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## EHL-LED-PGA-120XLV-C1D1-100

# 25W Explosion Proof LED Handlamp - 2,750 lms - 120-277V AC to 24V DC - 100' Cord Reel/Inline EXP Transformer

**Product ID: 280662**

**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-PGA-120XLV-C1D1-100 Explosion Proof LED Handlamp w/ Cord Reel**

**Listing: NRTL Listed for United States and Canada**
**Unit Type: Explosion Proof LED Handlamp w/ Inline EXP Transformer and Cord Reel**
**Lamp Dimensions:** L-20.8" Dia-5"
**Lamp Weight:** 4.5 lbs
**Input Voltage:** 120-277V AC
**Output Voltage:** 24V DC
**Total Watts:** 25W
**Total Lumens:** 2,750 lms
**Luminous Efficacy:** 110 Lm/W
**Lamp Life:** 50,000+ Hours
**Color Temp:** 5,000K
**Color Rendering Index:** 70
**Ambient Operating Temperature:** -20°C to +50°C
**Housing Material:** Aluminum Alloy with Nylon Zytel Handle
**Lens Material:** Tempered Soda Lime Glass; Frosted
**Mounting:** Handheld with Annealed Aluminum Wire Swivel Hook
**Transformer:** C1D1 EXP 120-277V AC to 24V DC
**Cord Reel:** 100' 12/3 SOOW Cord
**Wiring:** 10' 16/3 SOOW Cord to Inline C1D1 EXP Transformer, 10' 12/3 SOOW Cord to Cord Reel w/ 100' 12/3 SOOW Cord

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

**Click here to view the Explosion Proof Light Design Description**

**Ratings/Approvals**

Class I, Division 1 & 2 Groups C, D
Class II, Division 1 & 2 Groups F, G
NEMA 4X
T4 Temperature Rating
Inline Stepdown Transformer
360° Illumination

**Special Orders - Special Requirements**

Contact us for special requirements

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**Made in the USA**

**The Larson Electronics EHL-LED-PGA-120XLV-C1D1-100 Explosion Proof LED Handlamp is ideal for general lighting, detailed tasks and inspections in hazardous locations. This 25-watt unit features 2,750 lumens of illumination. A heavy-duty swivel hook at the top of the handlamp offers versatile mounting on poles, indentions and small openings for hands-free operation. A unique angled board design offers 360° of comprehensive lighting. For safe, low voltage operation, an inline AC to DC transformer steps 120-277V AC down to 24V DC. Operators may access a cord reel with 100` of 12/3 SOOW cord for versatile use in work sites.**

The EHL-LED-PGA-120XLV-C1D1-100 is designed for handheld or hands-free illumination in hazardous locations. This 25-watt unit operates on 120-277V AC, which is stepped down to 24V DC via an inline transformer for low voltage applications. When in use, the lamp emits 2,750 lumens of white light with a color temperature rating of 5,000K and CRI rating of 70. An angled board configuration inside the unit offers 360° illumination for full lighting requirements. This durable LED handlamp is constructed of non-sparking aluminum, minimizing the possibility of ignition. A frosted lens design ensures clarity and prevents blinding when looking directly at the lamp during operation. This hazardous location unit is approved for Class I, Divisions 1 & 2 and Class II, Divisions 1 & 2 environments.



100 Watt Incandescent Bulb

Click Photos to Enlarge



With the EHL-LED-ITG-100

Click Photos 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.

The inline transformer equipped with this unit provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in electrical systems which would otherwise result in burning up or premature LED failure without it.

**Cord Reel:** This unit is equipped with a cord reel, which has 100 feet of 12/3 chemical and abrasion resistant SOOW cord leading to the drop light. On the input side, a 10` 16/3 SOOW cord leads to a Class I, Division 1 inline explosion proof

transformer that steps down 120-277V AC to 24V DC. There is 10` of 12/3 SOOW cord between the inline transformer and the cord reel.
**Mounting:** Operators may mount the portable LED handlamp on poles, hooks, corners, indentions, chains and other compatible openings using a sturdy annealed aluminum wire swivel hook located at the top of the unit. This hands-free option allows operators to use both hands for demanding tasks, greatly decreasing time spent inside the hazardous location. Alternatively, operators may hold the light up using a handle located at the bottom of the lamp. This handheld option is suitable for inspections and temporary, detailed tasks.
**Applications:** Inspections, portable lighting, tank cleaning, hazardous locations, detailed tasks, industrial facilities, oil refineries, agricultural sites, grain storage centers, food processing, 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 Series
FOR REPLACEMENT PURPOSES,
USE 16/3 AWG TYPE SOOW
POWER-SUPPLY CORD ONLY

**EHL-LED-PGA-120XLV-C1D1-100**

**Product ID: 280662**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**