bar grid clips included standard

## Electrical

- UL/cUL damp location rated
- 0-10V dimming driver (standard)
- LED driver with integrated junction box
- System rated for long 50,000 hour life

## Optics

- Back-lit technology provides even, uniform lighting
- 120° beam angle
- Frosted diffuser for reduced glare and aesthetic appeal
- Meets or exceeds the look and performance of edge-lit panels

| Item Number | |
|---|---|
| Notes | Type |

### Listings

UL/cUL Listed
IC Rated
RoHS Compliant

### Lumen Maintenance

L70 > 54,000 hours

### Warranty

Five year limited warranty against defects in manufacturing.

| ITEM NUMBER | SIZE | VOLTAGE | DRIVER CONTROLS | LUMEN PACKAGE | COLOR TEMPERATURE | COLOR | FACTORY INSTALLED OPTIONS | ADDED CONTROL OPTIONS |
|---|---|---|---|---|---|---|---|---|
| **PLP** – Pro Line Panel | **2** – 2' x 2' | **U** – 120-277V | **ZD** – 0-10V Dimming | **A1** – 2600/3200/4200L (23/29/38W Selectable) | **30K** – 3000K<br>**35K** – 3500K<br>**41K** – 4100K<br>**50K** – 5000K<br>**CCT** – 35/41K/50K Selectable | **Blank** – White<br>**BLK** – Black | **Blank** – None<br>**EB** – Battery Backup | **Blank** – None<br>**All Controls** –<br>(**SM** – SmartBox Bluetooth) |

[1] Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
[2] Actual wattage may differ by +/- 5%; when operating between 120-277V +/- 10%.
[3] 23W and 29W are permanently fixed; 38W is adjustable.
[4] Special frame colors are special order only. Please contact your TCP Sales Representative for details.

**Accessories:**

| Item Number | Description |
|---|---|
| **YHANGER6PK** | Y FIT CABLE HANGER 6 PACK (ONE PACK HANGS 3 PANELS) |
| **DTSK2** | SURFACE MOUNT KIT FOR DIRECT TROFFER 2X2 |
| **DTFLK2** | RECESS MOUNT FLANGE KIT FOR 2X2 TROFFERS |

For the most up-to-date specs and warranty information, please visit www.tcpi.com

## Applications

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## Construction

- Rectangular white frame
- Lens: frosted white diffuser
- IP20 rated
- IC rated for direct contact with insulation
- Designed for easy drop in T-bar grid ceilings
- T-bar grid clips included as standard

## Electrical

- UL/cUL damp location rated
- 0-10V dimming driver (standard)
- LED driver with integrated junction box
- System rated for long 50,000 hour life

## Optics

- Back-lit technology provides even, uniform lighting
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| ITEM NUMBER | SIZE | VOLTAGE | DRIVER CONTROLS | LUMEN PACKAGE | COLOR TEMPERATURE | COLOR | FACTORY INSTALLED OPTIONS | ADDED CONTROL OPTIONS |
|---|---|---|---|---|---|---|---|---|
| **PLP** – Pro Line Panel | **4** – 2' x 4' | **U** – 120-277V | **ZD** – 0-10V Dimming | **A2** – 3300/4400/5100L (29/39/46W) | **30K** – 3000K<br>**35K** – 3500K<br>**41K** – 4100K<br>**50K** – 5000K<br>**CCT** – 35/41K/50K Selectable | **Blank** – White<br>**BLK** – Black | **Blank** – None<br>**EB** – Battery Backup | **Blank** – None<br>**All Controls** – (**SM** – SmartBox Bluetooth) |

[1] Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
[2] Actual wattage may differ by +/- 5%; when operating between 120-277V +/- 10%.
[3] 23W, 29W and 38W are permanently fixed; 46W is adjustable.
[4] Special frame colors are special order only. Please contact your TCP Sales Representative for details.

### Accessories:

| Item Number | Description |
|---|---|
| **YHANGER6PK** | Y FIT CABLE HANGER 6 PACK (ONE PACK HANGS 3 PANELS) |
| **DTSK4** | SURFACE MOUNT KIT FOR DIRECT TROFFER 2X4 |
| **DTFLK4** | RECESS MOUNT FLANGE KIT FOR 2X4 TROFFERS AND PANELS |

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c**UL**us LISTED

**5** YEAR WARRANTY

# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

| | |
|---|---|
| Sales: | Catalog Number: |
| Date: | Type: |
| Model: | Notes: |
| Project: | |
| Rep: | |

**TCP®**
we know light.™