Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

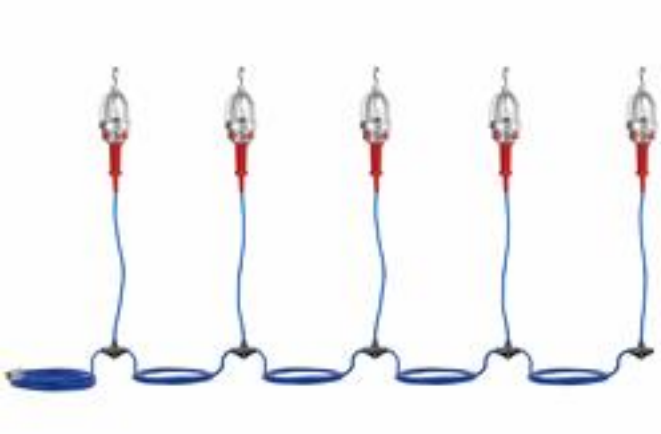
www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
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RNT-EPL-SL-5-LED

RENTAL* Explosion Proof LED String Lights - 5, Class I & 2, Div. I LED Handlamps - 120V - *RENTAL

Product ID: 47380

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.

RNT-EPL-SL-5-LED
Listing: United States
Dimensions- Each Lamp: L-16.5" Diam-5"
Single Lamp Weight: 6 lbs
Total Weight: 35 lbs
Voltage: 120-277V AC or 11-25V AC/DC
Total Watts: 50
Single Lamp Watt: 10 watts
Total Lumens: 5,250
Single Lamp Lumens: 1,050
Lamp Life: 50,000+ Hours
Luminous Efficacy: 105 Lm/W
Color Temp: 5600K
Amps: 0.42 120V AC
Globe Guard Material: Copper Free Cast Aluminum
Globe Material: Hardened Borosilicate Glass
Handle Material: Rubber
Mounting: Handheld / Hanging via Aluminum Hooks
Handlamp Wiring: 3` 14/3 SEOOW Cable Drop from Backbone
Wiring: 50` 12/3 SEOOW Cable - 10` between lamps - 10` input whip
Cord Cap: 5-15 or 6-20 Explosion Proof Plug

U.L. Ratings
Class 1, Divisions 1 & 2, Groups C, D
Class 2, Divisions 1 & 2, Groups, F, G
Class 1, Zone 1, Group IIB
NEMA 4X

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364

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Rental Type: Monthly, Weekly, Daily

In an effort to cut back on contracts and various other paper work, Larson Electronics processes rentals like purchases until the product is returned. (Rent to Own Rates) This means, we will charge the customer for the product total and credit back the difference once the fixture is returned. Weekly and Monthly terms are available. Customer must pay shipping to and from the destination. Please contact us at (903) 498-3363 for further information if required.

Rental Prices for the RNT-EPL-SL-5-LED
Monthly..$286.00 USD
Weekly....$191.00 USD

Subtract rental cost from total cost for the amount that will be credited back to customer upon return of product. Customer can choose to convert their rental to a purchase at any time during the rental period. When returned, deductions will also be made for shipping, repairs, and excessive cleaning, if needed.

E-mail: sales@larsonelectronics.com

Made in the USA

This unit is for rentals

The Larson Electronics RNT-EPL-SL-5-LED Explosion Proof String Light set is UL Listed Class 1 Division 1 Groups C and D and is ideal for general close work and inspection activities in hazardous locations requiring explosion proof protection.

Click here to see the Incandescent version of this light

This explosion proof string light set from Larson Electronics contains a total of five 10 watt work lights equipped with aluminum hooks and connected in series along 40 feet of 12/3 SEOOW explosion proof cord. A molded T junction is mounted every ten feet, with 3 feet of 14/3 SOOW cord connecting a single drop light to the backbone. The cord on this unit is terminated in a Class 1, Division 1 explosion proof plug for complete protection. With this arrangement, each drop light cannot spark if pulled apart or dragged. A 10 foot tail section of main SOOW cord is included to allow ample length for connection to power sources.

10 Watt LED Bulb



Molded T Connector w/ Hook Ring



25` whip w/ EXP Plug

Click Photos to Enlarge



100 Watt Incandescent Bulb

Click Photos to Enlarge

Click Photos to Enlarge



With the RNT-EPL-SL-5-LED

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 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 explosion proof 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.

This unit incorporates ten explosion proof LED hand lamps connected in series and is suitable for use in areas where petrochemical vapors and various dusts are present. The machined aluminum housings, cast aluminum guard, tempered glass lamp globe, and abrasion resistant cord make this a very durable unit that will resist damage from chemicals, abrasion, vibrations and impacts. This string lighting solution will provide the lighting you require in a flexible, easy to manage configuration. The hand lamps can be moved around and hooked to different points on your scaffold. The lights, however must remain within 10 feet of one other. Each molded T section contains a hook eyelet, allowing operators to suspend the entire backbone off the ground and out of the work space.

Click Photos to Enlarge



5-15 Straight Blade Plug



6-20 Straight Blade Plug

This stringer light set is Class 1, Division 1 rated for Groups C and D and Class II, Division 1 Groups F and G. This unit is multi-voltage and configured to operate on 120-277V AC or 11-25V AC/DC, please choose your configuration below. A 10` input whip terminated in an explosion proof cord cap completes the explosion proof protection of this string light. Cord cap options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets.

Stringer Energy Consumption Comparison

	Incandescent	CFL	LED
Wattage	500 watts	130 watts	50 watts
Amp Draw @ 120V AC	4.17 amps	1.09 amps	0.42 amps
Amp Draw @ 277V AC	1.8 amps	0.47 amps	0.18 amps
Amp Draw @ 12V DC	41.67 amps	10.84 amps	4.17 amps
Amp Draw @ 24V DC	20.84 amps	5.42 amps	2.08 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)	$160.6	$41.76	$16.06

Made in USA Quality

1. Federal Spec Cord.
2. Explosion Proof.
3. Total of (5) 10 watt LED Lamps.

Lamp Features

50 watts of LED illumination
Non-sparking aluminum housings
Light weight mold T Junctions

4. Non-sparking aluminum construction.	Cast aluminum guard prevent lamp or globe damage
5. UL Class 1 Div 1 Class 2 Div1	Tempered Soda-Lime Glass Lamp Globe
7. 120-277V AC or 11-25V AC/DC Operation	Integrated lamp shock absorbers prevent drop damage
8. SEOOW cable.	Swivel hook for hanging and hands free operation
9. Aluminum Hooks for Convenient Placement.	12/3 SEOOW Abrasion Resistant Cable

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Frequently Asked Questions (FAQ)







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RNT-EPL-SL-5-LED

Product ID: 47380

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

RNT-EPL-SL-5-LED-Rental Length-Voltage-Cord Cap

Example: RNT-EPL-SL-5-LED-MR-1227-1523

Rental Length	
MONTHLY	-MR
WEEKLY	-WR
DAILY	-DR

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

Cord Cap	
5-15	-1523
6-20	-2023.250V

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 3, Misc
- Dimensional Drawing 2D
- MSDS (Material Safety Data Sheet
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map