

EPL-220X24V-C1D1-100-DXN1

Explosion Proof Drop Light (Hand Lamp) with C1D1 Inline Transformer - 230VAC to 24V - ATEX Plug

Product ID: 105558

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-220X24V-C1D1-100-DXN1

Listing: United States

Lamp Type: Incandescent

Handlamp Dimensions: 16.5"-L x 5"-Dia

Handlamp Weight: 5.5 lbs

Total Weight: 35 lbs

Voltage: 220-240 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: 40° C

Max Operating Temp: 160° C (T3C) Class 1 & 2 Division 1 & 2

Mounting: Handheld w/ Swivel Hanging Hook

Wiring: 100' 12/3 SOOW, C1D1 Inline Transformer, 10' 16/3 SOOW

Cord Cap: 230V ATEX Rated DXN 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

ATEX Rated DXN Plug

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-220X24V-C1D1-100-DXN1 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 100' cord with a Class 1 Division 1 inline transformer stepping down 230V to 24V and terminated in an ATEX DXN plug.

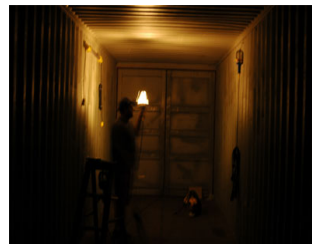
This explosion proof work light is designed to operate on 230 volt AC current and comes with 100 feet of SOOW cable and an inline Class 1 Division 1 step down transformer terminated in an explosion proof plug. The EPL-220X24V-C1D1-100-DXN1 drop light housing is constructed of aluminum with a rubber bumper 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](#)

DXN1 ATEX DXN Plug



Illuminated with EPL-220X24V-C1D1-100-DXN1

[Click Photos to Enlarge](#)

This drop light operates on 220-240V 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 100' of SOOW 12/3 AWG cord and an inline transformer that steps down 230 VAC to 24 Volts.



[Click Photo to Enlarge](#)

Wiring: This unit is equipped with 100 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 ATEX rated DXN 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 220-240V AC power source, and steps down AC voltage to 24V DC. This explosion proof hand light contains a 60, 75 or 100 watt bulb which operates

on 24 Volts only. **Please Note:** 75 watt bulb maximum for compliance to Class 1 Division 2 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. 100' 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
10. ATEX rated DXN cord cap

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



Frequently Asked Questions (FAQ)









EPL-220X24V-C1D1-100-DXN1

Product ID: 105558

Harmonized System (HS) Code: 85131000

Export Control Classification Number (ECCN): EAR99

Options:

EPL-220X24V-C1D1-100-DXN1-Lamp Wattage

Example: EPL-220X24V-C1D1-100-DXN1-100W

Lamp Wattage	
100W (C1D1)	-100W
75W (C1D2)	-75W
60W (C1D2)	-60W

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](#)