

EHL-LED-7W-220XLV-C1D1-20MX10M-2023

Explosion Proof 15W LED Drop Light - C1D1 & C2D1 - Inline Stepdown Transformer - 220VAC, 12 or 24VAC

Product ID: 144714

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-7W-220XLV-C1D1-20MX10M-2023

UL Listing: United States

Dimensions: L-16.5" Dia-5"

Lumens: 2400

Luminous Efficacy: 160 Lm/W

Total Watts: 15 watts

Voltage: 220-240VAC stepped down to 12V or 24V AC with an inline transformer

Color Temp: 6000k

Mounting: Aluminum Hook

Wiring: 20m of 12/3 SOOW B/T lamp and transformer, 10m of 16/3 SOOW B/T transformer and EPP

Cord Cap: 2023 20 amp plug

Lamp Type: LED (E27)

Lamp Life Expectancy: 50,000+ Hours

Ratings

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

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

Explosion Proof Transformer Inline Transformer

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

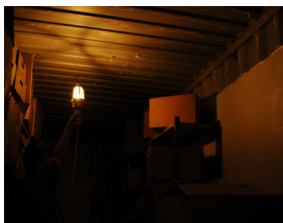
E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EHL-LED-7W-220XLV-C1D1-20MX10M-2023 Explosion Proof LED Drop Light/Trouble Light is UL Listed Class I & II, Division 1 & 2, Groups C and D, and is ideal for general work activities in hazardous locations requiring explosion proof protection.

This 15 watt explosion proof LED work light from Larson Electronics produces 2400 lumens of bright white light and comes complete with 20 meters of 12/3 SOOW

between the lamp and transformer and 10 meters of 16/3 SOOW between the transformer and a 2023 20 amp explosion proof plug. The EHL-LED-7W-220XLV-C1D1-20MX10M-2023 LED drop light has no ballast and the housing is constructed of non sparking aluminum which results in a very lightweight unit. This hazardous location hand lamp is Class I, Division 1 and 2 and Class II Division 1 and 2 hazardous location environment approved. This explosion proof LED drop light is ideal for hazardous work areas where a ready source of easily managed lighting is desired. This LED drop light is designed with a 12 volt or 24 volt LED bulb to operate with 12VAC or 24VAC current for low voltage operation.



100 Watt Incandescent Bulb
[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



With the EHL-LED-7W
[Click Photo to Enlarge](#)

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 15 watt LED drop light is suitable for use in areas where petrochemical vapors and various dusts are present and projects 2400 lumens of light, which is twice the lumens per watt output of a 100 watt incandescent bulb. This unit is rated Class I Division 1 and comes complete with 20 meters of 12/3 SOOW between the lamp and transformer and 10 meters of 16/3 SOOW between the transformer and a 2023 20 amp explosion proof plug.

Wiring: This unit is equipped with 20 meters of 600V 12/3 chemical and abrasion resistant SOOW cable leading to an encapsulated Class I Division 1 explosion proof step down transformer. There is ten meters of 16/3 SOOW cable coming out of the inline transformer and is terminated in a 6-20 250V rated EPP-20 explosion proof cord cap. Both the line-in and line-out cables of the transformer are terminated via Kellum style cord grips to prevent the cable from being pulled out while in the field. The transformer enclosure features a chain carry handle for easy mobility. This inline power supply for this explosion proof drop light operates on 220-240V AC 50/60Hz range. This unit allows operators to power the incandescent light from any 220V, 230V, or 240V AC power source, and steps down AC voltage to 12V AC or 24V AC.

The EHL-LED-220XLV series requires the stepdown transformer to be outside of the hazardous location, but with by incorporating a Class I Division 1 stepdown transformer and explosion proof plug, the EHL-LED-7W-220XLV-C1D1-20MX10M-2023 is explosion proof and is able to be used within the hazardous location. 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. This explosion proof LED hand light operates on 12 Volts AC or 24 Volts AC for low voltage operations. An included inline transformer allows this unit to plug into a standard outlet and operate from 120-240 Volts AC, then steps the current down to 12V or 24V DC for operating the lamp.

The light produced by this unit has a 6000k color temperature, which is much sharper and whiter than the light produced by incandescent lamps. The light produced by this lamp is ideal for close work and inspection activities where good contrast and true color representation is needed. The LED lamp in this unit runs much cooler than incandescent or fluorescent lamps, resulting in a lamp housing that remains cool to the touch and eliminates the accidental burns often encountered with incandescent drop lights.

Made in USA Quality

1. Federal Spec Cord.
2. Explosion Proof.
3. 15 Watt 2400 Lumen LED Lamp.
4. Rugged fabricated steel and cast aluminum construction.
5. Blue and Gray paint finish.
6. UL Class I Div 1 Class II Div 1
7. 220-240 Volt Stepped Down to 12V or 24V AC Operation
8. SOOW cable.
9. Aluminum Hook for Convenient Placement.

Lamp Features

- 15 watt LED light produces 2400 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



Frequently Asked Questions (FAQ)









EHL-LED-7W-220XLV-C1D1-20MX10M-2023

Product ID: 144714

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EHL-LED-7W-220XLV-C1D1-20MX10M-2023-Voltage

Example: EHL-LED-7W-220XLV-C1D1-20MX10M-2023-12VAC

Voltage	
12V	-12VAC
24V	-24VAC

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](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [STEP File \(3D CAD Model\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)