



# 2x4 Select Series LED Direct Troffers

## Applications

TCP Select Series LED Direct Troffers 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 backlit 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

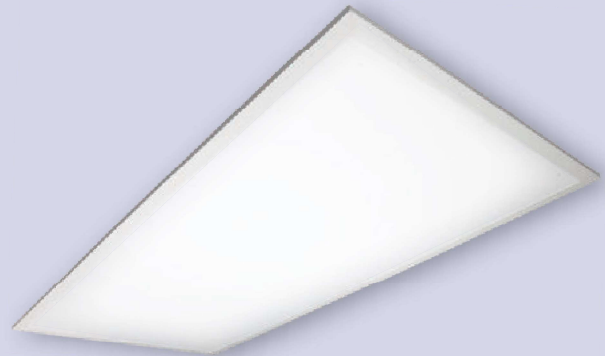
## Electrical

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

## Optics

- Backlit 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 > 54000 hours

### Warranty

Five year limited warranty against defects in manufacturing.

## Catalog Ordering Matrix

### SELECTABLE WATTAGE WITH SELECTABLE CCT

FAMILY	LENS TYPE	SIZE	VOLTAGE	DIMMING	WATTAGE <sup>1,2</sup>	COLOR TEMPERATURE	OPTIONS
DT = Direct Troffer	F = Frosted	4 = 2' x 4'	U = 120-277V	ZD = 0-10V Dimming	SW3 = 36/26/22W (5200/3800/3200L) SW8 = 65/55/45W (10000/8300/7200L)	CCT = 3500/4100/5000K Selectable	BLANK = None IS = Integrated Sensor EB = Battery Backup CP = Chicago Plenum NLS = DLC Network Lighting Sensor

### SINGLE WATTAGE WITH SELECTABLE CCT

DT = Direct Troffer	F = Frosted	4 = 2' x 4'	U = 120-277V	ZD = 0-10V Dimming	26 = 3800L 22 = 3200L 55 = 8300L 45 = 7200L	CCT = 3500/4100/5000K Selectable	BLANK = None IS = Integrated Sensor EB = Battery Backup CP = Chicago Plenum NLS = DLC Network Lighting Sensor
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### Accessories:

Item Number	Description
YHANGER6PK	Y FIT CABLE HANGER 6 PACK (HANGS 3 UNITS)
DTSK4	SURFACE MOUNT KIT FOR 2X4 PANELS
DTFLK4	RECESS MOUNT FLANGE KIT FOR 2X4 PANELS
ISREMOTE	REMOTE FOR INTEGRATED SENSOR
DTQD4D1SN	REPLACEMENT DRIVER FOR 2X4 PANEL
DTQD4D1SSN	REPLACEMENT DRIVER FOR 2X4 PANEL WITH SENSOR

<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 120-277V +/- 10%.

Specifications subject to change without notice.

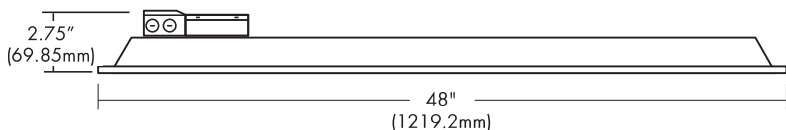
For the most up-to-date specs and warranty information, please visit [www.tcpi.com](http://www.tcpi.com)





# 2x4 Select Series LED Direct Troffers

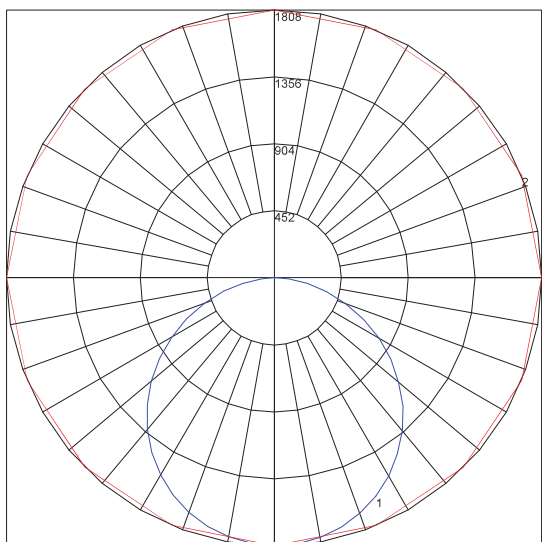
## Dimensions and Mounting Data



## Photometric Report

Based on photometric data for  
TCP Item # DTF4UZDSW3CCT (46W, 41K)

### Polar Graph



Maximum Candela = 1808.2 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

### Average Luminance candelas/square meter (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2333	2317	2318
55	2254	2237	2229
65	2125	2092	2083
75	1904	1866	1822
85	1499	1470	1394

Spacing Criterion (0-180): 1.28

Spacing Criterion (90-270): 1.28

Specifications and dimensions subject to change without notice.

## Coefficients of Utilization – Zonal Cavity Method

### Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	85	83	81	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69	64	60	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	52	47	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	44	39	50
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43	37	32	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37	31	26	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	27	22	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29	23	18	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26	20	15	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	18	13	24

## Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	661.93	N.A.	12.70
0-30	1407.56	N.A.	26.90
0-40	2309.2	N.A.	44.20
0-60	4094.49	N.A.	78.40
0-80	5115.44	N.A.	97.90
0-90	5222.48	N.A.	100.00
10-90	5051.35	N.A.	96.70
20-40	1647.27	N.A.	31.50
20-50	2584.72	N.A.	49.50
40-70	2431.84	N.A.	46.60
60-80	1020.95	N.A.	19.50
70-80	374.40	N.A.	7.20
80-90	107.04	N.A.	2.00
90-110	0.62	N.A.	0.00
90-120	0.62	N.A.	0.00
90-130	0.62	N.A.	0.00
90-150	0.67	N.A.	0.00
90-180	1.55	N.A.	0.00
110-180	0.94	N.A.	0.00
0-180	5224.04	N.A.	100.00

Total Luminaire Efficiency = N.A.%

TCP®

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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](http://www.designlights.org/qpl).



5 YEAR WARRANTY

# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

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:

Date:

Model:

Project:

Rep:

Catalog Number:

Type:

Notes:



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

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