

WAL-SL-5-LED-LV

50ft Temporary Construction String Light - 5 LED Work Lamps - 50W LED Stringer - 11-25V AC/DC

Product ID: 146972

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



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WAL-SL-5-LED-LV 50ft Temporary Construction String Light - 5 LED Work Lamps - 50W LED Stringer - 11-25V AC/DC

Lamp Type: LED
Weight: 12.5 Lbs
Voltage: 11-25V AC/DC
Total Watts: 50 watts
Total Lumens: 5,250
Luminous Efficiency: 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: 56`
Wiring: 10` 14/2 SJTW Cable Between Each Lamp, 3 Foot Whips
Cord Caps: 16` Cig Coil, 16` Cig, 21` Ring Terms, 16` Batt Clamps, 16` Flying Leads
Mounting: Eyelet for hook mounting

Ratings/ Features

Lower 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 - Special Requirements

Contact us for special requirements

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The Larson Electronics WAL-SL-5-LED-LV Work Area Lighting LED String Light is designed for high output job site illumination. The 10 watt LED lamps on this this work site light set provides more and higher quality light than 50 wattage

incandescent lights while creating less heat and using less power. When purchasing this luminary, which operates on 11-25V AC/DC, individuals can choose from various portable cord caps for easy connection during operation.

This work area string light consists of five industrial grade LED lamps with 10 feet of 14/2 SJTW cable between each unit. The temporary LED string light operates on 11-25V AC/DC and features various portable lighting cord cap options (see below). 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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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 yellow plastic mesh guard enclosure that provides protection for the enclosed bulb and a hook that allows operators to hang these tasks 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 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.

Power/Plug: The LED light is configured to operate on 11-25V AC/DC. This unit comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin Deutsch connector which easily and securely attaches and detaches the coil cord from the light. Other cords, including 21 foot cords with ring terminals (C-21RT), 16 foot cord with spring battery clamps (alligator clips) (C-16BC) and a 16 foot straight cord with cigarette plug (C-16CP) are available. Choose the portable cord cap of choice below when ordering.



16ft Coil Cord w/Cigarette Plug
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21ft Cord with Ring Terminals



16ft Cord w/Battery Clamps



16ft Cord with Cigarette Plug

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. 11-25V AC/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 14/2 SJTW cable between each light.
9. 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-5-LED-LV

Product ID: 146972

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

WAL-SL-5-LED-LV-Plug Options

Example: WAL-SL-5-LED-LV-16CP.CC

Plug Options	
16 CIG COIL	-16CP.CC
16 CIG	-16CP
21 RING TERMS	-21RT
16 BATT CLAMPS	-21BC
16 FLYING LEADS	-16.PIGTAIL

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