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HAL-24-16W-LED-JB-1227-M

20W LED Fixture for Hazardous Location Lighting - 120-240V - C1D2 - 2600 Lumens - Magnet Mount

Product ID: 152582

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-24-16W-LED-JB-1227-M Hazardous Location LED Lighting

Lamp Type: LED
Dimensions: Lamp 24.9"L x 2.68"W x 1.69"D
Weight: 1.8 lb | 0.9 k g
Watts: 20W
Voltage: 120-240V AC
Lumens: 2600
Luminous Efficacy: 130 Lm/W
Lamp Life Expectancy: 100,000 Hours
CRI: 75
Light Color: 6500K
Beam Type: 100° Flood
Mounting: Magnet Mount - (2) 100 lb Magnets
Temp Range: -40°C - +85°C
Wiring: 5Ft Lead w/ EPP-15A Explosion Proof Plug

Approvals/Ratings

Class I Division 2 Groups A, B, C or D
CSA 22.2 No. 250.0
UL 1598
IP54 Ingress Protection
T3 Temperature Rating

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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Buy American Compliant

The HAL-24-16W-LED-JB-1227-M from Larson Electronics is a High Voltage Hazardous Location Magnet Mount Lighting Solution that is approved for Class I Division 2 environments and UL 1598 compliant for use in wet locations. This powerful 24.9" long LED strip light produces 2,600 lumens, operates from 120 to 240V AC, and is suitable for a variety

of applications.
The HAL-24-16W-LED-JB-1227-M is designed to provide a high output and ruggedly durable lighting solution for applications where Class I Division 2 compliance is required. This explosion proof light can be operated with voltages ranging from 120V to 240V and includes 5 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 splashing water and limited dust ingress. These units are configured in a 24.9" 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 HID and halogen light fixtures.
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-24-16W-LED-JB-1227-M hazardous location 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 basic protection against splashing water 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: The HAL-24-16W-LED-JB-1227-M is equipped with two 100 lb magnets spaced evenly along the length of the light. The magnets allow for quick and secure mounting on flat, magnetic surfaces. The entire assembly weighs 1.8 lbs and measures 24.9 inches in length, and 2.68 inches wide and 1.69 inches 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 5 feet of cord containing an explosion proof 5-15 plug rated at 15 amps. These lights operate from 120-240 volt AC at drawing 0.014 amps on 120V AC and 0.067 amps on 240V AC.
Versatility: The HAL-24-16W-LED-JB-1227-M is ETL approved for Class I Division 2 groups A, B, C and D locations. This unit carries an IP54 water resistant rating ensuring protection against limited ingress from dusts, dirt, and basic protection against light water spray landing 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)

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HAL-24-16W-LED-JB-1227-M

Product ID: 152582

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

Options:

HAL-24-16W-LED-JB-1227-M-Beam Angle

Example: HAL-24-16W-LED-JB-1227-M-SP

Beam Angle	
SPOT	-SP
FLOOD	-FL

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Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **MSDS (Material Safety Data Sheet**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**