



## GOLD SERIES TLED LAMP

### DESCRIPTION

The Gold series TLED Lamp inherits Starco's traditional shatterproof gene. The lamp is made with UV-resistant extruded polycarbonate and enables Starco's TLED lamp to be ductile and durable. Equipped with high efficient LEDs, the Gold series TLED lamp can achieve up to 175 lumen per watt and provide an unparalleled quality of light. Our robust electronics withstand extensive voltage surges and perform under heavy duress and high ambient temperatures. This product works with Starco's innovative Fast-Fuse socket kits, which delivers a quick and easy installation.

### SPECIFICATION FEATURES

#### Construction & Materials

- Extruded aluminum heatsink maximizes LED lifetime and provides optimal performance
- Durable frosted or clear UV-resistant polycarbonate tube
- Heavy gauge V-0 flammability classified polycarbonate end caps
- Aluminum LED board maximizes heat dissipation
- No glass or mercury is used. Lamp is fully recyclable.

#### Electrical System

- High efficiency single end powered driver
- Input Voltage: 110-277V, 50/60Hz
- Operating Temperature: -20°C (-4°F) to 45°C (113°F)
- UL Type B direct voltage
- Efficacy up to 175 lm/w
- Wattage: 9W to 28W
- Power Factor: >0.90
- Total Harmonic Distortion: <15%
- Surge Protection: 1.5kV
- FCC Compliant
- Fast-Fuse Technology
- Beam Angle: 240°

#### Optical System

- High impact polycarbonate optics provides even distribution
- Frosted lens 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: 70+, 80+, 90+
- CCT: 3000K, 3500K, 4000K, 5000K
- Calculated  $L_{70}$ : 189,900 hours @ 25°C
- Reported  $L_{90}$ : 58,000 hours @ 25°C

#### Warranty

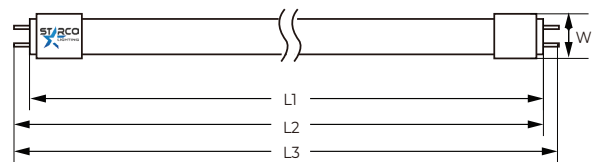
- 8 Years

Project:	
Type:	
Note:	



### DIMENSION

#### G13 Base



Model	L1	L2		L3	W	Unit
	MAX	MIN	MAX	MAX	MAX	
2 ft	23.61	23.71	23.75	23.89	1.14	inch
600mm	599.5	602.1	606.3	606.8	29.0	mm

Model	L1	L2		L3	W	Unit
	MAX	MIN	MAX	MAX	MAX	
3 ft	35.22	35.41	35.50	35.78	1.14	inch
900mm	894.6	899.3	901.7	908.8	29.0	mm

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



## ORDER INFORMATION

## GOLD SERIES TLED LAMP

Example: SL-T8-13-P-4-40-G

SL						
Series	Type	Wattage	Optics	Size	CCT & CRI	Series
<b>SL</b> =Starco Lighting	<b>T8</b> =T8 Lamp	<b>09</b> =9W <b>10</b> =10W <b>13</b> =13W <b>15</b> =15W <b>18</b> =18W <b>22</b> =22W <b>28</b> =28W	<b>P</b> =Frosted <b>C</b> =Clear	<b>2</b> =2ft <b>3</b> =3ft <b>4</b> =4ft	<b>70 Plus CRI</b> <b>47</b> = 4000K <b>57</b> = 5000K  <b>80 Plus CRI</b> <b>30</b> = 3000K <b>35</b> = 3500K <b>40</b> = 4000K <b>50</b> = 5000K  <b>90 Plus CRI</b> <b>39</b> = 3000K <b>49</b> = 4000K <b>59</b> = 5000K	<b>G</b> =Gold Series
Accessories						
<b>SLHB5VKCS</b> =3ft hanging chain <b>AC10</b> =10ft aircraft cable/hook <b>AC15</b> =15ft aircraft cable/hook <b>WP10</b> =10ft Whip 16AWG <b>L7-15PLUG</b> =277V Twist Lock L7-15P plug <b>HBP-111-L7</b> =Occupancy Sensor <b>PC-1-LC-3-6</b> =120V PLUG-N-GO and 6' whip and 3 conductors <b>PC-2-LC-5-3</b> =277V PLUG-N-GO and 3' whip and 5 conductors <b>FSIR-100</b> =Sensor Remote Controller						

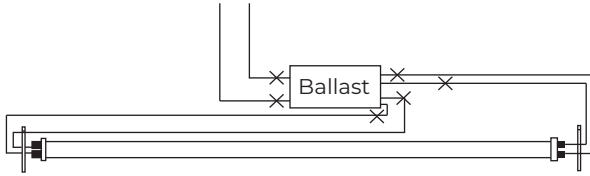
## Performance Table

Wattage	Size	70 CRI @4000K / 5000K		Lens
		Lumens	Efficacy	
09	2'	1575	175	Clear
09	2'	1530	170	Frosted
13	3'	2275	175	Clear
13	3'	2210	170	Frosted
10.5	4'	1837	175	Clear
10.5	4'	1785	170	Frosted
13	4'	2275	175	Clear
13	4'	2210	170	Frosted
15	4'	2625	175	Clear
15	4'	2550	170	Frosted
18	4'	3060	170	Clear
18	4'	2970	165	Frosted
22	4'	3520	160	Clear
22	4'	3410	155	Frosted
28	4'	4340	155	Clear
28	4'	4200	150	Frosted

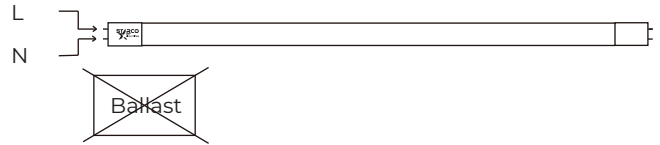
CRI	CCT	OUTPUT
<b>70</b>	5000K	100%
	4000K	100%
<b>80</b>	5000K	95%
	4000K	94%
	3000K	85%
<b>90</b>	5000K	86%
	4000K	85%
	3000K	78%

## Wiring Diagram

### 1. Cut off ballast



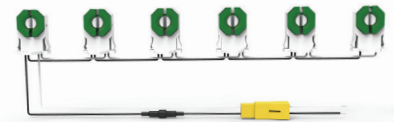
### 2. Single lamp wiring



## Kit Accessories

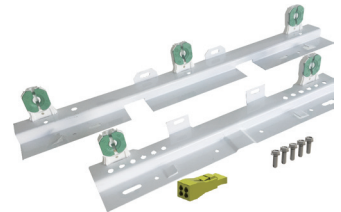
### Fast-Fuse Socket Kit

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-Bend Retrofit Kit

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

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

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