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WAL-STL-10-LED

100' Temporary Tunnel String Light - 10 LED Work Lamps - 277V - 12/3 SJTW Cable - L7-20 Twist Lock

Product ID: 105594

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.

WAL-STL-10-LED String Lights

Lamp Type: LED
Lamp Quantity: 250
Lamp Watts: 10 watts
Total Watts: 2,500 Watts
Lumens: 10,500 (1050 per lamp)
Voltage: 277V AC
Amp Draw (Single Unit): 0.36
Amp Draw (10 Units @ Half Mile): 9.03
Total Length Per Unit: 250`
Wiring: 10` 12/3* SJTW Cable Per Unit, 5` Whips
Cord Cap: NEMA L7-20P* and L7-20C*
Mounting: Eyelet for hook mounting
Shipping Dimensions: 12" x 12" x 24"
Shipping Weight: 45 lbs

Features

Lower Amp Draw
Wet Area Approved
High Output 10 Watt LED Lamps
Daisy Chain Connection (End to End)
Spans total length of 250`
10,500 Lumens of Total Illumination

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics WAL-STL-10-LED Temporary Tunnel LED Lighting String Light System is designed for high output illumination and daisy chain connections across a total length of 100` away from the power source. The 10 watt LED lamps on this this work site light set provide

more and higher quality light than 100 wattage incandescent lights while creating less heat and using less power. This LED light stringer operates on 277V AC and provides operators with a temporary work light solution for tunnels and underpasses up to half a mile in length.

******FREE SHIPPING OFFERS DO NOT APPLY TO THIS STRING LIGHT******

This temporary tunnel string light consists of 10 industrial grade LED lamps with 10` of 12/3 SJTW cable between each unit, stretching a total of 100` in length. This temporary LED string light is connected to a 277V power source via an integrated 5` line-in cable. Each globe light is equipped with a high output LED bulb which delivers more light output than a 100 watt incandescent. The 10 watt LED bulb draws 10% the electrical power of a standard 100 watt bulb, making it suitable for standard voltage and low voltage applications. Each LED light screws into a molded E26 lamp socket and the bulb is enclosed in a bird cage style plastic guard.

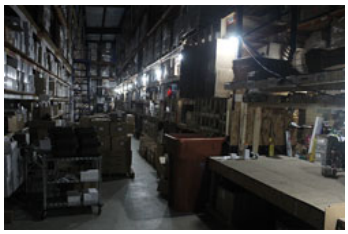
Ten high output A19 style LED lamps producing 1050 lumens per lamp provide a total of 10,500 lumens of bright white illumination. Each lamp housing is constructed from light weight aluminum, and fitted with an impact and shatter resistant polycarbonate diffuser. These LED light bulbs provide additional safety measures and time savings, given the low heat production and that it does not require replacing for 50,000 hours. Since the LED bulb uses solid state technology, the vibration (dropping, etc.) that degrades conventional incandescent bulbs is not an issue with these LED bulbs.



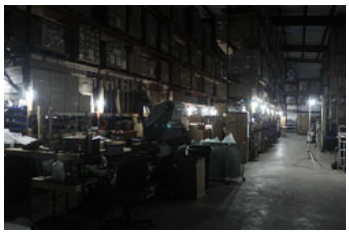




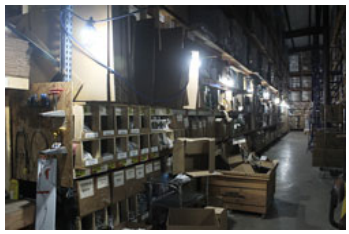
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Each light has a plastic mesh guard enclosure that provides protection for the enclosed bulb and a hook eyelet that allows operators to hang these tasks lights overhead. Utilizing energy efficient LED lamps, operators are able to provide more light coverage from the same amp draw, or lower the amp draw using the same amount LED lamps as incandescent. Each LED trouble light has an effective range that approximately covers a 5-8` radius with 10-15 foot candles of light. Unlike fragile incandescent and compact fluorescent lamps that are made from glass, these LED bulbs are extremely durable and can live up to the abuse of harsh working conditions. With a lamp life of 50,000 hours, operators are not constantly having to replace burnt out or broken lamps, reducing down time and lowering the amount of spare lamps required at the job site.

Multiple stringer sections can daisy chained together via 5` whips terminated in twist lock connectors, with a maximum of twenty-five stringers daisy chained together. Alternating hots along between each daisy chained unit allows these string lights to be connected together, up to 25 units end to end spanning half a mile in length drawing less than 10 amps. Previously, it would have been unrealistic to have a complete assembly reaching 2500` in length from a single point of power.

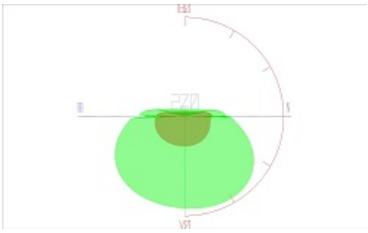
Stringer Energy Consumption Comparison

	Incandescent	CFL	LED

Wattage (single unit)	100 watts	26 watts	10 watts
Wattage (total)	1,000 watts	260 watts	100 watts
Amp Draw @ 277V AC	3.61 amps	0.94 amps	0.36 amps
Lamp Life Expectancy	1,500 hours	8,000 hours	50,000 hours
Color Temperature	2800K	4300K	6000K
Operation cost per day (12hs/day @ 12c/kWh)	$1.44	$0.38	$0.14
Operation cost per month (12hs/day @ 12c/kWh)	$43.20	$11.23	$4.32
Operation cost per year (12hs/day @ 12c/kWh)	$525.60	$136.66	$52.56

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

The LED lamps from Larson Electronics` are designed for longevity and durability. Many manufacturers offer plastic heat sinks, which will cause the LEDs and drivers to fail prematurely. These LED lamps use high quality cast aluminum heat sinks that have been engineered to properly disperse heat buildup created by the LEDs. This design ensures the LED lamps will continue to operate well after the 50,000 rated lamp life.



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Each high output LED lamp produces more light output than standard 100 watt rough serve lamps. The 3D polar distribution curve displays a standard 100 watt rough service incandescent lamp (red) in comparison to the LED-A19-10-E26-SML high output LED lamp (green) that is used in this work area string light. The LED lamp visible covers more than twice ground than the 100 watt rough service lamp, and the higher CRI of the LED lamp provides a better working environment. The cool white color temperature allows operators to see fine details that would not be clearly visible incandescent lighting.

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. This tunnel string light is configured to operate with 277 volt electrical current and is equipped with L7-20 male and female cord caps for twistlock connections. The LED lamps provide more and better quality illumination than 100 watt incandescent string lights without the high heat and fragile glass construction of traditional lamps. With the low energy requirements of LED lamps, half mile long assembly units are now physically possible.

Lamp Features

1. 10 Watt LED Lamps
2. 10 Lamps for a total of 100 watts spanning 100` in length.
3. 1,050 lumens per lamp for a total of 10,500 lumens.
4. High output LED lamps provide bright white illumination and better color rendering compared to the dingy yellow tint of traditional incandescent lamps.
5. Outdoor approved equipment.
6. No ballast, no flickering, instant on illumination

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.

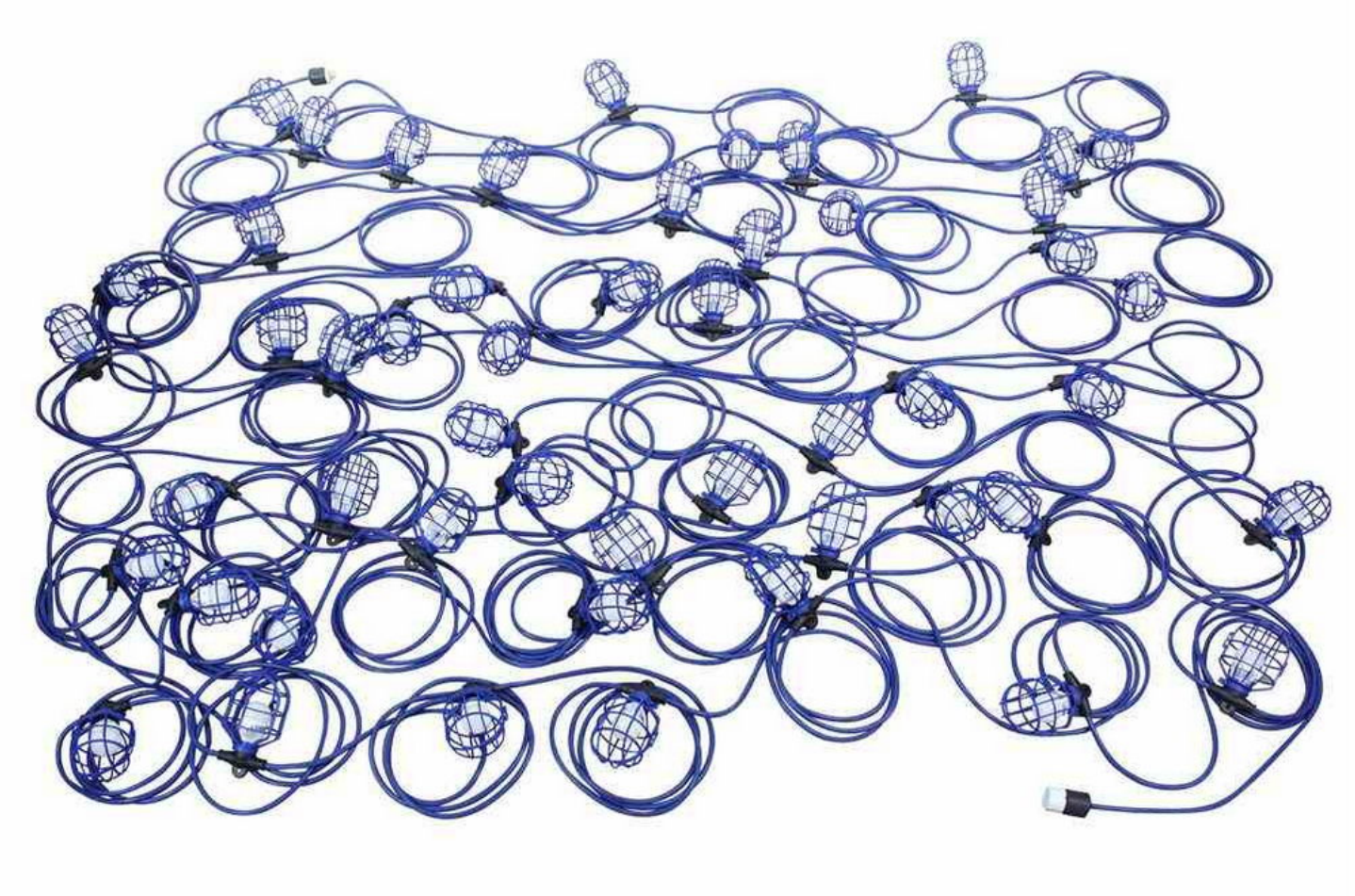
7. Cage plastic Guards for added protection
8. 277V AC Operation
9. Durable solid state LED construction resists damage from impacts and vibrations.
10. Hook eyelet for hanging and hands free operation.
11. 10` of 12/3 SJTW cable between each light.
12. 100` span of temporary LED work lighting.
13. Daisy chain operations allows connecting multiple stringers together for maximum work site illumination, while aiding in servicing, storage, and transport of the tunnel light system.
14. Energy efficient alternative to incandescent and compact fluorescent temporary string lights.

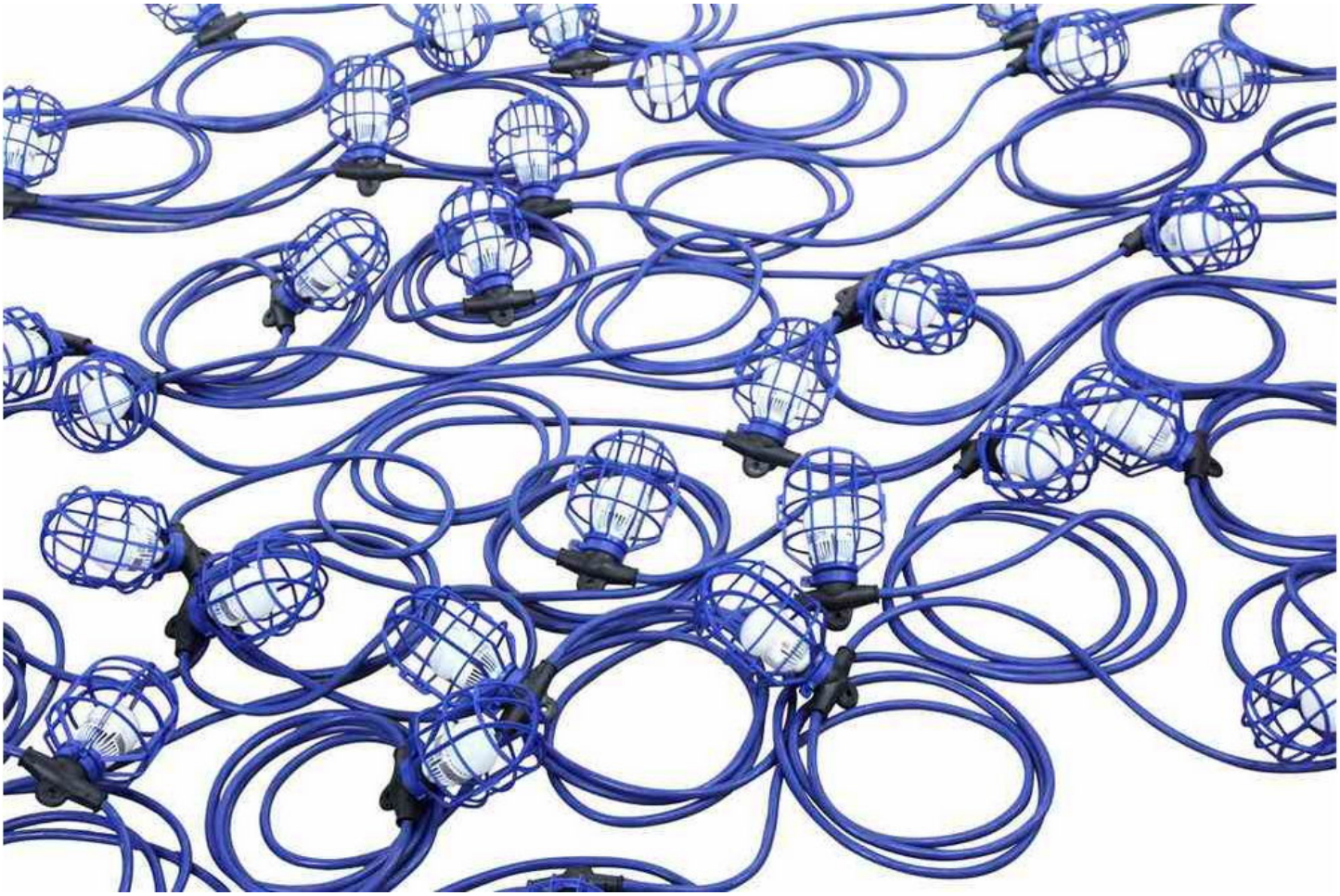
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)

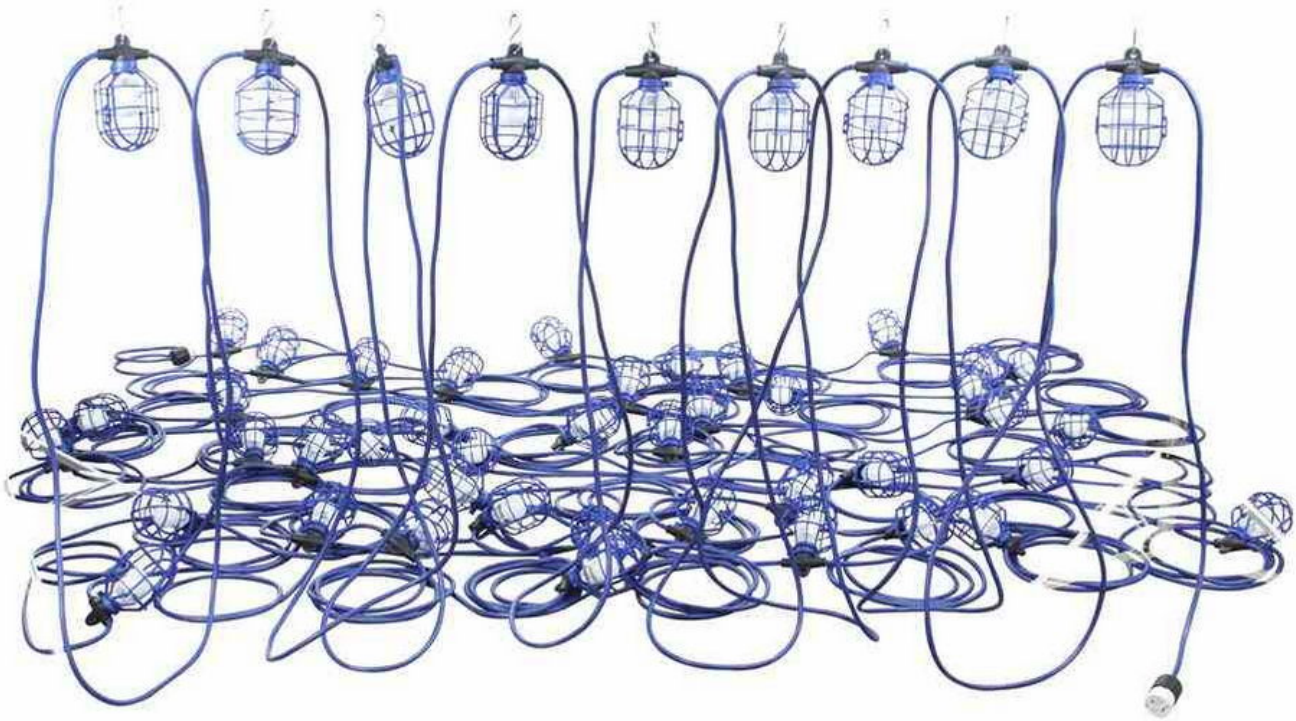






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Product ID: 105594

Warranty: 60 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

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- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map