Larson Electronics LLC
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Product ID: 277882

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image:

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-ITG-240X24V-50 Explosion Proof LED Handlamp
Unit Type: Explosion Proof LED Handlamp
Dimensions: L-20.8" Dia-5"
Total Weight: 14.8 lbs
Lamp Weight: 4.5 lbs
Input Voltage: 220-240V AC, 50/60Hz
Output Voltage: 24V DC
Total Watts: 15
Total Lumens: 2,400
Luminous Efficacy: 160 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
Mounting: Handheld with Annealed Aluminum Wire Swivel Hook
Lens Material: Tempered Soda Lime Glass; Frosted
Transformer: 220-240V AC, 50/60Hz to 24V DC -Inline
Wiring: 100` 16/3 SOOW Cable
Cord Cap: 6-15, L6-15, BS1363, Schuko, or Pigtail
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
cULus LISTED E30252
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 EHL-LED-ITG-240X24V-50 from Larson Electronics is an Explosion Proof LED Handlamp that is ideal for general lighting, detailed tasks and inspections in hazardous locations. This 15-watt unit features 2,400 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 220-240V AC down to low voltage DC.

The EHL-LED-ITG-240X24V-50 is designed for handheld or hands-free illumination in hazardous locations. This 15-watt unit is compatible with mainstream outlets, operating on 220-240V AC, 50/60Hz which is stepped down to 24V DC via an inline transformer for low voltage applications. When in use, the lamp emits 2,400 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



Click Photos to Enlarge



With the EHL-LED-ITG-240X24V-50

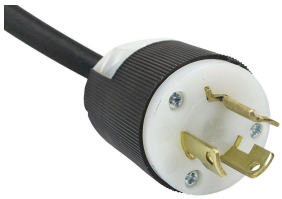
Click Photos to Enlarge

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.

Click Photos to Enlarge



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This general use high bay LED light fixture is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

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.

Made in USA Quality

1. Federal spec cord
2. Explosion proof
3. 15-watt 2,400-lumen LED lamp
4. Rugged aluminum alloy construction
5. Red and silver paint finish
6. Class I, Divisions 1 & 2 Groups C and D and Class II, Divisions 1 & 2 Groups F and G
7. 220-240V AC operation; stepped down to 24V DC
8. 16/3 SOOW cable
9. Annealed aluminum wire hook for convenient placement

Lamp Features

1. 15-watt LED light produces 2,400 lumens
2. Non-sparking aluminum housing
3. 50,000+ hour LED Lamp
4. Tempered soda lime frosted glass globe
5. Integrated lamp shock absorbers prevent drop damage
6. Swivel hook for hanging and hands free operation
7. General area cord cap options

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Frequently Asked Questions (FAQ)

There are no Faqs



Image:



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Product ID: 277882

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

Options:

-Cord Cap-Output Voltage
Example: -6.15-12V

Cord Cap	
6-15 STRAIGHT	-6.15
L6-15 TWIST	-L6.15
UK BS1363	-BS1363
INTL SCHUKO	-Schuko
PIGTAIL	-Pigtail

Output Voltage	
12V DC	-12V
24V DC	-24V

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/277882.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/277882.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/277882.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/277882.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/277882.JPG)
- **Video1**(https://www.youtube.com/watch?v=-SHo0qDzhp8)
- **Video2**(https://www.youtube.com/watch?v=RN8zPKIUaiM)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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