

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 along with the ability to take advantage of potential utility rebates. 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

- Up to 58% less energy than traditional fluorescent systems means 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

Specifications

| | |
|---------------------------------|--|
| Input Line Voltage | 120-277 VAC |
| Input Line Frequency (Hz) | 50/60HZ |
| Lumens / Wattage (W) | |
| A Package: | |
| 2 ft: | 2600 (20W) |
| 4 ft: | 4200 (32W) |
| 8 ft: | 8500 (65W) |
| B Package: | |
| 4 ft: | 2300 (18W) |
| 8 ft: | 4900 (38W) |
| C Package: | |
| 4 ft: | 3000 (23W) |
| E Package: | |
| 4ft: | 5200L (40W) |
| 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.

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

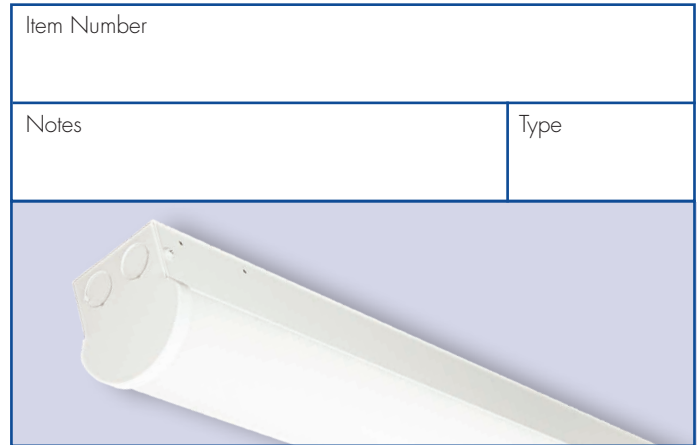
- Visually appealing slim, low-profile design
- Heavy duty aluminum housing
- Durable UV stabilized powder coat finish
- Easy surface mount, suspended or pendant installation

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

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

| TCP | GPS | | U | ZD | | 8 | | |
|-------|-----------------------------|--|---------------|----------------------|---------------|--------|---|---|
| BRAND | PRODUCT ID | SIZE | VOLTAGE | CONTROLS/ DIMMING | LUMEN PACKAGE | CRI | COLOR TEMPERATURE | OPTIONS |
| TCP | GPS – General Purpose Strip | 2 – 2 foot 4 – 4 foot 8 – 8 foot | U – 120V-277V | ZD – 0-10V Dimming | A | 8 – 80 | 35K – 3500K 40K – 4000K 50K – 5000K | LS1 – PIR Motion Sensor LS1D – PIR / Daylight Sensor EB – Emergency Back-Up (Not available in 2ft) |
| TCP | GPS – General Purpose Strip | 4 – 4 foot 8 – 8 foot | U – 120V-277V | ZD – 0-10V Dimming | B | 8 – 80 | 35K – 3500K 40K – 4000K 50K – 5000K | LS1 – PIR Motion Sensor LS1D – PIR / Daylight Sensor EB – Emergency Back-Up |
| TCP | GPS – General Purpose Strip | 4 – 4 foot | U – 120V-277V | ZD – 0-10V Dimming | C | 8 – 80 | 35K – 3500K 40K – 4000K 50K – 5000K | LS1 – PIR Motion Sensor LS1D – PIR / Daylight Sensor EB – Emergency Back-Up |
| TCP | GPS – General Purpose Strip | 4 – 4 foot 8 – 8 foot | U – 120V-277V | ZD – 0-10V Dimming | E | 8 – 80 | 35K – 3500K 40K – 4000K 50K – 5000K | LS1 – PIR Motion Sensor LS1D – PIR / Daylight Sensor EB – Emergency Back-Up |

¹ EB not available on 2ft model

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

Performance Data

| LENGTH | LUMEN PACKAGE | WATTAGE ¹ | LUMENS ² | LPW | CRI | DIMENSIONS |
|--------|---------------|----------------------|---------------------|------|-----|---------------------|
| 2 FOOT | A | 20 | 2600 | >130 | 80+ | 26" X 3.35" X 3.56" |
| 4 FOOT | A | 32 | 4200 | >130 | 80+ | 48" X 3.35" X 3.56" |
| | B | 18 | 2300 | | | |
| | C | 23 | 3000 | | | |
| | E | 40 | 5200 | | | |
| 8 FOOT | A | 65 | 8500 | >130 | 80+ | 96" X 3.35" X 3.56" |
| | B | 38 | 4900 | | | |
| | E | 75 | 9750 | | | |

¹ Actual wattage may vary by +/- 10%.

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

Lumen Maintenance Factor

| | 36,000 hours ¹ | 50,002 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.

TCP®

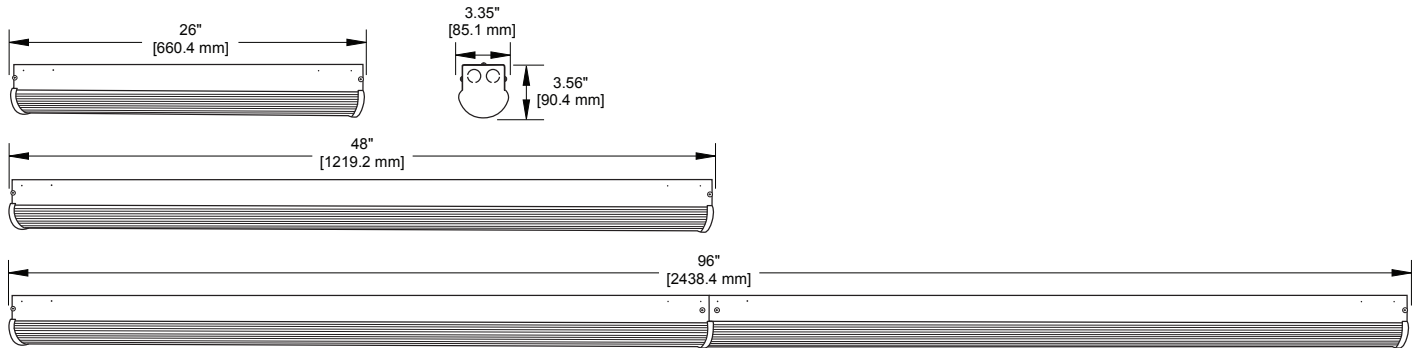
325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcp.com



5 YEAR WARRANTY

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.

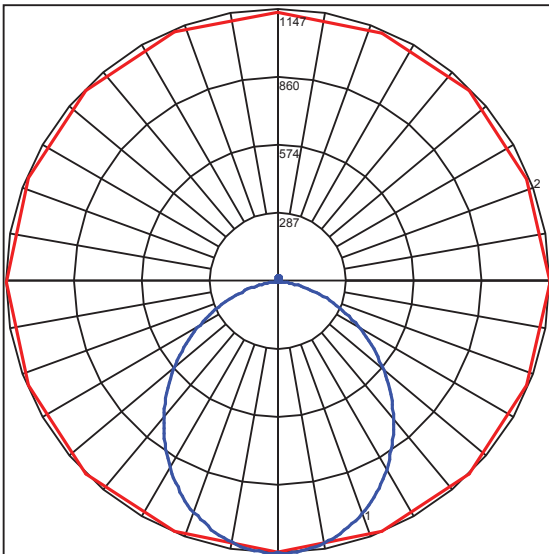
Dimensions and Mounting Data



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.)

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. %

Specifications and dimensions subject to change without notice.