Luxterior by TCP

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 enhance focal point color while maintaining uniformity throughout lighting installation
- Mercury-free construction is great for all environments
- Surface mount, suspended or pendant installation options make it easy to install in both new and retrofit applications

Ideal Applications

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

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DLC QPL LISTED

5 YEAR WARRANTY

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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.

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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 2 Lamp 32W NBF	1.18 0.88	65 59	51% 46%
TCP LED Strip Luminaire – 8 FT	–	**65W**	–
4 Lamp 32W T8 HBF 4 Lamp 32W T8 NBF	1.18 0.88	153 112	58% 42%

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

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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 v5.1 Standard

Warranty

Five year limited warranty against defects in manufacturing

Installation

Surface, suspended or pendant mounted

Before installation, please consult your local ordinances and building codes for compliance

Catalog Ordering Matrix

Example: TCPGPS4UZDA840K

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

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.

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5 YEAR WARRANTY

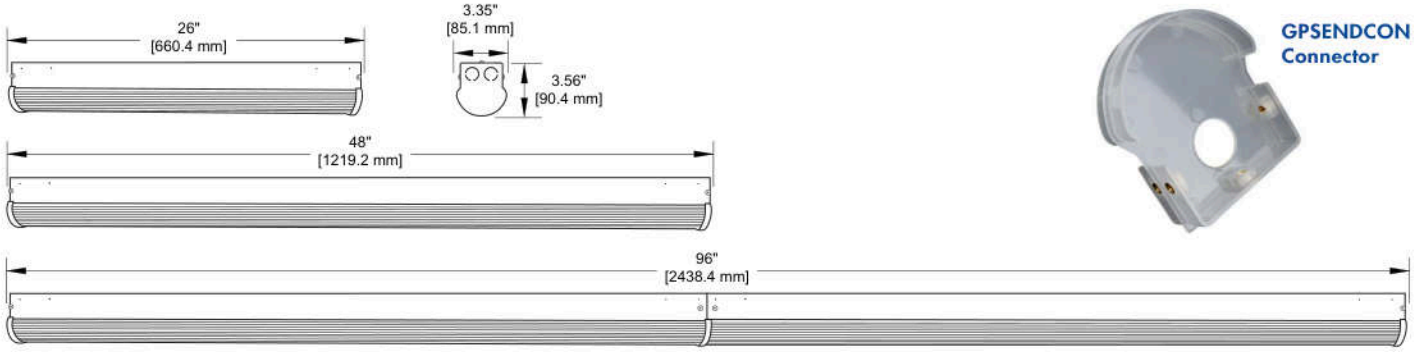
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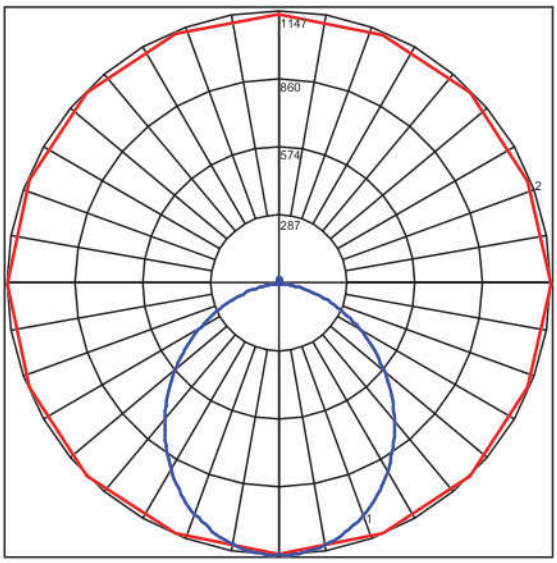
Dimensions and Mounting Data



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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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.%

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TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 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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