



# LED Flat Panel Luminaires

## Great Features/Benefits

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

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

**APPLICATIONS**    Offices    Restaurants    Schools  
**T-Grid Ceilings:**    Hospitals    Retail Stores

- 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



5 YEAR WARRANTY



## 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, fit more per pallet to reduce shipping cost and storage space

## Specifications

Input Line Voltage	120-277 V AC; 347V
Input Line Frequency (Hz)	50/60HZ
Wattage (W)	1x4 & 2x2 = 36W 2x4 = 50W
Lumens (l)	1x4 & 2x2 = 3600L 2x4 = 5000L
Lumens per Watt (LPW)	100 LPW
Rated Life	50,000 hours
Minimum Starting Temperature	-20°C
Maximum Operating Temperature	50°C
CRI	>80
Power Factor	>95%
THD	<20%
Environmental Ratings	Damp location rated
Controls	0-10V dimming (standard)
Dimensions	1x4 = 11.73" x 47.76" x 0.32" (2985mm x 1213mm x 8mm); 6.61 lbs (3kg)  2x2 = 23.74" x 23.74" x 0.32" (603mm x 603mm x 8mm); 6.61 lbs (3kg)  2x4 = 23.74" x 47.76" x 0.39" (603mm x 1213mm x 10mm); 13.23 lbs (6kg)

1X4  
LED Flat Panel

2x2  
LED Flat Panel

2X4  
LED Flat Panel



5 YEAR WARRANTY

To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).

# LED Flat Panel Luminaires

## Warranty

Five years against defects in manufacturing

## Listings

UL/cUL Listed  
Design Lights Consortium (DLC) Qualified Products List  
RoHS Compliant

## Overview

LENS	SIZE	VOLTAGE & CONTROLS	LUMEN PACKAGE (POWER) <sup>12</sup>	COLOR (CCT)	OPTIONS
Frosted White	1'x4' 2'x2' 2'x4'	120-277V Universal 0-10V Dimming Driver  347V	<b>1x4</b> 3600L (36W)  <b>2x2</b> 3600L (36W)  <b>2x4</b> 5000L (50W)	30K = 3000K 35K = 3500K 41K = 4100K 50K = 5000K	Emergency Backup

<sup>1</sup> Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.

<sup>2</sup> Actual wattage may differ by +/- 5%, when operating between 120-277W +/- 10%.

## Replacement Strategy

SYSTEM	BALLAST FACTOR	LUMENS	INPUT WATTS*	LED ENERGY SAVINGS
<b>TCP LED Flat Panel - 2x2</b>	—	<b>3600</b>	<b>36</b>	—
2 Lamp 34W T12 U-Bend	0.88	4420	74	51%
2 Lamp 32W T8 U-Bend	0.88	4275	58	38%
2 Lamp 24W T5HO	1.0	3145	54	33%
<b>TCP LED Flat Panel - 2x4</b>	—	<b>5000</b>	<b>50</b>	—
2 Lamp 32W T8 HBF	1.18	4658	65	23%
2 Lamp 28W T5	1.0	4675	63	21%
2 Lamp 32W T8 NBF	0.88	4468	59	15%
3 Lamp 32W T8 HBF	1.18	6960	93	46%
3 Lamp 32W T8 NBF	0.88	6681	89	44%

\*Actual wattage may differ by +/- 5%, when operating between 120-277W +/- 10%.

**NOTE:** Above 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**





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Design  
Development  
Delivery

we know light.™

For more information on the quality and care that TCP® can deliver, call us at  
800.324.1496 or visit [tcp.com](http://tcp.com)

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