



Corrosion Resistant Series LED Lamp

DESCRIPTION

Starco's corrosion resistant TLED lamps are designed to handle some of the more extreme environments found in the commercial and industrial environments. They are a cost-effective solution that achieves maximum energy-savings while providing best-in-class quality and durability. Starco's TLED lamps achieve the highest efficacies on the market and provide an unparalleled quality of light. Our robust electronics withstand extensive voltage surges and perform under heavy duress and high ambient temperatures. The Corrosion Resistant TLED lamps have PBT end-caps with a PET film that wraps around the polycarbonate lens ensuring that the lamp last in the most extreme oil-based mist environments.

Project:	
Type:	
Note:	



SPECIFICATION FEATURES

Construction & Materials

- Extruded aluminum heatsink maximizes LED lifetime and provides optimal performance
- Durable frosted UV-resistant Polycarbonate tube
- V-0 classified Polycarbonate end caps
- Aluminum LED board maximizes heat dissipation
- Tube covered by Polyethylene Terephthalate (PET)
- End-caps are Polybutane Terephthalate (PBT)
- No Ventilation holes and soldered pins.
- Meets NSF requirements

Electrical System

- High efficiency single end powered driver
- Input Voltage: 110-277V, 50/60Hz
- Operating Temperature: -20°C (-4°F) to 40°C (104°F)
- UL Type B direct voltage
- Efficacy: 130 lm/w
- Wattage: 4ft-22W, 8ft-36W
- Power Factor: >0.90
- Total Harmonic Distortion: <15%
- Surge Protection: 1.5kV
- FCC Compliant
- Fast-Fuse Technology

Optical System

- Polycarbonate optics with PET film provides even distribution.
- Frosted PET maximize glare reduction. Beam angle is 240°.

Controls

- On/Off with occupancy sensor
- Support multi level on/off control
- Lamp is not dimmable.

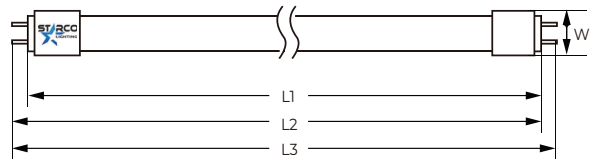
LED

- CRI: 82+
- CCT: 3000K, 3500K, 4000K, 5000K
- Calculated L₇₀ Lifetime: 186,000 hours @ 25°C
- L₉₀ Lifetime: 58,000 hours @ 25°C
- Gold wire bonding LED chip

Warranty

- 5 Years

DIMENSION



Model	L1		L2		L3	W	Unit
	MAX	MIN	MAX	MAX	MAX		
4 ft	47.22	47.41	47.50	47.78	1.14	inch	
1200mm	1199.4	1204.1	1206.5	1213.6	29.0	mm	
8 ft	93.3	93.65	93.42	94.00	1.14	inch	
2400mm	2374.3	2381.4	2379	2388.5	29.0	mm	



ORDER INFORMATION

CORROSION RESISTANT SERIES TLED LAMP

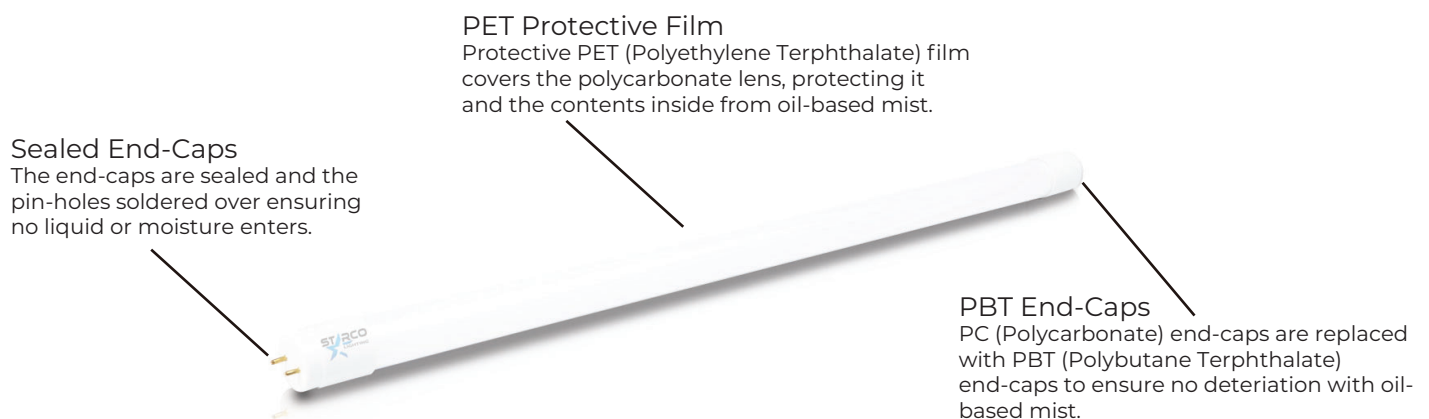
Example: SL-T8-22-C-4-40-B

SL						
Series	Type	Wattage	Optics	Size	CCT	Series
SL =Starco Lighting	T8 =T8 Lamp	22 =22W 36 =36W	C =Clear	4 =4ft 8 =8ft	30 = 3000K 40 = 4000K 50 = 5000K	B =Corrosion Resistant Series
Accessories						
SL-T8K-xF =Fused Wiring Kits, x-number of sockets SL-T8K-xF-y =Other Wiring Kits, y-model of specialty socket SL-T8K-0 =AAG-3249 Standard G13 Socket, solid rotary 120-277V STB-x-T8-N-F =Bracket kit, x-2 or 3 for 2lamp or 3lamp, F for Fuse SL-T8K-8R4 =2 lamp Strip Bracket Kit				SL-T8K-F =In-line Fuse SL-TH-T8 =Magnetic Holder G13R17D =G13 to R17 Adapter Label-DY =Danger Label - Yellow Label-SS =Safety Label - Silver		

PERFORMANCE DATA

Model	Wattage	CCT	Size	Efficacy	Lumen Output
SL-T8-22-C-4-40-B	22	4000K	4'	130	2860
SL-T8-22-C-4-50-B	22	5000K	4'	130	2860
SL-T8-36-C-8-40-B	36	4000K	8'	130	4680
SL-T8-36-C-8-50-B	36	5000K	8'	130	4680

DESIGN DATA



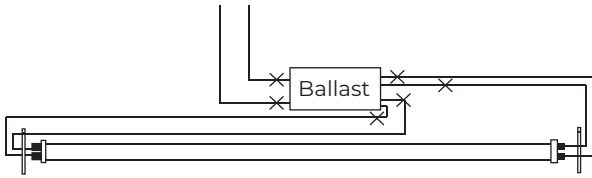
Created for oil-based mist areas (e.g. cnc machine areas that use and oil-based mist coolant) that would deteriorate polycarbononate, including TLEDs lamps, within months causing cracking and bending leading to falling and/or failure.

Installation

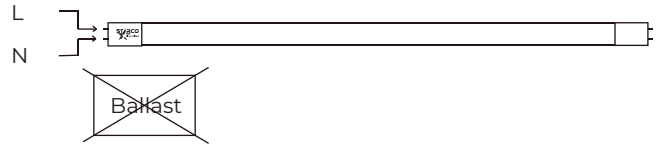
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Wiring Diagram

1. Cut off ballast



2. Single lamp wiring



Kit Accessories

Fast-Fuse Socket Kit - SL-T8K-xF & SL-T8K-xF-y

Starco's TLED lamps work with Starco's Fast-Fuse Socket Kits. These prewired harnesses offer a fast and robust installation process that adds safety and security to a facility's lighting infrastructure. The Fast-Fuse Socket Kits reduce installation time significantly and enable installers to move from fixture to fixture at a steady pace, saving on labor costs. The integrated fuse system mitigates risks involving electrical shorts, arcs, defective sockets, faulty wiring and mistaken replacement of fluorescent lamps.

U-Tube Retrofit Kit - STB-x-T8-N-F

Prewired troffer brackets are designed for simple, safe and trouble free installation. Mounting is easy with slots replacing holes and flexible placement within the existing fixture. The brackets can be mounted either on the inside at the top or on the end cap of the existing troffer.

Variety of Sockets- SL-T8K-x

There is a variety of different lamp holders in existing fluorescent fixtures nowadays. Starco offers a wide variety of lamp holders to meet your fixture requirement.

Fast-Fuse Kit - SL-T8K-F

Prewired inline fuse kit with pigtail and quick disconnect is in compliance with NEC 410.130(G) and adds safety to the circuit. Use this kit when the existing sockets are not necessary to change.



Emergency Inverter

Starco's Emergency Lighting Inverter is designed for use with any direct voltage connected to Starco's LED lighting products. The output voltage is 170VDC. The emergency lighting inverter can provide power to Starco TLED T8 lamps for over 90 minutes.



Occupancy Sensor

Starco's TLED lamp works with the Legrand Wattstopper® photo/motion sensor that provides more energy savings without sacrificing performance. The lamps can be set as multi level control.



HBP-111, HBP-112, FSIR-100