TCP’s LED Flat Panel Luminaire features a slim, low-profile design with full panel diffusion and superior uniformity.

It offers a cost effective solution to maximize savings and take advantage of utility rebates without sacrificing performance.

APPLICATIONS: T-bar Grid Ceilings

- Up to 51% less energy than fluorescent alternatives
- Long 50,000 hour rated life
- Excellent color consistency & CRI
- Mercury free
- Fits standard 1” and 9/16” T-bar grid ceilings
- Utilizes edge-lit technology
- Slim, low-profile design
- Ideal for:
  - Offices
  - Retail Stores
  - Schools
  - Hospitality
  - Restaurants
  - Healthcare

we know light.™
Features/Benefits

- Up to 51% less energy than fluorescent alternatives
- Instant energy savings; potential rebate eligibility
- Long 50,000 hour rated life
- Significantly reduce maintenance labor & material costs
- Excellent color consistency & CRI
- Enhances color of focal point while maintaining uniformity throughout lighting installation
- Mercury free
- Great for all environments
- Fits standard 1” and 9/16” T-bar grid ceilings
- Easy installation and retrofit application
- Utilizes edge-lit technology
- Full diffusion with excellent uniformity
- Slim, low-profile design
- Lightweight for easy handling. Fit more per pallet to reduce shipping cost and storage space

Specifications

- Input Line Voltage: 120-277 VAC
- Input Line Frequency (Hz): 50/60HZ
- Wattage (W):
  - 2x2: 23W/29W/38W Selectable
  - 2x4: 23W/29W/38W/46W Selectable
- Lumens (L):
  - 2x2: 3000L/3800L/4800L
  - 2x4: 3250L/4000L/5200L/6000L
- Lumens per Watt (LPW): >125 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
- Controls: 0-10V dimming (standard)

Replacement Strategy

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>BALLAST FACTOR</th>
<th>LUMENS</th>
<th>INPUT WATTS*</th>
<th>LED ENERGY SAVINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP LED Flat Panel - 2x2</td>
<td>—</td>
<td>4100</td>
<td>38</td>
<td>—</td>
</tr>
<tr>
<td>2 Lamp 34W T12 U-Bend</td>
<td>0.88</td>
<td>4420</td>
<td>74</td>
<td>49%</td>
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<tr>
<td>2 Lamp 32W T8 U-Bend</td>
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<td>58</td>
<td>34%</td>
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<tr>
<td>2 Lamp 24W T5HO</td>
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<td>3145</td>
<td>54</td>
<td>30%</td>
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<tr>
<td>TCP LED Flat Panel - 2x4</td>
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<tr>
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<td>51%</td>
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<tr>
<td>3 Lamp 32W T8 NBF</td>
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<tr>
<td>2 Lamp 32W T8 HBF</td>
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<td>65</td>
<td>29%</td>
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<td>2 Lamp 28W T5</td>
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<td>27%</td>
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<tr>
<td>2 Lamp 32W T8 NBF</td>
<td>0.88</td>
<td>4468</td>
<td>59</td>
<td>22%</td>
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*Actual wattage may differ by +/- 5%, when operating between 120-277V +/- 10%.

NOTE: Charts show system lumens (delivered lumens), NOT straight lamp lumen output. This is calculated as follows:

System lumens = mean lumens x # lamps x ballast factor x luminaire efficiency factor
2x2 LED Wattage Selectable Premium Flat Panel Luminaire

Applications
TCP LED Flat Panel luminaires are cost-effective, high-efficiency alternatives to traditional T5, T8 and T12 linear fluorescent troffers. Featuring a slim, low-profile design, our LED flat panels uses edge-lit technology to deliver full panel diffusion and superior uniformity. Applications include offices, schools, retail locations, healthcare, hospitality and other T-grid and commercial ceilings.

Construction
- Separate driver with quick connect to panel
- 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

Electrical
- UL/cUL damp location rated
- 0-10V dimming driver (standard)
- Separate driver with quick connect to panel
- System rated for long 50,000 hour life

Optics
- Innovative edge-lit technology paired with acrylic light guide and thin frosted white diffuser
- 120° beam angle
- Delivers full panel diffusion and excellent uniformity

Catalog Ordering Matrix

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>FP2UZDA130K</td>
<td>3000L 3800L 4800L</td>
</tr>
<tr>
<td></td>
<td>23W   29W   38W</td>
</tr>
<tr>
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Order the Kit Item Number. The light engine and drivers are packaged separately and shipped in bulk quantities.

1 Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
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</tr>
<tr>
<td>FP4UZDA135K</td>
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<td>FP4UZDA141K</td>
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<tr>
<td>FP4UZDA150K</td>
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<td>FP4UZDA230K</td>
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<tr>
<td>FP4UZDA250K</td>
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