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HAL-13-8W-LED-DIMM-10C-JB-1227

10W Explosion Proof LED Light - 120-240V w/ Stepdown Transformer - 0-10V Dimmable - 10' 16/5 Cord

Product ID: 147342

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.

HAL-13-8W-LED-DIMM-10C-JB-1227 Hazardous Location Dimmable LED Lighting

Lamp Type: LED

Dimensions: Lamp 13.38"-L x 2.68"-W x 1.69"-D

Weight: 0.7 lb | 0.3 kg
Watts: 10
Voltage: 120-240 V

Lumens: 1300

Luminous Efficacy: 130 Lm/W

Lamp Life Expectancy: 100,000 Hours
CRI: 75

Amps: 0.087 A @ 120 V AC | 0.043 A @ 240 V AC

Light Color: 6500K
Beam Type: 100° Flood
Mounting: 1/4" - 20 Screws / Aluminum 1" Yoke
Temp Range: -40°C – +85°C
Wiring: 10' 16/5 Cord

ETL Listed

Class I Division 2 Groups A,B,C,D
NRTL Certified to CSA 22.2 No. 250.0
NRTL Certified to UL 1598
IP54 Ingress Protection
T3 Temperature Rating
0-10V Dimmable

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

The HAL-13-8W-LED-DIMM-10C-JB-1227 from Larson Electronics is a Low Voltage Hazardous Location LED Dimmable Lighting Solution approved for

Class I Division 2 environments and U.L. 1598 compliant for use in wet locations. This powerful LED strip light produces 1,300 lumens while drawing only 10 watts, operates on 120-240 V AC with a step down transformer, and is suitable for a variety of applications.

The HAL-13-8W-LED-DIMM-10C-JB-1227 dimmable LED light fixture is designed to provide a high output and ruggedly durable lighting solution for applications where Class I Division 2 compliance is required. This low voltage hazardous area light can be operated with 120-240 volt AC current and includes 10 feet of connecting lead with standard two wire configuration. This light is constructed of powder coated extruded aluminum for excellent strength and durability and is rated IP54 for protection against exposure to water spray and limited dust ingress. These units are configured in a 13" long strip or "bar" profile for installation in locations where wide dispersal and a low profile is preferred. The high output, cool running operation, and good color rendering properties of this light make it an ideal replacement for older, bulkier, and less reliable incandescent and halogen light fixtures.

This LED light fixture features 0-10V dimming capabilities. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. The 0-10V dimming allows for adjustments to fit the brightness needs of any lighting situation. A 0-10V dimmable light works through the use of a DC control signal that ranges between zero and ten volts. The basic idea is that at 10 volts of input the light is at its brightest level with 0 volts being the lowest possible dimness setting. The smooth, continuous and flicker-free dimming of a 0-10V dimmable LED light is ideal for a wide range of different lighting applications.

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.

Durability/Mounting: The HAL-13-8W-LED-DIMM-10C-JB-1227 hazardous location dimmable LED light is constructed of extruded aluminum with a tough powder coat finish for high strength and durability. The housing is IP54 rated, providing limited ingress protection against dusts, and protection against light water spray such as rain. This design is weather resistant, suitable for indoor or outdoor applications, and ideal for areas where wetness or dusty conditions are commonly encountered.

The LEDs in this unit are Cree X-Lamp XR-E units that have been chosen for their high lumen per watt ratio and extreme long life. These Cree LEDs provide over 130 lumens per watt output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than comparable LEDs.

Mounting for this unit is provided by two standard adjustable end brackets that allow operators to mount the light to flat surfaces and then adjust the light vertically for the best placement. The entire assembly weighs 0.7 lb and measures 13.4 inches in length and 2.68 inches wide and 1.69" deep, making it ideal for mounting in areas where space is limited and a low profile fixture more readily installed.

Wiring/Power: These hazardous location LED lights are equipped with 10 feet of 16/5 cord. No cord cap is included with this unit. These lights operate from 120-240 volt AC current at 10 watts drawing 0.087 amps on 120 V AC and 0.043 amps

on 240 V AC.
Versatility: The HAL-13-8W-LED-DIMM-10C-JB-1227 is ETL approved for Class I Division 2 groups A, B, C and D locations. This unit carries an IP56 waterproof rating ensuring protection against limited ingress from dusts, dirt, oils, and full protection against water sprayed at high pressure directly on the fixture. This light is ideal for indoor or outdoor applications and industrial operations with hazardous location classification where dusty or wet conditions are commonly encountered.
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)


A3
MISTER







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Product ID: 147342

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-13-8W-LED-DIMM-10C-JB-1227-Beam Config

Example: HAL-13-8W-LED-DIMM-10C-JB-1227-SP

Beam Config	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **MSDS (Material Safety Data Sheet**
- **Operations Manual**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**