

## VPLSL-5-LED-TXF

### Industrial Vapor Proof LED String Light - 5 Drop Lights - Inline Stepdown Transformer

Product ID: 147010

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

#### VPLSL-5-LED-TXF String Lights w/ Inline Transformer

Listing: United States

Lamp Type: LED

Dimensions: Lamp Only- L-8.98" 2.27" Width

Total Watts: 50 watts

Input Voltage: 120V-277V AC50/60 Hz

Output Voltage: 12V or 24V DC

Total Length: 75`

Mounting: Aluminum Hook

Wiring: 40` 12/3 SOOW Backbone, 10` Spacing between each unit, 3` 14/3 SOOW Drops, 25` 12/3 SOOW between backbone & XMFR, 10` 16/3 SOOW line-in

#### Features

Vapor Proof

Wet Area Approved

High Output 10 Watt LED Lamps

40` Backbone

#### Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

#### **Made in the USA**

The Larson Electronics VPLSL-5-LED-TXF Vapor Proof LED String Light with Inline Transformer is constructed and certified to prevent water and/or moisture from entering the handle and/or head when used as instructed in wet locations. The 10 watt LED lamps on this this vapor proof light set provide more and higher quality light than 100 wattage incandescent lights while creating less heat and using less power. This 50-watt string light set is suitable for wet areas and sealed against internal contamination.

This vapor proof string light consists of five industrial grade vapor proof hand lamps with 10 feet of 12/3 SOOW cable between each unit. This vapor proof LED

string light is connected to power via an integrated 50 foot cable terminated with a standard 5-15 straight blade plug. Each vapor proof (water tight) trouble light is equipped with a high output LED bulb which delivers approximately 70% more light output than a 100 watt incandescent. The 10 watt LED bulb draws less than 10% the electrical power of a standard 100 watt bulb, making it suitable for standard voltage and low voltage applications.

The VPLSL-5-LED-TXF features an inline transformer that steps the voltage of the unit from 120-240V AC down to 12V or 24V DC. A 25 foot tail section of main SOOW cord is included to allow ample length for connection to the inline stepdown transformer. The transformer is encapsulated in a NEMA 3R enclosure, is equipped with a 10 foot line in cable, and equipped with an industrial grade plug.

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[Click Photo to Enlarge](#)

These vapor proof lights are water tight and suitable for use in wet locations. Each light has a stainless steel mesh guard enclosure that provides protection for the glass dome and a stainless hook that allows operators to hang these tasks lights overhead. In order to meet OSHA regulations, this vapor proof LED string light must be plugged into a GFI protected outlet. Each vapor proof LED string light is equipped with an outlet, enabling the operator to connect several strings together. There are limits to how many strings can be interconnected based on the overall amp draw, power source, etc. Each LED trouble light has an effective range that approximately covers a 5 to 8 foot radius with 10-15 foot candles of light.

**LED Benefits:** Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life. LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

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5-15 Straight Blade Plug  
15 Amp / 125V Rated



L5-15 Twist Lock Plug  
15 Amp / 125V Rated



L6-15 Twist Lock Plug  
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug  
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug  
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

**Wiring:** This unit is equipped with 25' 12/3 SOOW cord leading to an inline step down transformer. Ten feet of 16/3 SOOW cord coming out of the inline transformer, and is terminated in an industrial grade cord cap. This inline power supply for this string light is an auto sensing universal voltage transformer that operates on any voltage within the 100-277 volts AC 50/60Hz range. This unit allows operators to power the string light from any 120-277V AC power source, and steps down AC voltage to 24V DC. Plug options include standard 5-15 straight blade plug for 110V wall outlets with ground, NEMA L5-15 twist lock plug for 125V twist lock outlets, NEMA L6-15 twist lock plug for 240V twist lock outlets, BS1363 3-blade plug for United Kingdom outlets, and a two pin Schuko plug for European outlets.

This unit is multi-voltage and configured to operate on 120-277V AC stepped down to 12V or 24V DC, please choose your configuration below. These LED string lights provide more and better quality illumination than 100 watt incandescent string lights without the high heat and fragile glass construction of traditional lamps. These LED lamps are suitable for wet areas, extremely long lived, resistant to damage from impacts and vibrations, and consume far less energy than standard lamps.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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### Lamp Features

- 10 watt LED Lamps
- Vapor Proof Construction
- No Ballast
- Steel Globe Guards
- 120-277 VAC Stepped Down to 12V or 24V DC Operation
- Durable LED construction resists damage from impacts and vibrations
- Hanging hook for hanging and hands free operation
- 40 Feet of 12/3 SOOW Cable



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## Frequently Asked Questions (FAQ)

**VPLSL-5-LED-TXF**

**Product ID: 147010**

**Harmonized System (HS) Code: 9405.41.84.10**

**Export Control Classification Number (ECCN): EAR99**

**Options:**

**VPLSL-5-LED-TXF-Cord Cap-Output Voltage**

**Example: VPLSL-5-LED-TXF-5.15-12VDC**

| Cord Cap      |          |
|---------------|----------|
| 5-15 STRAIGHT | -5.15    |
| 6-15 STRAIGHT | -6.15    |
| L5-15 TWIST   | -L5.15   |
| L6-15 TWIST   | -L6.15   |
| UK BS1363     | -BS1363  |
| INTL SCHUKO   | -Schuko  |
| PIGTAIL       | -Pigtail |

| Output Voltage |        |
|----------------|--------|
| 12V DC         | -12VDC |
| 24V DC         | -24VDC |

Links (Click on the below items to view):

- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)