

HAL-MJ-100W-ITG-LED-PC

13W Hazardous Location LED Fixture - C1D2 - Aluminum Body - NEMA 4 - Wire Guard - Polycarbonate Lens

Product ID: 148445

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-MJ-100W-ITG-LED-PC Hazardous Location LED Light Fixture

Type: LED

Ceiling Dimensions: 5.7" x 9.7"

Pendant Dimensions: 4.25" x 10.31"

Wall Dimensions: 6.9" x 12.8"

Stanchion Dimensions: 11" x 8.8"

Weight: 5 lbs

Voltage: 120-277V AC 50/60 Hz

Watts: 13

Lumens: 1,211

Color Temp: 5,000K

CRI: 70

Temperature Rating: -40°C to 55°C

Housing Materials: Copper-Free Aluminum Alloy

Finish: Baked Powder Epoxy/Polyester Finish

Mounting: Pendant, Ceiling, Wall or 1.25" Stanchion

Hub Size: 1/2" or 3/4"

Ratings/Features:

Class I, Div. 2, Groups A,B,C,D

Class I, Zone 2, Groups IIC, IIB, IIA

Class II, Div. 2, Groups F,G

Class III

Vibration Resistant

Suitable for Wet Locations

NEMA 3,4

Enclosed and Gasketed

Heat Resistant Tempered Globe

Wire Guard

Special Orders - Special Requirements

Contact us for special requirements

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The HAL-MJ-100W-ITG-LED from Larson Electronics is a Class I, Division 2 and Class II, Division 2 Hazardous Location LED Light Fixture. The 13-watt unit features a copper-free aluminum construction with a heat resistant tempered globe and wire guard for extra protection in hazardous locations. This luminary operates on 120-277V AC and is a

suitable replacement for 100-watt incandescent lights.

The HAL-MJ-100W-ITG-LED is a robust lighting solution for hazardous locations. This 13-watt unit comes with an acceptable operating temperature range of -40°C to 55°C and an operational lifespan of 50,000+ hours. During operation, the luminary emits 1,211 lumens of cool white light with a color temperature of 5,000K. The solid state design of the chip used in this hazardous location fixture means it is resistant to the effects of impacts and vibrations, providing added durability to withstand conditions that would cause a normal incandescent bulb to fail.

This LED light fixture is designed for rugged environments and work sites. Protecting the internal components is a copper-free aluminum alloy housing with a heat resistant tempered globe and wire guard. The LED board is solder-less, making it resistant to vibration. This hazardous location LED light is equipped with the following classifications: Class I, Div. 2; Class I, Zone 2; Class II, Div. 2; and Class III. The luminary is suitable for wet locations and operates on 120-277V AC.

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.

Mounting: The HAL-MJ-100W-ITG-LED is available in pendant, ceiling, wall or 1-1/4" stanchion configurations. Hub size options include 1/2" or 3/4". Please select the preferred mounting style and hub size below.

Applications: Hazardous locations, oil and gas, chemical processing plants, refineries, food factories, grain storage, silos, gas stations, fiber processing, woodshops, industrial facilities 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.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 80% lumen output after 50,000 operating hours.
6. Epoxy coated aluminum fixture body.
7. Wall, Stanchion, Pendant or Ceiling mounts available.
8. Low profile - Light weight
9. 1,211 Lumen output from 13 watts

Superior LED Benefits

1. 50,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.

- 13. Significantly cooler operation.
- 14. Less frequent outages, higher output improves workplace safety.

Frequently Asked Questions (FAQ)









HAL-MJ-100W-ITG-LED-PC

Product ID: 148445

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-MJ-100W-ITG-LED-PC-Hub Config-Mount

Example: HAL-MJ-100W-ITG-LED-PC-12-PND

Hub Config	
1/2	-12
3/4	-34

Mount	
PENDANT	-PND
CEILING	-CLG
WALL	-WAL
STANCHION	-STAN

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