

Class 1 Division 2 Light for Hazardous Location Areas - LED -48' Light - 33Watts

Part #: HAL-48-33W-LED



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The Magnalight HAL-48-33W-LED is a low voltage explosion proof lighting solution approved for Class 1 Division 2 environments and U.L. 1598 compliant for use in wet locations. This powerful 46.88" long LED strip light produces 2416 lumens, operates from 12 or 24 VDC, and is available in a variety of configurations to allow tailoring to the specific requirements of various applications.

The HAL-48-33W-LED is designed to provide a high output and ruggedly durable lighting solution for applications where Class1 Division 2 compliance is required. This low voltage explosion proof light can be operated with either 12 or 24 volt DC current and includes 6 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 46.88" long strip or "bar" profile for installation in locations where wide dispersal and a low profile is preferred.

The HAL-48-33W-LED is also available with several options which allow operators to tailor their particular light to their intended application. These options include a 30 degree spotlight beam configuration for distance and a 100 degree configuration for wide area illumination, cool white, warm white, or neutral white color temperatures, and a variety of mounting options. 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.



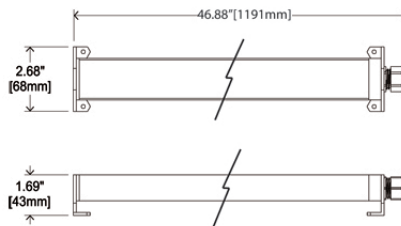
[Click Photo to Enlarge](#)

CLIP MOUNT

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SURFACE MOUNT

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Durability/Mounting: The HAL-48-33W-LED explosion proof 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 90 lumens per watt output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than comparable LEDs.

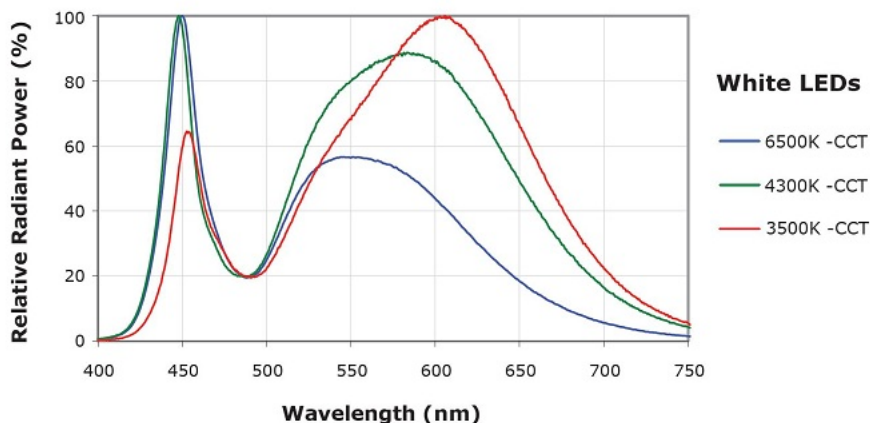
Mounting for this unit is provided by two standard adjustable end brackets that allow operators to mount the light to flat surfaces and then adjust the light 170° vertically for the best placement. Optional mounts include a pair of easy release clip mounts that allow operators to attach the mounts to the desired location, then simply snap the light into place or snap it out of the mounts as needed, and a sliding rail surface mount system that allows installation with a set of carriage bolts to allow mounting in locations where the mounting holes must be unevenly spaced. The entire assembly weighs 2.8 lbs and measures 46.88 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 explosion proof LED lights are equipped with 6 feet of cord containing a standard two wire (White+ Black-) connecting configuration. These lights operate from 12 or 24 volt DC current at 33.6 watts 2.64 amps on 12 VDC and 1.32 amps on 24 VDC.

Versatility: The HAL-48-33W-LED is approved for Class 1 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.

These lights are also available in a 30 degree spotlight configuration for long beam length or 100 degree flood configuration for wide area coverage. Operators can also choose from 6500K cool white output, 4500k neutral white output, or 3500k warm white output.

PHOTOMETRICS



Specifications / Additional Information**HAL-48-33W-LED Explosion Proof LED****Lamp Type:** LED**Dimensions:** Lamp 46.88"-L 2.68" -W 1.69"- D**Weight:** 2.8lb | 1.2 k g**Watts:** 33.6 W**Voltage:** 12-24 VDC**Lumens:** 2416**Lamp Life Expectancy:** 100,000 Hours**CRI:** CW: 75 | NW : 75 | WW: 80**Amps:** 2.64 A @12 VDC | 1.32 A @ 24 VDC**Light Color:** CW: 6500K | NW : 4300K | WW: 3500K**Beam Type:** 30° Spot or 100° Flood**Mounting:** Standard Triangle End Brackets**Temp Range:** -40°C – +85°C**Wiring:** 6Ft Lead | White: + Black: -**HAL-48-33W-LED Ratings/Approvals**

Class 1 Division 2 Groups A,B,C,D

CSA 22.2 No. 250.0

UL 1598

IP54 Ingress Protection

T3 Temperature Rating

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**E-mail:** sales@magnalight.com

3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics' Magnalight at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics Magnalight will provide a return label via email to the customer. When the failed light is returned, Magnalight will ship a new replacement.

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