



DT Series Luminaires with Selectable CCT

Product Specifications



TCP's DT Series Luminaires feature back-lit technology with a robust construction that still offers a slim, low-profile design with beautiful full panel diffusion and superior uniformity.

These energy-efficient troffers offer a cost-effective solution to maximize energy savings and take advantage of potential utility rebates where applicable.

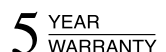
Applications: T-bar Grid Ceilings

Reasons to choose the LED DT Series Luminaires from TCP

- Provides energy savings over fluorescent alternatives and potential rebate eligibility
- Long 50,000 hour rated life significantly reduces maintenance labor and material costs
- Excellent color consistency and CRI enhance 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
- Battery Backup is Title 20 Compliant

Ideal Applications

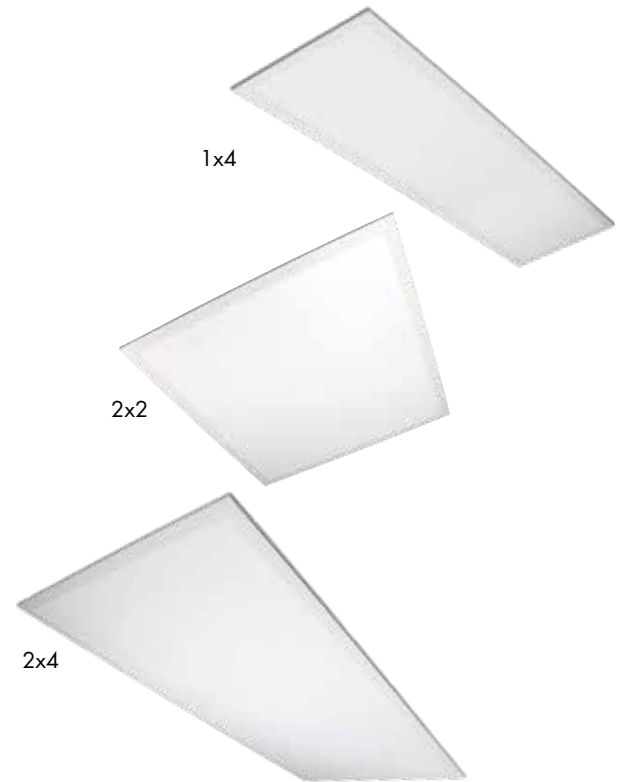
- Office
- Retail Stores
- Schools
- Hospitality
- Restaurants
- Healthcare



Not all versions of this product are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl.

Specifications

Input Line Voltage	120-277 VAC
Input Line Frequency (Hz)	50/60Hz
Wattage (W)	
1x4	23W/29W/38W
2x2	23W/29W/38W
2x4	29W/39W/46W
Lumens (L)	
1x4	2600L/3200L/4200L
2x2	2600L/3200L/4200L
2x4	3300L/4400L/5100L
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
Controls.....	0-10V dimming (standard)



Replacement Strategy

SYSTEM	BALLAST FACTOR	LUMENS	INPUT WATTS*	LED ENERGY SAVINGS
TCP LED Direct Troffer - 2x2, 1x4	—	3200	29	—
2 Lamp 34W T12 U-Bend	0.88	4420	74	61%
2 Lamp 32W T8 U-Bend	0.88	4275	58	50%
2 Lamp 24W T5HO	1.0	3145	54	46%
TCP LED Direct Troffer - 2x4	—	5100	46	—
3 Lamp 32W T8 HBF	1.18	6960	93	50%
3 Lamp 32W T8 NBF	0.88	6681	89	48%
2 Lamp 32W T8 HBF	1.18	4658	65	29%
2 Lamp 28W T5	1.0	4675	63	27%
2 Lamp 32W T8 NBF	0.88	4468	59	22%

*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

Applications

TCP LED DT 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 DT 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

Electrical

- UL/cUL damp location rated
- 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
DLC 5.1 Standard

Lumen Maintenance

L70 > 54000 hours

Warranty

Five year limited warranty against defects in manufacturing.

Catalog Ordering Matrix Example: DTF2UZD38CCT

FAMILY	LENS TYPE	SIZE	VOLTAGE	DIMMING	WATTAGE ^{1,2,3}	COLOR TEMPERATURE	OPTIONS	FRAME OPTIONS ⁵
DT = Direct Troffer	F = Frosted	2 = 2' x 2'	U = 120-277V	ZD = 0-10V Dimming	23 = 2600 Lumens 29 = 3200 Lumens 38 = 4200 Lumens (Wattage Selectable to 38W/29W/23W)	CCT = 3500/4100/5000K Selectable	BLANK = None EB = Battery Backup ⁴ CP = Chicago Plenum IS = Integrated Microwave Sensor SM = SmartBox with Sensor	BLANK = White Frame BLK = Black Frame
			H = 120-347V ⁶	ZD = 0-10V Dimming		CCT ⁷ = 3000/4100/5000K Selectable		

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 to 29W or 23W.

⁴ ILBCP07ATBTS – 7W battery backup, Title 20 compliant. Battery Backup will operate at highest CCT when activated.

⁵ Special frame colors are special order only. Please work with supply chain for lead times.

⁶ Not all options are available with 120-347V.

⁷ Special order item, contact sales rep for lead time.

Accessories:

Item Number	Description
YHANGER6PK	Y FIT CABLE HANGER 6 PACK (HANGS 3 UNITS)
DTSK2	SURFACE MOUNT KIT FOR 2X2 PANELS
DTFLK2	RECESS MOUNT FLANGE KIT FOR 2X2 PANELS

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

TCP®

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5 YEAR WARRANTY

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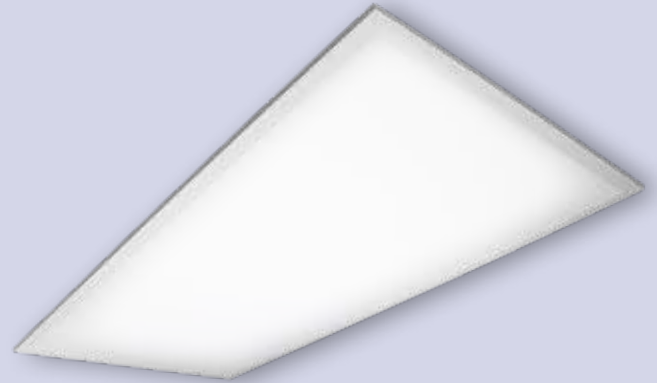
Electrical

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

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