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HAL-48-33W-LED-UVA

33.5 Watt Low Profile Ultraviolet LED Light for Hazardous Location Lighting - Low Voltage UVA Linear

Product ID: 105859

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-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: 5Ft 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.

Listings/Ratings

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 - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

Buy American Compliant

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 5 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 5 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.

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Frequently Asked Questions (FAQ)

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Product ID: 105859

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

Options:

HAL-48-33W-LED-UVA-Voltage

Example: HAL-48-33W-LED-UVA-12VDC

Voltage	
12 VOLT DC	-12VDC
24 VOLT DC	-24VDC

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **Dimensional Drawing 2D**
- **MSDS (Material Safety Data Sheet**
- **STEP File (3D CAD Model)**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**