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EHL-LED-7W-220XLV-C1D1-20MX10M-CE16A-M1

15W Explosion Proof LED Drop Light - C1D1 - Inline Transformer - 220V AC to 12V or 24V - Pin/sleeve Plug

Product ID: 278722

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-CE16A-M1 Explosion Proof Drop Light

Listing: NRTL Listed for United States and Canada
Lamp Technology: LED
Dimensions: L-16.5" Dia-5"
Weight: -
Voltage: 220-240V AC stepped down to 12 or 24V AC with an inline transformer
Total Watts: 15W
Lumens: 2,400
Luminous Efficacy: -
Lamp Life: 50,000+ Hours
Color Temperature: 6000K
Color Rendering Index: -
Lamp Type: LED (E26/E27)
Lamp Base: -
Replacement Lamp: -
Beam Angle: Full, 360°
Amps: -
Ambient Operating Temp Range: -
Housing Material: Non-sparking Aluminum
Mounting: Aluminum Hook

Ratings
Class I, Divisions 1 & 2, Groups C & D
Class II, Divisions 1 & 2, Groups F & G
Explosion Proof Inline Transformer

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Wiring: 20m of 12/3 SOOW B/T lamp and transformer, 10m of 16/3 SOOW B/T transformer, cord cap
Cord Cap: 16A 3P2W Pin/sleeve, Non-metallic [250V] - Blue, Appleton PRE316PB

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Made in the USA

The Larson Electronics EHL-LED-7W-220XLV-C1D1-20MX10M-CE16A-M1 Explosion Proof LED Drop Light/Trouble Light is ideal for general work activities in hazardous locations requiring explosion proof protection. This LED light offers 2,400 lumens of output with a 6000K color temperature rating. Equipped with an aluminum hook, the LED light comes with 30 meters (total) of SOOW cord and a 16-amp 3-pole 2-wire pin/sleeve explosion proof cord cap.

This 15-watt explosion proof LED work light from Larson Electronics produces 2,400 lumens of bright white light during use. The EHL-LED-7W-220XLV-C1D1-20MX10M-CE16A-M1 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.

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.



100 Watt Incandescent Bulb
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.

Voltage: 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 AC for operating the lamp.

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-CE16A-M1 is explosion proof and is able to be used within the hazardous location.

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 an IP66 rated 16 amp, 3-pole 2-wire pin and sleeve 250V blue cord cap. 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 light from any 220V, 230V, or 240V AC power source, and steps down voltage to 12V AC or 24V AC.

Mount: The LED light features a heavy-duty aluminum hook at the top for temporary mounting on chains, poles, hooks, small openings, ladders and more.

Applications: Applicable hazardous locations, oil and gas facilities, mining, construction sites, chemical processing, grain storage, confined spaces, inspections, detailed tasks and more.

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.

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Frequently Asked Questions (FAQ)









EHL-LED-7W-220XLV-C1D1-20MX10M-CE16A-M1
Product ID: 278722

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:
EHL-LED-7W-220XLV-C1D1-20MX10M-CE16A-M1-Output Voltage
Example: EHL-LED-7W-220XLV-C1D1-20MX10M-CE16A-M1-12VAC

Output Voltage	
12VAC	-12VAC
24VAC	-24VAC

Links (Click on the below items to view):

- **Operations Manual**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**