Larson Electronics LLC
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Phone: 800.369.6671

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EPL-120X24V-C1D1-25-EPP

Explosion Proof Drop Light (Hand Lamp) with C1D1 Inline Transformer - 25' Cord - 120VAC to 24V - EXP

Product ID: 106181

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-120X24V-C1D1-25-EPP

Listing: United States

Lamp Type: Incandescent
Handlamp Dimensions: 16.5"L x 5"Dia
Handlamp Weight: 5.5 lbs
Total Weight: 35 lbs

Voltage: 120 VAC Stepped down to 24V DC
Total Watts: 60, 75, or 100 watts
Total Lumens: 540, 675, or 900
Luminous Efficacy: 9 Lm/W
Lamp Life: 750 Hours
Color Temp: 2700K
Lighting Configuration: 360° Flood
Transformer Power Efficiency: >90%
Transformer Power Factor: 0.95 @ 230V AC
Max Amperage: 0.46A @ 240V AC

Max Ambient Temp: -32°C to +45°C
Max Operating Temp: 160° C (T3C) Class 1 & 2 Division 1 & 2
Mounting: Handheld w/ Swivel Hanging Hook

Wiring: 25` 12/3 SOOW, C1D1 Inline Transformer, 10` 16/3 SOOW

Cord Cap: 5-15P or 5-20P Explosion Proof Plug

Warranty: Yes - 3 Years

Ratings/Approvals

Class 1, Division 1 Groups C, D (100 watt)
Class 2, Division 1 Groups F, G (75 watt)
Class 1, Division 2 inline transformer
Class 1, Division 1 plug
Class 1, Zone 1 Group IIB
NEMA 4X

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

3 year warranty replacement on this light. After 30 days, the customer ships the failed 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.

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

Click here to view the Explosion Proof Light Design Description

Made in the USA

The Larson Electronics EPL-120X24V-C1D1-25-EPP Explosion Proof Hand Lamp is listed Class 1 Division 1 Groups C and D and is ideal for general work activities in hazardous locations requiring explosion proof protection. This C1D1 drop light is equipped with a 25` cord with a Class 1 Division 1 inline transformer stepping down 120V to 24V and terminated in an explosion proof plug.

This explosion proof work light is designed to operate on 120 volt AC current and comes with 25 feet of SOOW cable and an inline Class 1 Division 1 step down transformer terminated in an explosion proof plug. The EPL-120X24V-C1D1-25-EPP drop light housing is constructed of aluminum with a rubber bumper guard designed to provide an effective lighting solution for operators requiring a versatile source of illumination. This hazardous location hand lamp is Class 1, Division 1 approved and equipped with a 60 watt, 75 watt, or 100 watt bulb. Please specify bulb type when ordering. This explosion proof drop light is ideal for hazardous work areas where a ready source of easily managed lighting is desired.

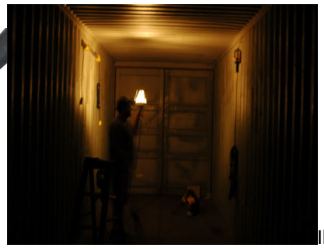


Dark 40` Container

Click Photos to Enlarge



2023 Explosion Proof Plug



Illuminated with EPL-240X12V-C1D1-100-2023

Click Photos to Enlarge

This drop light operates on 120V AC and steps down the voltage to 24 Volts for the light and is suitable for use in areas where petrochemical vapors and various dusts are present. This unit is rated Class 1, Division 1 and Class 2, Division 1 and comes with 25’ of SOOW 12/3 AWG cord and an inline transformer that steps down 120 VAC to 24 Volts. This lamp comes an explosion proof plug.



Click Photo to Enlarge

Wiring: This unit is equipped with 25 feet of 600V 12/3 chemical and abrasion resistant SOOW cable leading to an encapsulated, Class 1 Division 1 explosion proof step down transformer. There is ten feet of 16/3 SOOW cable coming out of the inline transformer, and is terminated in a 5-15P or 5-20P 125V ratedexplosion proof cord cap. Both the line-in and line-out cables of the transformer are terminated via EYM seal offs with 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 is an auto sensing universal voltage transformer that operates on any voltage within the 100-277 volts AC 50/60Hz range. This unit allows operators to power the incandescent light from any 120V AC power source, and steps down AC voltage to 24V DC.

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This explosion proof hand light contains a 60, 75 or 100 watt bulb which operates on 12 Volts only. ***Please Note:*** *75 watt bulb maximum for compliance to Class 2 Division 1 rating.*

Made in USA Quality

1. Federal Spec Cord.
2. Explosion Proof.
3. 60, 75, or 100 Watt Lamp.
4. Rugged fabricated steel and cast aluminum construction.
5. Red and Gray paint finish.
6. Class1 Div1 & Class 2 Div1
7. 24 Volt DC Operation
8. 25` 12/3 SOOW cable leading to step-down transformer
9. Hook for Convenient Placement
10. Explosion proof inline stepdown transformer
11. Entire unit is Class 1 Division 1 Rated

Lamp Features

Rubber bumper guard
Non-sparking aluminum housing
24V DC low voltage operation
Aluminum lamp guard
Lamp shield prevent shattering
Inline Stepdown transformer
Swivel hook for hanging and hands free operation
600V rated chemical and abrasion resistant cable

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Frequently Asked Questions (FAQ)





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EPL-120X24V-C1D1-25-EPP

Product ID: 106181

Harmonized System (HS) Code: 85131000

Export Control Classification Number (ECCN): EAR99

Options:

EPL-120X24V-C1D1-25-EPP-Bulb Watts-Cord Cap

Example: EPL-120X24V-C1D1-25-EPP-100W-1523

Bulb Watts	
100W (C1D1)	-100W
75W (C1D2)	-75W
60W (C1D2)	-60W

Cord Cap	
5-15P	-1523
5-20P	-2023-125V

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
- 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
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map