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EPL-SL-10-50X-150LED-RT-IBC

1500 Watt Explosion Proof LED String Light - 10 150W Lights Daisy Chained at 50' I-Beam Clamp Mount

Product ID: 105853

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.

EPL-SL-10-50X-150LED-RT-IBC I-Beam Mount Stringer
Listing: United States & Canada
Lamp Type: Cree LED
Dimensions: 14"H x 16"W 5"D (per lamp head)
Voltage: 100-277 Volts AC, 50/60Hz
Total Weight: ~425 lbs
Single Lamp Weight: 35 lbs
Total Watts: 1,500
Single Lamp Watt: 150 watts
Total Lumens: 175,000
Single Lamp Lumens: 17,500
Luminous Efficacy: 116.67 Lm/W
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Lighting Configuration: 60° Flood or 125° Wide Flood
Lamp Life: 60,000+ Hours
Amps: 12.5A @ 120V - 6.25A @ 240V
Mounting: Temporary I-Beam Clamps - (1) Per Fixture
Temp Rating: T5 -40°C to +65°C
Wiring:10/3 SOOW Cable - 50` between lamps, 50` whip
Total Length: 500`
Cord Cap: 5-15P (125V), 5-20P (125V), 6-20P (250V)

Ratings/Approvals
Class I Divisions 1 & 2, Groups C and D
Class II Divisions 1 & 2, Groups E,F,G
T5 Temperature Rating
Certified to UL844 and C22.2 Standards
Paint Spray Booth Approved
LEL Approved
IP67 Rated Waterproof
Multiple Driver Banks
80% Lumen Retention after 50,000 Hours
Temporary I-Beam Mounting System

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA

The Larson Electronics EPL-SL-10-50X-150LED-RT-IBC Explosion Proof 1500 watt Cree LED String Light set is approved Class I, Divisions 1 & 2, Groups C and D and Class II, Divisions 1 & 2, Groups E, F, and G and is ideal for inspection activities and temporary illumination in hazardous locations requiring explosion proof protection. This daisy chain temporary lighting system provides 175,000 lumens and comes equipped with individual I-beam mounting brackets per light head, allowing for flexibility within the job site.

This explosion proof string light set from Larson Electronics contains a total of ten 150 watt work lights equipped with I-beam mount clamps and connected in series along 500` of 10/3 SOOW cable. The 150 watt LED lights are evenly spaced at 50 feet apart along the 500` feet backbone and junction together with 50` of cable between each light. Each light has a 3-foot whip back to the main backbone. The cord on this unit is terminated with a Straight Blade Class I Division 1 explosion proof plug for complete protection. With this arrangement, each drop light cannot spark if pulled apart or dragged. A 50` foot tail section of main SOOW cord is included to allow ample length for connection to power sources.



Click Photo to Enlarge



Click Photo to Enlarge

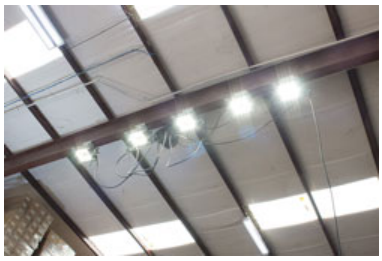
Each explosion proof light fixture provides 17,500 of high quality light while drawing only 150 watts, for a combined 175,000 lumens and 1,500 watts. These lights are direct replacement for 400 watt metal halide temporary fixtures. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps these fixtures to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. Light weight and a low profile make this unit an attractive alternative to larger and heavier traditional fixtures and requires less hardware to install. The EPL-SL-10-50X-150LED-RT-IBC is available in several color temperatures including 3000K, 4000K and 5000K. Operators can specify their choice when ordering below.

This unit incorporates ten explosion proof 150 watt LED lamps connected in series and is suitable for use in areas where petrochemical vapors and various dusts are present. The cast aluminum housings, tempered glass lens, 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 for job site illumination. The lamps can be moved around and mounted to different points within the work area. The lights, however, must remain within 50 feet of one other.

Each explosion proof LED light features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.



Click Photo to Enlarge



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LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. 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 is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.
This stringer light set is Class I, Division 1 & 2 rated for Groups C and D and Class II, Division 1 Groups E, F, and G. This light is universal voltage capable and can be operated with 220-240VAC, 50/60Hz. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast aluminum body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronics.

Stringer Energy Consumption Comparison

	400W Metal Halide	150W LED
Wattage	4,600* watts	1,500 watts
Amp Draw @ 240V AC	19.17 amps	6.25 amps
Lamp Life Expectancy	18,000** hours	50,000+ hours
Color Temperature	4100K	6000K
Operation cost per day (12hs/day @ 12c/kWh)	$6.63	$2.16
Operation cost per month (12hs/day @ 12c/kWh)	$198.72	$64.80
Operation cost per year (12hs/day @ 12c/kWh)	$2,417.76	$788.40

*Wattage includes ballast factor to include electricity consumed by metal halide ballast.
**Estimated lamp life does not reflect accidental damage or premature failures due to portable applications. LED lamps do not suffer from the same physical downfalls that glass bulbs are susceptible of during temporary lighting.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Made in USA Quality

1. Federal Spec 600V Cord
2. Explosion Proof - Rated for US and Canada
3. Total of (10) 150 watt LED Lamps.
4. Non-sparking aluminum construction.
5. Class I Div 1&2 and Class II Div 1&2
7. 220-240V AC
8. 10/3 SOOW cable.
9. Temporary I-Beam Mounting System for Convenient Placement.

Lamp Features

1,500 watts of LED illumination
Non-sparking aluminum housings
Cast aluminum Housing
Tempered Soda-Lime Glass Lens
Integrated lamp shock absorbers prevent drop damage
I-beam mounting system.
10/3 SOOW Abrasion Resistant Cable

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Frequently Asked Questions (FAQ)









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Product ID: 105853

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-10-50X-150LED-RT-IBC-Beam Angle-Color Temp

Example: EPL-SL-10-50X-150LED-RT-IBC-60DB-30K

Beam Angle	
60°	-60DB
125°	-125DB

Color Temp	
3000K	-30K
4000K	-40K
5000K	-50K

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**