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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPL-SL-4-50X-150LED-RT-MBC-EPP

600W Explosion Proof LED String Light - (4) 150W Fixtures Daisy Chained - Adjustable Magnetic Mount

Product ID: 223572

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-4-50X-150LED-RT-MBC-EPP Magnetic Mount Stringer
Listing: United States, Canada
Lamp Type: Cree LED
Lamp Qty: 4
Dimensions: 14"H x 16"W 5"D (per Lamp Head)
Total Weight: -
Single Lamp Weight: 35 lbs
Voltage: 100-277V AC, 50/60Hz
Total Watts: 600W
Single Lamp Watt: 150W
Total Lumens: 70,000 lms
Single Lamp Lumens: 17,500 lms
Luminous Efficacy: 116.67 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4000K or 3000K
Color Rendering Index: >75 CRI
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Lighting Configuration: 60° Flood or 125° Wide Flood
Power Efficiency: -

Ratings/Approvals
Class I, Divisions 1&2 Groups C,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

Power Factor: -

Amps: 5A @ 120V, 2.5A @ 240V, 2.16A @ 277V

Ambient Operating Temp Range: -40°C to +65°C

Temp Rating: T5

Materials: Cast Aluminum (Housing), Tempered Glass (Lens)

Mounting: Ceiling/Flat Surface Mount w/ (6) Magnets per LED Fixture

Wiring: 12/3 SOOW Cable w/ EXP Cord Cap - 50` Between Lamps, 50` Whip

Total Length: 200`

EXP Cord Cap Options: 5-15P, 5-20P or 6-20P

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

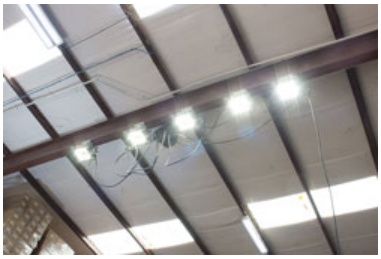
E-mail: sales@larsonelectronics.com

The Larson Electronics EPL-SL-4-50X-150LED-RT-MBC-EPP Explosion Proof LED String Light set is approved for use in Class I, Divisions 1 & 2, Groups C and D and Class II, Divisions 1 & 2, Groups E, F, and G rated flammable work sites. Equipped with four 150-watt explosion proof LED lamps and 200` of 12/3 SOOW cable with an explosion proof cord cap, this daisy chain temporary lighting system provides 70,000 lumens of output and comes equipped with powerful magnetic mounting components per light head, allowing for flexibility within the job site.

This explosion proof string light set from Larson Electronics contains a total of four 150-watt work lights equipped with heavy-duty magnets at the base and connected in series along 200` of 12/3 SOOW cable. The 150-watt LED lights are evenly spaced with 50` of spacing between each lamp and 50` of input whip. The input whip is terminated in a heavy-duty, explosion proof cord cap for connection to preferred power sources. Each explosion proof light fixture provides 17,500 of high quality light while drawing only 150 watts, for a combined 70,000 lumens at 600 watts. Color temperature options include 5000K, 4000K or 3000K. 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 makes this unit an attractive alternative to larger and heavier traditional fixtures and requires less hardware to install.

This unit incorporates four 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 20 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

Click Photo to Enlarge

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.
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 100-277V AC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25V. 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.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This explosion proof LED light is equipped with 200 feet of 12/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 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.
***PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.*

Mount: Each explosion proof LED light features an adjustable swivel bracket constructed of 3/8" aluminum. This aluminum mounting bracket has six 200 lbs grip magnetic bases which provide a total of 1,200 lbs of grip and allows operators to mount the unit to ceilings, walls and any flat metallic surfaces. Users simply attach the magnetic mounting bracket to the desired surface, then hang the lamp assembly from the bracket.

Stringer Energy Consumption Comparison

	400W Metal Halide	150W LED
Wattage	4,600* watts	1,500 watts
Amp Draw @ 120V AC	38.34 amps	12.5 amps
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.

Applications: Temporary illumination, hazardous locations, explosive work sites, flammable facilities, workspace lighting systems and industrial spaces where flammable chemical/petrochemical vapors are present.
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.

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPL-SL-4-50X-150LED-RT-MBC-EPP

Product ID: 223572

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-4-50X-150LED-RT-MBC-EPP-Cord Cap-Beam Angle-Color Temp

Example: EPL-SL-4-50X-150LED-RT-MBC-EPP-1523-60DB-5K

Cord Cap	
5-15P	-1523
5-20P	-2023.125V
6-20P	-2023.250V

Beam Angle	
60°	-60DB
125°	-125DB

Color Temp	
5000K	-5K
4000K	-4K
3000K	-3K

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**