SELECT SERIES by TCP

LED Retrofit Flat Panel

Product Specifications



TCP's LED Flat Panel Troffer Retrofit Kit offers a high-efficiency alternative to T5, T8, and T12 linear fluorescent systems. It provides long-life with consistent color and superior lumen maintenance. The rugged, cold-rolled steel housing is post-painted with a matte white finish. The acrylic diffuser provides a low-glare, wide-light distribution.

The LED Flat Panel Troffer Retrofit Kit offers a cost-effective solution to maximize savings and take advantage of potential utility rebates without sacrificing performance.

Reasons to choose the LED Flat Panel Troffer Retrofit Kit from TCP

- Uses up to 61% less energy than fluorescent alternatives
- Long 50,000 hour rated life
- Excellent color consistency and CRI
- Mercury free
- Frosted acrylic diffuser
- Slim, low-profile design

Ideal Applications

- Offices
- Retail Stores
- Schools
- Hospitality
- Restaurants
- Healthcare

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5 YEAR WARRANTY

LED Retrofit Flat Panel

Specifications

Input Line Voltage 120-277V
Input Line (Hz) 50/60Hz
Wattage (W)
- 1x4
  - SW2 ..... 32W/26W/18W/15W
- 2x2
  - SW2 ..... 32W/26W/18W/15W
- 2x4
  - SW3 ..... 36W/26W/22W/18W

Lumens (L)
- 1x4
  - SW2 ..... 4600L/3800L/2800L/2200L
- 2x2
  - SW2 ..... 4600L/3800L/2800L/2200L
- 2x4
  - SW3 ..... 5200L/3800L/3200L/2800L

Lumens Per Watt (LPW) ..... >150LPW
Rated Life ..... 50,000 hours
Minimum Starting Temperature ..... -20°C
Maximum Operating Temperature ..... 50°C
CRI ..... >80
Power Factor ..... >90%
THD ..... <20%
Ratings ..... UL/cUL damp location rated, IC Rated
Controls ..... 0-10V dimming (standard)



Replacement Strategy

SYSTEM	BALLAST FACTOR	LUMENS	INPUT WATTS*	LED ENERGY SAVINGS
TCP LED Flat Panel Troffer - 2x2	**–**	**4600**	**32**	**–**
2 Lamp 34W T12 U-Bend	0.88	4420	74	59%
2 Lamp 32W T8 U-Bend	0.88	4275	58	48%
2 Lamp 24W T5HO	1.0	3145	54	44%
TCP LED Flat Panel Troffer - 2x4	**–**	**5200**	**36**	**–**
3 Lamp 32W T8 HBF	1.18	6960	93	63%
3 Lamp 32W T8 NBF	0.88	6681	89	60%
2 Lamp 32W T8 HBF	1.18	4658	65	45%
2 Lamp 28W T5	1.0	4675	63	43%
2 Lamp 32W T8 NBF	0.88	4468	59	39%

*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

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1x4 LED Retrofit Flat Panel

Applications

The TCP LED Flat Panel Troffer Retrofit Kit is a high-efficiency alternative to T5, T8, and T12 linear fluorescent troffers. Their intelligent high-performance LED light engines and drivers deliver long-life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail and hospital locations.

Construction

The TCP LED Flat Panel Troffer Retrofit Kit is constructed of rugged cold-rolled steel, post-painted with a matte white finish, and an acrylic diffuser.

Electrical

All electrical components are cULus listed. TCP high-efficiency drivers provide consistent power to ensure even lighting from the long-life LEDs. Each driver is wattage selectable and is paired with a high-quality LED light engine to deliver long-life and high-quality light. Full range 0-10V dimming is optional.

Optics

The acrylic diffuser conceals the LEDs while providing a highly-diffused, low-glare light. The smooth white reflector integrates into the diffuser creating soft illumination while distributing the light evenly in a wide pattern.

Item Number	
Notes	Type



Listings
UL/cUL Listed
RoHS Compliant
IC Rated

Lumen Maintenance
L90> 36,000 hours

Warranty
Five year limited warranty against defects in manufacturing.

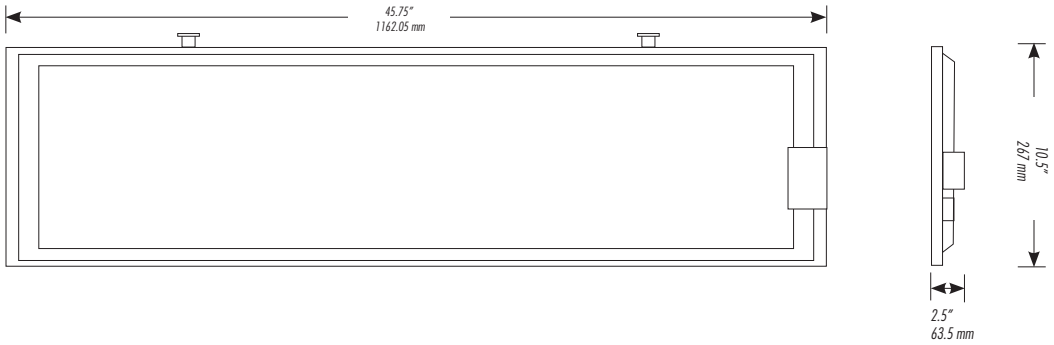
Catalog Ordering Matrix

Example: FRK1UZDSW25CCT

FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE (LUMEN PACKAGE)[1,2]	COLOR TEMPERATURE
FRK = Flat Panel Retrofit Kit	**1** = 1′ x 4′	**U** = 120V-277V	**ZD** = 0-10V Dimming	**SW2** = 32W/26W/18W/15W Selectable (4600L/3800L/2800L/2200L)	**5CCT** = 30K/35K/41K/50K/65K

[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%.

Dimensions



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

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5 YEAR WARRANTY

2x2 LED Retrofit Flat Panel

Applications

The TCP LED Flat Panel Troffer Retrofit Kit is a high-efficiency alternative to T5, T8, and T12 linear fluorescent troffers. Their intelligent high-performance LED light engines and drivers deliver long-life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail and hospital locations.

Construction

The TCP LED Flat Panel Troffer Retrofit Kit is constructed of rugged cold-rolled steel, post-painted with a matte white finish, and an acrylic diffuser.

Electrical

All electrical components are cULus listed. TCP high-efficiency drivers provide consistent power to ensure even lighting from the long-life LEDs. Each driver is wattage selectable and is paired with a high-quality LED light engine to deliver long-life and high-quality light. Full range 0-10V dimming is optional.

Optics

The acrylic diffuser conceals the LEDs while providing a highly-diffused, low-glare light. The smooth white reflector integrates into the diffuser creating soft illumination while distributing the light evenly in a wide pattern.

Item Number	
Notes	Type



Listings
UL/cUL Listed
RoHS Compliant
IC Rated

Lumen Maintenance
L90> 36,000 hours

Warranty
Five year limited warranty against defects in manufacturing.

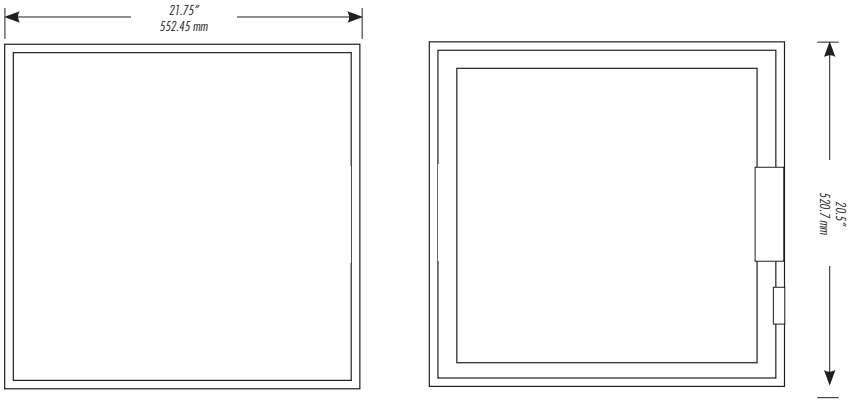
Catalog Ordering Matrix

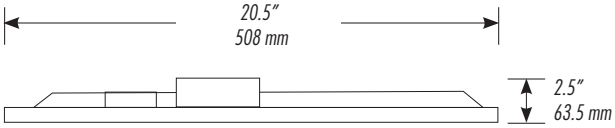
Example: FRK2UZDSW25CCT

FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE (LUMEN PACKAGE)[1,2]	COLOR TEMPERATURE
FRK = Flat Panel Retrofit Kit	**2** = 2′ x 2′	**U** = 120V-277V	**ZD** = 0-10V Dimming	**SW2** = 32W/26W/18W/15W Selectable (4600L/3800L/2800L/2200L)	**5CCT** = 30K/35K/41K/50K/65K

[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%.

Dimensions





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2x4 LED Retrofit Flat Panel

Applications

The TCP LED Flat Panel Troffer Retrofit Kit is a high-efficiency alternative to T5, T8, and T12 linear fluorescent troffers. Their intelligent high-performance LED light engines and drivers deliver long-life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail and hospital locations.

Construction

The TCP LED Flat Panel Troffer Retrofit Kit is constructed of rugged cold-rolled steel, post-painted with a matte white finish, and an acrylic diffuser.

Electrical

All electrical components are cULus listed. TCP high-efficiency drivers provide consistent power to ensure even lighting from the long-life LEDs. Each driver is wattage selectable and is paired with a high-quality LED light engine to deliver long-life and high-quality light. Full range 0-10V dimming is optional.

Optics

The acrylic diffuser conceals the LEDs while providing a highly-diffused, low-glare light. The smooth white reflector integrates into the diffuser creating soft illumination while distributing the light evenly in a wide pattern.

Item Number	
Notes	Type



Listings
UL/cUL Listed
RoHS Compliant
IC Rated

Lumen Maintenance
L90> 36,000 hours

Warranty
Five year limited warranty against defects in manufacturing.

Catalog Ordering Matrix

Example: FRK4UZDSW35CCT

FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE (LUMEN PACKAGE)[1,2]	COLOR TEMPERATURE
FRK = Flat Panel Retrofit Kit	**4** = 2′ x 4′	**U** = 120V-277V	**ZD** = 0-10V Dimming	**SW3** = 36W/26W/22W/18W Selectable (5200L/3800L/3200L/2800L)	**5CCT** = 30K/35K/41K/50K/65K

[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%.

Dimensions



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For over 30 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:	

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For more information on the quality and care TCP can deliver, call us at 800.324.1496 or visit tcpi.com

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