

LED General Purpose Strip Luminaires

Product Specifications



TCP's LED General Purpose Strip Luminaires are designed to efficiently deliver robust performance while maximizing savings.

These integrated LED luminaires significantly reduce energy consumption compared to fluorescent systems, providing instant energy savings and potential utility rebates where available. A long 50,000 hour rated life significantly decreases maintenance labor and material costs over the life of the fixture.

TCP's General Purpose Strip incorporates a ribbed, frosted white diffuser lens to protect the LEDs and minimize glare, while delivering bright, uniform light.

Reasons to choose the LED General Purpose Strip Luminaires from TCP

- Uses up to 58% less energy than traditional fluorescent systems for instant energy savings and potential rebate eligibility
- 50,000 hour rated life minimizes replacements and labor costs
- 0-10V dimming driver comes standard for smooth, continuous dimming
- Excellent color consistency and CRI enhances color of focal point while maintaining uniformity throughout lighting installation
- Mercury-free construction is great for all environments
- Surface mount, suspended or pendant installation options makes it easy to install in both new and retrofit applications

Ideal Applications

- General Lighting
- Task Lighting
- Aisles
- Warehouses
- Storage
- Manufacturing Facilities
- Retail

Applications

TCP's LED General Purpose Strip Luminaire delivers bright, uniform light and long life, with the benefits of energy savings and low maintenance. Applications include general lighting, task lighting, aisles, warehouses, storage, manufacturing facilities and retail spaces.

Construction

- Visually appealing slim, low-profile design
- Heavy duty aluminum housing
- Durable UV stabilized powder coat finish
- Easy surface mount, suspended or pendant installation

Electrical

- Universal 120-277V
- 0-10V dimming (standard)
- Long 50,000 hour rated life
- cULus damp location rated
- Optional emergency back-up
- Optional occupancy sensors with daylight harvesting (sold separately)

Optics

- Durable ribbed, frosted white diffuser lens
- Glare-free light distribution

Item Number	
Notes	Type
	
Listings cULus Listed – damp location rated RoHS Compliant DLC v5.0 Premium	Installation Surface, suspended or pendant mounted Before installation, please consult your local ordinances and building codes for compliance
Warranty Five year limited warranty against defects in manufacturing	

Catalog Ordering Matrix Example: TCPGPS4UZDA840K

TCP		U	ZD		8			
BRAND	SIZE	VOLTAGE	CONTROLS	LUMEN PACKAGE (POWER) ^{1,2}	CRI	CCT	FACTORY INSTALLED OPTIONS	FACTORY INSTALLED CONTROL OPTIONS
TCPGPS – General Purpose Strip	2 – 2 feet	U – 120V-277V	ZD – 0-10V Dimming	A – 2,500L (20W)	8 – 80	35K – 3500K 40K – 4000K 50K – 5000K	BLANK – No Options	BLANK – No Controls LS1 – PIR Motion Sensor LS1D – PIR/ Daylight Sensor
	4 – 4 feet	U – 120V-277V	ZD – 0-10V Dimming	A – 4,200L (32W) B – 2,300L (18W) E – 5,200L (40W) F – 5,720L (44W)	8 – 80	35K – 3500K 40K – 4000K 50K – 5000K	BLANK – No Options EB – Battery Backup	BLANK – No Controls LS1 – PIR Motion Sensor LS1D – PIR/ Daylight Sensor
	8 – 8 feet	U – 120V-277V	ZD – 0-10V Dimming	A – 8,500L (65W) B – 4,900L (38W) E – 10,400L (80W) F – 11,400L (88W)	8 – 80	35K – 3500K 40K – 4000K 50K – 5000K	BLANK – No Options EB – Battery Backup	BLANK – No Controls LS1 – PIR Motion Sensor LS1D – PIR/ Daylight Sensor

¹ EB not available on 2ft model

INDICATES BREX EXPRESS



ACCESSORIES (Ordered Separately; Sensors can be installed at the factory)

TCPGPS4LENS – GP Strip and Retrofit Lens 4FT Section

LS1 – Leviton PIR Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V or 347V

LS1D – Leviton PIR Occupancy Sensor w/Daylight Harvesting, 40' or less, 120V, 277V or 347V

GPSENDCON – Connector to join General Purpose Strips end-to-end

Lumen Maintenance Factor

	36,000 hours ¹	50,000 hours ²	100,000 hours ²	Reported L ₇₀ (hours) ¹
TCPGPS2UZDA8xxK	90.61%	86.90%	74.82%	>36,000
TCPGPS4UZDA8xxK	90.61%	86.90%	74.82%	>36,000
TCPGPS8UZDA8xxK	90.61%	86.90%	74.82%	>36,000

¹ IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration of 6,000 hours.

² IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration of 6,000 hours.

¹ Actual wattage may vary by +/- 10%.

² Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.



Specifications

Input Line Voltage	120-277 VAC
Input Line Frequency (Hz)	50/60HZ
Lumens / Wattage (W)	
A Package:	
2 ft:	2,600L (20W)
4 ft:	4,200L (32W)
8 ft:	8,500L (65W)
B Package:	
4 ft:	2,300L (18W)
8 ft:	4,900L (38W)
E Package:	
4 ft:	5,200L (40W)
8 ft:	10,400L (80W)
F Package:	
4 ft:	5,720L (44W)
8 ft:	11,400L (88W)
Lumens per Watt (LPW).....	>130 LPW
Color Temperature (CCT)	3500K, 4000K & 5000K
Dimming	0-10V (standard)
Controls.....	Occupancy sensor w/ daylight harvesting (optional)
Rated Life.....	>50,000 hours
Operating Temperature.....	-20°C to 50°C
CRI.....	80+
Power Factor	>0.9
THD.....	<20%



Warranty

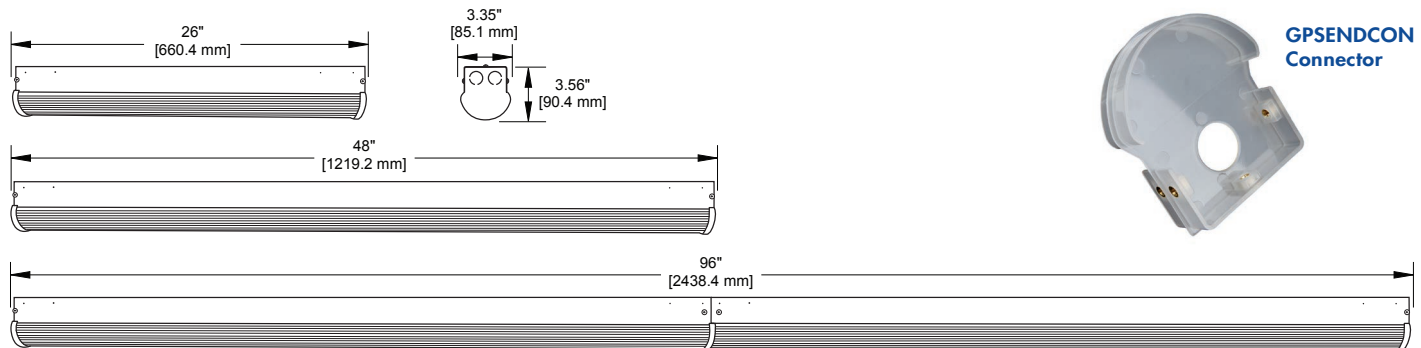
Five year limited warranty against defects in manufacturing

Replacement Comparison

SYSTEM	BALLAST FACTOR	INPUT WATTS*	LED ENERGY SAVINGS
TCP LED Strip Luminaire – 2 FT	—	20W	—
2 Lamp 17W T8	1.0	33	39%
TCP LED Strip Luminaire – 4 FT	—	32W	—
2 Lamp 32W HBF	1.18	65	51%
2 Lamp 32W NBF	0.88	59	46%
TCP LED Strip Luminaire – 8 FT	—	65W	—
4 Lamp 32W T8 HBF	1.18	153	58%
4 Lamp 32W T8 NBF	0.88	112	42%

*ACTUAL WATTAGE MAY DIFFER BY +/-10% WHEN OPERATING BETWEEN 120-277V.

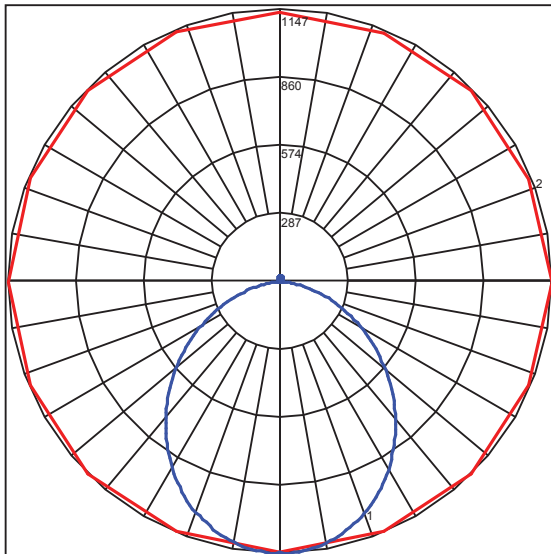
Dimensions and Mounting Data



Photometric Report

Based on photometric data for
TCP Item # TCPGPS4UZDA850K

Polar Graph



Maximum Candela = 1147.2 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

Spacing Criterion (0-180): 1.18

Spacing Criterion (90-270): 1.3

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
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	104	98	93	89	100	95	90	86	88	85	81	82	79	77	77	75	72	69
2	94	85	77	71	90	82	75	69	76	71	66	71	67	62	67	63	59	56
3	85	74	65	58	82	71	63	57	67	60	54	62	57	52	58	54	50	47
4	78	65	56	49	75	63	55	48	59	52	46	55	49	44	52	47	42	40
5	71	58	49	42	68	56	48	41	53	45	40	50	43	38	47	41	37	34
6	66	52	43	36	63	51	42	36	48	40	35	45	38	33	42	37	32	30
7	61	47	38	32	59	46	37	32	43	36	30	41	34	29	39	33	28	26
8	57	43	34	28	55	42	34	28	40	32	27	37	31	26	35	30	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	33	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	415.69	N.A.	10.20
0-30	878.65	N.A.	21.50
0-40	1434.12	N.A.	35.10
0-60	2550.13	N.A.	62.40
0-80	3357.43	N.A.	82.20
0-90	3610.82	N.A.	88.40
10-90	3502.91	N.A.	85.70
20-40	1018.43	N.A.	24.90
20-50	1596.47	N.A.	39.10
40-70	1571.34	N.A.	38.50
60-80	807.30	N.A.	19.80
70-80	351.97	N.A.	8.60
80-90	253.40	N.A.	6.20
90-110	299.66	N.A.	7.30
90-120	374.85	N.A.	9.20
90-130	416.03	N.A.	10.20
90-150	457.55	N.A.	11.20
90-180	474.61	N.A.	11.60
110-180	174.95	N.A.	4.30
0-180	4085.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %