

300ft Temporary String Light - Thirty LED Work Lamps - 300 Watt LED Stringer - 12/3 SJTW -Twist Lock

Part #: WAL-SL-10-LED-12.3-TLP-3X



The Larson Electronics WAL-SL-10-LED-12.3-TLP-3X Work Area Lighting LED String Light is designed for high output illumination and daisy chain connections across the job site. 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 work area string light consists of thirty industrial grade LED lamps with 10 feet of 12/3 SJTW cable between each unit. Each section of 100 feet has a break. This temporary LED string light is connected to power via an integrated 3 foot cable terminated with a NEMA L5-15 or L6-15 configuration twist lock plug and outlet. 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. This string light is listed for use in the United States and Canada and approved for indoor or outdoor use including wet or damp environments.

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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100 Watt Incandescent Bulb

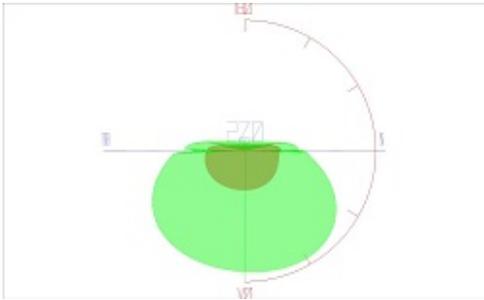


10 Watt LED Bulb

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.

Safety within the workplace is another benefit of LED work lights and temporary lighting. All light sources produce heat. With traditional work lamps, such as incandescent and halogen light sources, the lamp reaches high surface temperatures. These surface temperatures introduce a

burn risk to anyone that allows prolonged skin contact with the light source, as well as a fire hazard if a flammable material is accidentally set too close to the light source for an extended period of time. While LED fixtures do still produce heat, they are designed with heat sinks to properly disperse the heat. Each LED bulb is engineered to disperse and expel this heat quickly and efficiently, keeping the lamp cooler than traditional light sources. This LED work light operates at a lower surface temperature than a comparable model with traditional light source, and thus does not present a significant burn risk if an operator or bystander accidentally brushed up against an exposed lamp, and reduce the fire hazard should they fixture accidentally come in contact with a flammable material for a short period of time. This significantly increases the safety within the work environment.

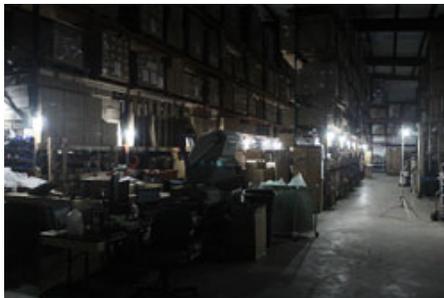


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Each high output LED lamp produces more light output than standard 100 watt rough service lamps. The 3D polar distribution curve displays a standard 100 watt rough service incandescent lamp (red) in comparison to the LED-A19-10-E26-SML high output 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.



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Each light has a plastic mesh guard enclosure that provides protection for the enclosed bulb and a hook 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 to 8 foot radius with 10-15 foot candles of light. Multiple light stringers can be connected end to end to extend work area illumination. On a 120V power source, a maximum of fifteen sets of stringers can be daisy chained together. On 240V, a maximum of thirty sets of stringers can be daisy chained together. On 24V, one 10-lamp stringer and one 5-lamp stringer can be chained together.

Stringer Energy Consumption Comparison

	<u>Incandescent</u>	<u>CFL</u>	<u>LED</u>
Wattage	3000 watts	780 watts	300 watts
Amp Draw @ 120V AC	25.02 amps	6.51 amps	2.52 amps
Amp Draw @ 220V AC	13.65 amps	3.57 amps	1.38 amps
Amp Draw @ 240V AC	12.51 amps	3.27 amps	1.26 amps
Amp Draw @ 24V DC	125.01 amps	32.52 amps	12.51 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)	\$4.32	\$1.14	\$0.45
Operation cost per month (12hs/day @ 12c/kWh)	\$129.6	\$33.69	\$12.96
Operation cost per year (12hs/day @ 12c/kWh)	\$1576.8	\$409.98	\$157.68

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

Wiring and Plug: This temporary string lighting system is constructed of 12/3 STJW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard NEMA L5-15 15 amp twist lock plug or NEMA L5-20 20 amp twist lock plug for 125V twist lock outlets, and NEMA L6-15 15 amp twist lock plug or NEMA L6-20 20 amp twist lock plug for 220V-240V twist lock outlets. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

These lights are configured to operate with 120V-277VAC current and are available in an optional 24VDC 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. Yellow 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. Hanging hook for hanging and hands free operation.
8. 10 feet of 12/3 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.

Specifications / Additional Information

WAL-SL-10-LED-12.3-TLP-3X String Lights

Lamp Type: LED

Weight: 75 Lbs

Voltage: Universal 120-277VAC 50/60 Hz or 11-25V AC/DC

Total Watts: 300 watts

Total Lumens: 10,500

Luminous Efficacy: 105 Lumens per Watt

Color Rendering Index: >80

Beam Angle: 180°

LED Lamp Life Expectancy: 50,000+ Hours

Power Efficiency: 90%

Power Factor: >0.95

Ambient Operating Temp Range: -30° C to +85°C

Total Length: 288'

Wiring: 10' 12/3 SJTW Cable Between Each Lamp, 3 Foot Whips, disconnects between each 10 lamps

Cord Caps: NEMA L5-15, L5-20, L6-15, or L6-20 Plug and Outlet

Mounting: Eyelet for hook mounting

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[Part #: WAL-SL-10-LED-12.3-TLP-3X \(150850\)](#)

Features

Listed for United States and Canada

Low Amp Draw

Wet Area Approved

High Output 10 Watt LED Lamps

Daisy Chain Connection(End to End)

50,000+ Hour LED Lamp Life

Approved for Confined Spaces

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-498-3363

E-mail: sales@larsonelectronics.com

Options:

WAL-SL-10-LED-12.3-TLP-3X- VOLTAGE - CORD CAP

Example: WAL-SL-10-LED-12.3-TLP-3X-1227-L5.15

VOLTAGE		CORD CAP	
120-277VAC	-1227	NEMA L5-15	-L5.15
11-25VDC	-1224	NEMA L5-20	-L5.20
		NEMA L6-15	-L6.15
		NEMA L6-20	-L6.20

Links (Click on the below items to view):

- [Hi-Res Image 1 - 100ft Temporary String Light](#)