

33 Watt Low Voltage LED Fixture for Hazardous Location Lighting - Low Profile Linear Fixture - C1D2

Part #: HAL-48-33W-LED

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The Larson Electronics HAL-48-33W-LED is a low voltage hazardous location lighting solution approved for Class 1 Division 2 environments and UL 1598 listed for use in wet locations. This powerful 46.88" long LED strip light produces 2416 lumens, operates from 12 or 24 VDC, and is suitable for a variety of 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 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.

Durability/Mounting: The HAL-48-33W-LED 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 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. The entire assembly weighs 2.8 lbs and measures 46.88 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 area 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 ETL 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.

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

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 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 will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

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

CSA 22.2 No. 250.0

598

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@larsonelectronics.com

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The Larson Electronics HAL-48-33W-LED-UVA is a low voltage ultraviolet hazardous location lighting solution approved for Class 1 Division 2 environments and UL 1598 listed for use in wet locations. This powerful 46.88" long LED strip light produces 19,200 mW radiant intensity, operates on 12 or 24 VDC, and is suitable for hazardous locations where UV lamps are used in paint and adhesive curing, food inspection or for non-destructive testing.

The HAL-48-33W-LED-UVA is designed to provide a high output and ruggedly durable lighting solution for applications where ultraviolet light is needed and Class1 Division 2 compliance is required. This low voltage hazardous location UV light that emits light in the ultraviolet spectrum. This 365NM strip light can be operated on either 12 or 24 volt DC current and includes 6 feet of connecting lead with standard two wire configuration. The housing 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 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.

The HAL-48-33W-LED-UVA uses LED light technology, a technology that is far better in energy saving than traditional fluorescent bulbs used for the same purposes. Traditional ultraviolet lights require a coating to block out visible light or a special composition of gases and chemicals used to create a higher concentration of ultraviolet light. This process, however, also produces many other wavelengths of light which go unused and end up as wasted energy. LED lights are unique in that they have a narrower wavelength band than traditional ultraviolet sources and therefore do not require these special coatings. As a result, LED lights do not produce unused, wasted light and therefore consume less energy than traditional UV lights on the market. LED lights have the added benefit of being capable of producing very specific wavelengths with tighter curves and are more durable and light weight as well.

The Class 1, Division 2 LED ultraviolet light fixture can be used for non-destructive testing in aviation and manufacturing, food processing and inspection, and in paint, coating, and adhesive curing. The HAL-48-33W-LED-UVA provides operators in hazardous locations with a reliable and durable UV lighting solution that combines effective production of UV light with explosion proof protection and is applicable for leak detection, paint spray booths, ink, coatings, and adhesive curing, non-destructive testing, inspection, and food processing.

Ultraviolet Wavelength: Ultraviolet A Wavelength produces a longer wave between the 400nm - 315nm spectrum. This explosion proof LED light has a peak wavelength of 365NM.

Durability: The HAL-48-33W-LED-UVA 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.

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 2.8 lbs and measures 46.88 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 area ultraviolet 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 33.5 watts drawing 2.8 amps on 12 VDC and 1.4 amps on 24 VDC.

Versatility: The HAL-48-33W-LED-UVA is ETL 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.

Specifications / Additional Information**HAL-48-33W-LED-UVA Hazardous Location LED Lighting****Lamp Type:** LED**Dimensions:** 46.88"-L 2.68" -W 1.69"- D**Weight:** 2.8lb | 1.2 k g**Watts:** 33.6**Voltage:** 12 or 24 VDC**Total Intensity:** 19,200 mW**Efficacy:** 573 mW/w**Lamp Life Expectancy:** 50,000 Hours**Amps:** 2.80 A @12 VDC | 1.40 A @ 24 VDC**Light Color:** 365NM - Ultraviolet**Beam Type:** 100° Flood**Mounting:** Standard Triangle End Brackets**Temp Range:** -40°C – +85°C**Wiring:** 6Ft Lead | White: + Black: -

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

UL 844

UL 1598

CSA 22.2 No. 137

CSA 22.2 No. 213

CSA 22.2 No. 250.0

IP54 Ingress Protection

T3 Temperature Rating

Special Orders- Requirements

Contact us for special requirements

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