Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

HAL-24-16W-LED

20W LED Strip Light for Hazardous Location Lighting - 24" Surface Mount Bar - Class 1 Division 2

Product ID: 50933

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



Image: HAL-24-16W-LED

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 Hazardous Location LED Lighting

Listing: United States - Canada
Lamp Type: LED
Dimensions: 24.82" x 2.70" x 2.55"
Weight: 2.1 lb | 0.9 k g
Voltage: 11-25 Volts AC/DC (±10%)
Total Watts: 20
Total Lumens: 2,600
Luminous Efficacy: 130 Lm/W
Lamp Life: 50,000+ Hours
Color Temp: 5000K, 4000K, or 3000K
Color Rendering Index: >75 CRI
Beam Angle: Spot or Flood
Power Efficiency: >95%
Power Factor: 0.992
Amperage: 1.6 A @ 12 V, 0.83 A @ 24 V
Ambient Operating Temp Range: -40°C to +60°C
Operating Temp Rating: T3
Housing Material: Extruded Aluminum
Housing Finish: Powder Coated - Black
Lens Material: Polycarbonate
Mounting: Adjustable Swivel Mount Surface Bracket

Approvals/Ratings

NRTL Listed for United States and Canada
Class I Division 2 Groups A, B, C & D
NRTL Certified to CSA 22.2 No. 250.0
NRTL Certified to UL 1598
IP65 Ingress Protection
T3 Temperature Rating
70% Lumen Retention after 50,000 Hours
Factory Sealed Light Fixture

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Wiring: 6` 16/3 SOOW w/ Flying Leads

E-mail: sales@larsonelectronics.com

Buy American Compliant

The HAL-24-16W-LED from Larson Electronics is a Low Profile Hazardous Location Lighting Solution that is approved for Class I Division 2 Groups A, B, C & D environments and NRTL certified to UL 1598 compliant for use in wet locations. This powerful 24" long LED strip light produces 2,600 lumens, operates on 11-25 V AC/DC (±10%), and is suitable for a variety of applications.

The HAL-24-16W-LED is designed to provide a high output and ruggedly durable lighting solution for applications where Class I Division 2 compliance is required. This low profile hazardous location LED strip light can be operated operated on 11-25 V AC/DC (±10%) low voltage electrical current and includes 6 feet of connecting lead with flying leads. This light is constructed of powder coated extruded aluminum for excellent strength and durability and is rated IP65 for protection against exposure to low pressure water jets from all directions and sealed against dust penetration.

These units are configured in a 24" long strip or "bar" profile for installation in locations where wide dispersal and a low profile is preferred. Once installed, operators can rotate the light fixture side to side to position the light output as needed. 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.

The LEDs in this linear light are Cree LEDs 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. This LED light produces 2,600 lumens with color temperature options of 5000K, 4000K, or 3000K along with a color rendering index of 75 which produces colors and details much more accurately than incandescent, halogen, or fluorescent light fixtures.

Durability: The HAL-24-16W-LED hazardous area LED light is constructed of extruded aluminum with a tough powder coat finish for high strength and durability. The housing is IP65

rated, providing ingress protection against dusts, and protection against low pressure jets of water from all directions, such as wash-down areas. This design is weatherproof, suitable for indoor or outdoor applications, and ideal for areas where wet, damp, or dusty conditions are commonly encountered.

Mounting: 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 170° vertically for the best placement. The entire assembly weighs 2.1 lb and measures 24 inches in length, 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 is more readily installed.

Wiring/Power: This light operates on low voltage 11-25 V AC/DC (±10%) current. Each strip light is equipped with 6 feet of 16/3 SOOW cable for making power connections.

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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: HAL-24-16W-LED

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: HAL-24-16W-LED

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: HAL-24-16W-LED

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: HAL-24-16W-LED

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

HAL-24-16W-LED

Product ID: 50933

Warranty: 60 Months.

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

Options:

HAL-24-16W-LED-Color Temp-Beam Angle-Voltage
Example: HAL-24-16W-LED-56K-SP-12V

Color Temp	
56K	-56K
50K	-50K
45K	-45K
40K	-40K
35K	-35K
30K	-30K
27K	-27K

Beam Angle	
SPOT	-SP
FLOOD	-FL

Voltage	
12V	-12V
24V	-24V

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/50933.PDF)
- **DXF (2D CAD Model)**(https://www.larsonelectronics.com/images/product/DFX/50933.ZIP)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/50933.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/50933.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/50933.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/50933.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/50933.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/50933.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/50933.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/50933.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/50933.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/50933.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/50933.JPG)
- **Video1**(https://www.youtube.com/watch?v=Pb1d1uETmkA)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)