

WAL-SL-10-LED

100ft Temporary Construction String Light - Ten LED Work Lamps - 100 Watt LED Stringer

Product ID: 69998

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-SL-10-LED String Lights

Lamp Type: LED

Total Watts: 100 watts

Watts per Lamp: 10 watts

Total Lumens: 10,500

Lumens per Lamp: 1,050

Luminous Efficiency: 105 lm/w

Voltage: 120V-277VAC - 12-28V AC/DC

Total Length: 106 Ft

Wiring: 10` 14/2 SJTW Cable Per Unit, 3 Foot Whips

Cord Caps: 5-10P and 5-10C

Mounting: Hook Eyelet w/ S Hooks

Features

Lower Amp Draw

Wet Area Approved

High Output 10 Watt LED Lamps

106 Foot Connecting Cord

End to End Connection

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics WAL-SL-10-LED Work Area Lighting LED String Light is designed for high output job site illumination. The 10 watt LED lamps on this work site light set provide more and higher quality light than 100 wattage incandescent lights while creating less heat and using less power. The high output LED lamps provide greater durability and extended lamp life compared to traditional lamps, reducing maintenance

and repairs while increasing overall illumination reliability on the job site.

This work area string light consists of ten industrial grade LED lamps with 10 feet of 14/2 SJTW cable between each unit. This temporary LED string light is connected to power via an integrated 3 foot cable terminated with a standard 5-15 straight blade plug. 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.



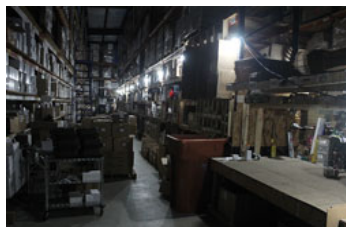
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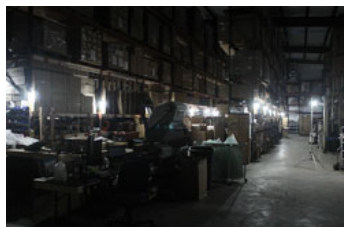
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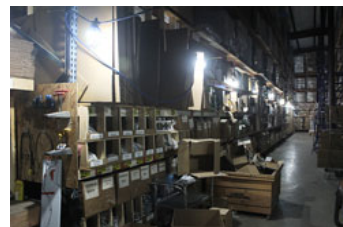
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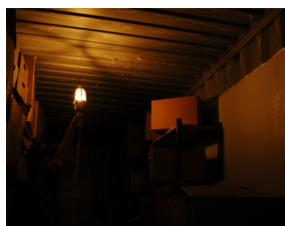
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100 Watt Incandescent Bulb



10 Watt LED Bulb

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.

Each light has a blue plastic mesh guard enclosure that provides protection for the enclosed bulb and a hook eyelet that allows operators to hang these task lights overhead. Multiple light stringers can be connected end to end to extend work area illumination. There are limits to how many strings can be interconnected based on the overall amp draw, power source, etc. 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 to 8 foot radius with 10-15 foot candles of light.

Stringer Energy Consumption Comparison

	<u>Incandescent</u>	<u>CFL</u>	<u>LED</u>
Wattage	1000 watts	260 watts	100 watts
Amp Draw @ 120V AC	8.34 amps	2.17 amps	0.84 amps
Amp Draw @ 277V AC	3.61 amps	0.94 amps	0.36 amps
Amp Draw @ 12V DC	83.34 amps	21.67 amps	8.34 amps
Amp Draw @ 24V DC	41.67 amps	10.84 amps	4.17 amps
Lamp Life Expectancy	1,500 hours	8,000 hours	50,000 hours
Color Temperature	2800K	4300K	6000K
Operation cost per year (8hs/day @ 11c/kWh)	\$321.2	\$83.52	\$32.12

These lights are configured to operate with 120V-277VAC current and are available in an optional 12-24V AC/DC configuration as well. 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.

Lamp Features

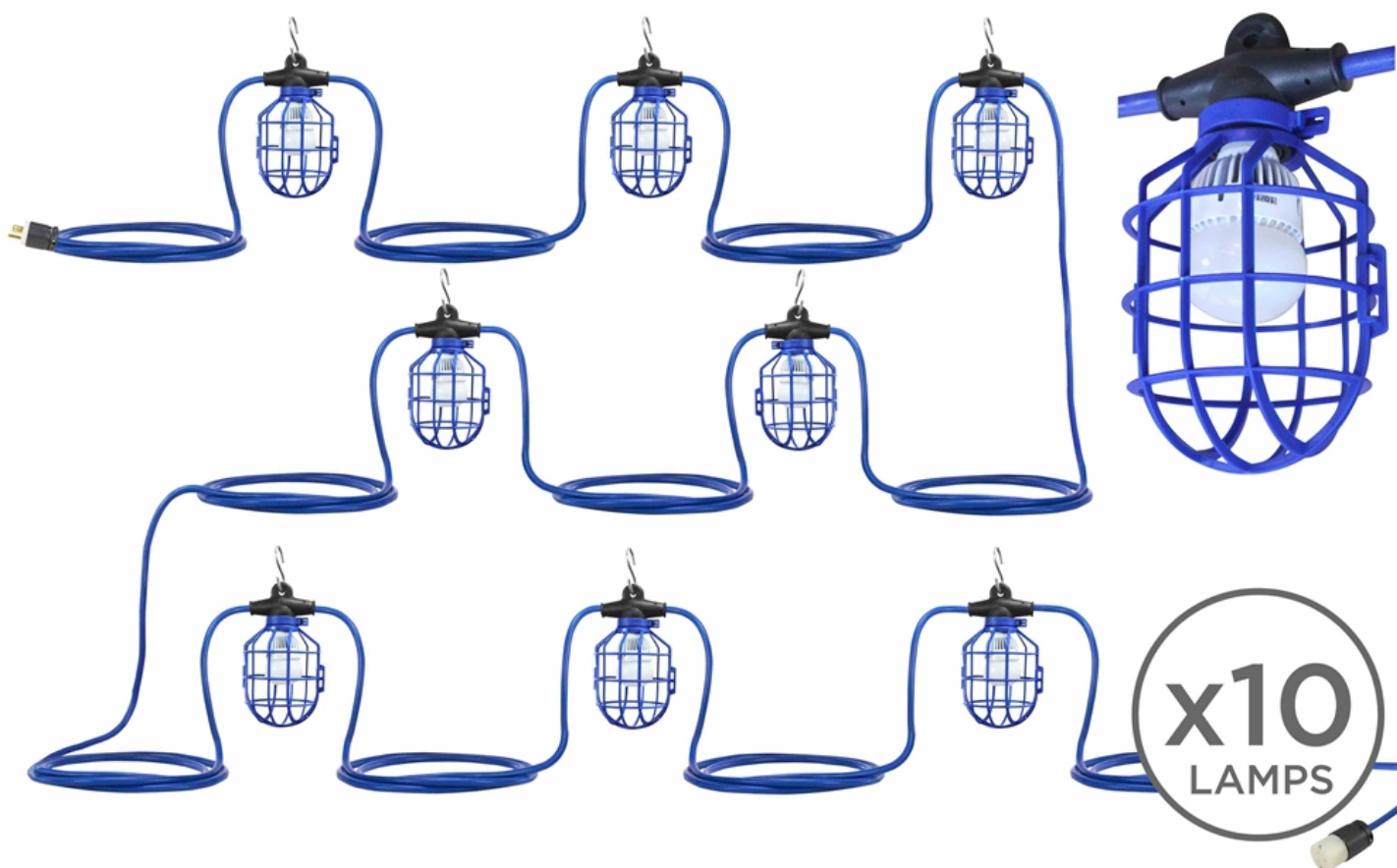
1. 10 Watt LED Lamps
2. Outdoor Approved
3. No ballast, no flickering, instant on illumination
4. Blue Cage Plastic Guards for added protection
5. 120-277V AC or 12-28V DC Operation
6. Durable solid state LED construction resists damage from impacts and vibrations.
7. Hook Eyelet for hanging and hands free operation.
8. 10 feet of 14/2 SJTW cable between each light.
9. End to end operations allows connecting multiple stringers together for maximum work site illumination.
10. Energy efficient alternative to incandescent and compact fluorescent temporary string lights.

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.
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.



Frequently Asked Questions (FAQ)







WAL-SL-10-LED

Product ID: 69998

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

WAL-SL-10-LED-Voltage

Example: WAL-SL-10-LED-1227

Voltage	
120-277V AC	-1227
11-25V AC	-1224

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)