

EHL-LED-230X24LV-100

Explosion Proof LED Drop Light (Hand Lamp) with inline transformer - 230VAC to 24VDC

Product ID: 70974

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.

EHL-LED-230X24LV-100

Listing: United States

Lamp Type: A19 LED Bulb

Dimensions: 16.5"L x 5"Dia

Total Weight: 11.9 lbs

Weight (Lamp Only): 5 lbs

Voltage: 240 VAC stepped down to 24 VAC or VDC

Total Watts: 10 watts

Lumens: 1050

Luminous Efficacy: 105 Lm/W

Lamp Life: 50,000 Hrs

Color Temperature: 5600K

Color Rendering Index: >80 CRI

Beam Angle: Omni Directional

Power Efficiency: >90%

Power Factor: >0.9

Ambient Operating Temp Range:-50° C to +65°C

Mounting: Aluminum Hook

Wiring: 100' 12/3 SOOW cord from Transformer to Light. 10' 16/3 Input

Ratings/Approvals

Class I, Division 1 & 2, Groups C, D

Class II, Division 1 & 2, Groups F, G

Class I, Zone 1, Group IIB

Listed to UL 844

Listed to CSA 22.2 No. 137

Listed for United States

Temperature Rating T3B

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

YOU CAN RENT THIS UNIT. CONTACT 1-800-369-6671.

3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

Made in the USA

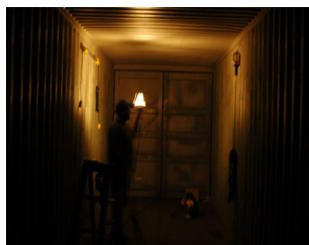
The Larson Electronics EHL-LED-230X24LV-100 Explosion Proof LED Hand Lamp is UL Listed Class 1 Division 1 Groups C and D - and is ideal for general work activities in hazardous locations requiring explosion proof protection.

This 10 watt explosion proof hand lamp from Larson Electronics produces 1050 lumens of bright white light and comes complete with 100 feet of explosion proof cord. The EHL-LED-230X24LV-100 drop light has no ballast and the housing is constructed of non-sparking aluminum with a rubber bumper guard designed to provide an effective lighting solution for operators requiring a versatile source of illumination. This hazardous location LED hand lamp is Class 1, Division 1 approved and is ideal for hazardous work areas where a ready source of easily managed lighting is desired.



Dark 40' Container

[Click Photos to Enlarge](#)



Illuminated with EHL-LED-230X24LV-300

[Click Photos to Enlarge](#)

Lamp: The 10-watt LED lamp used in this unit produces nearly 3 times the illumination of incandescent lamps as measured in foot candles, at less than 1/10th of the electricity usage and without the associated heat. This LED drop light runs at operating temperatures of 55° F, greatly reducing the chances of accidents or burns commonly associated with incandescent drop lights. This lamp has no ballast, which reduces lamp weight, a steel globe guard, and a stainless steel hook for easy overhead mounting. The solid state LED bulb has no filament, making it resistant to damage from impacts and dropping. This hand lamp has a high efficiency LED bulb that requires no ballast, so the operator doesn't need to drag the ballast housing around. This can be particularly annoying when the ballast becomes entangled in the cord.

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.

[Click Photos to Enlarge](#)



5-15 Straight Blade Plug
15 Amp / 125V Rated



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



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring and Plug: This explosion proof LED hand lamp is equipped with 100' of 12/3 chemical and abrasion resistant SOOW cord leading up to the encapsulated step down transformer, and 10' of 12/3 SOOW cable on the input side of the transformer that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. 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.

PLEASE NOTE: The cord cap on this unit is not class rated and must be plugged in outside of the classified hazardous location. Larson Electronics can equip this light with an explosion proof cord cap for complete class rated protection at an additional fee. Cord cap options include straight blade plugs and pin/sleeve style cord caps.

Made in USA Quality

1. Chemical and abrasive resistant cord.
2. Explosion Proof.
3. 10 Watt 1050 Lumen LED Lamp.
4. Rugged fabricated steel and cast aluminum construction.
5. Red and Gray paint finish.
6. Class1 Div1 Class 2 Div1
7. 120-277 Volt Operation
8. SOOW cable.
9. Aluminum Hook for Convenient Placement.

Lamp Features

- 10 watt LED light produces 1050 lumens
- Non-sparking aluminum housing
- 50,000 hour LED Lamp
- Molded rubber bumper guard
- Annealed glass tube shields prevent shattering
- Integrated lamp shock absorbers prevent drop damage
- Swivel hook for hanging and hands free operation
- Explosion proof cord

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Frequently Asked Questions (FAQ)









EHL-LED-230X24LV-100

Product ID: 70974

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EHL-LED-230X24LV-100-Output Voltage-Cord Cap

Example: EHL-LED-230X24LV-100-24VAC-6.15P

Output Voltage	
24 VOLTS AC	-24VAC
24 VOLTS DC	-24VDC

Cord Cap	
6-15P	-6.15P
6-20P	-6.20P
L6-15P	-L6.15P
L6-20P	-L6.20P
BS1363	-BS1363
SCHUKO	-SCHUKO

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](#)
- [MSDS \(Material Safety Data Sheet](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)