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HAL-RA-48-4L-LED

112W Explosion Proof Paint Spray Booth Lay-In LED Fixture - C1D2 - (4) 4' Lamps - Rear Access

Product ID: 148487

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-RA-48-4L-LED Paint Booth LED Fixture

Listing: United States - Canada
Fixture Dimensions: 50.25"-L x 15.5"-H x 3.5"-D
Hole Dimensions: 47"-L x 1.03"-OD - per Lamp (4)
Weight: 42 lbs
Total Watts: 112W (28W per Lamp)
Voltage: 120-277V AC or 11-25V DC
Total Lumens: 14,000 (3,500 Lumens per Lamp)
Lamp Life Expectancy: 50,000+ Hours
Luminous Efficiency: 125 Lumens per Watt
Color Temp: 5,600K, 4,500K or 3,000K
CRI: >80
Beam Angle: 150°
Power Efficiency: 90%
Power Factor: >0.95
Operating Temp Range: -30° C to +85°C
Materials: Sheet steel
Lens Material: Hardened Borosilicate Glass
Mounting: Recessed Panel Mounting
Hub Options: 1/2" or 3/4" NPT Hub

Ratings

Class 1 Division 2, Groups A, B, C, D
Class 2 Division 2 Groups F,G
UL 1598
UL 844
T3C Temperature Rating
Certified Canadian Standards
Listed for Paint Spray Booths
California Title 24 Compliant

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics HAL-RA-48-4L-LED Paint Spray Booth Lay-In Panel Light Fixture is designed for robust illumination in hazardous locations. Consisting of four, 4` LED lamps, this 112-watt lighting system is a viable replacement for traditional fluorescent fixtures. During installation, this unit is mounted directly into the wall, with rear access to the internal components of the luminary. Voltage options include 120-277V AC or 11-25V AC/DC.

******PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE******

The HAL-RA-48-4L-LED is designed for integrated lighting requirements in paint spray booths and other hazardous locations. This 112-watt unit is made up of four, 4` LED tube-style fixtures (28 watts each), capable of emitting a total of 14,000 lumens (3,500 lumens per lamp). Operators can choose from the following color temperature options: 5,600K; 4,500K or 3,000K. For accurate color rendering, this LED lighting system supports a CRI rating of 80 and a flood beam configuration for maximum coverage over the target area.

The LED tubes inside this unit requires no ballast for operation. To increase safety during installation and routine maintenance, these lamps are wired for single sided power with an internal integrated LED driver housed within the tubes. The internal LED driver is a "smart" driver, sensing the incoming voltage and adjusting accordingly to provide the current required by the lamp. This allows operators to simply wire the fixture to voltage within the 120-277V range, no modifications required. This includes commonly found voltages such as 120V 60Hz, 220V 50Hz, 240V 60Hz and 277V 60Hz. We also offer a 11-25V AC/DC version for low voltage applications for AC or DC power. Low voltage fixtures require no modifications between 11-25V power sources, nor between alternating and direct current supply.

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. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.

Durability/Mounting: The HAL-RA-48-4L-LED is constructed of aluminum with hardened borosilicate glass lenses. This NEMA-rated fixture is suitable for Class I, Division 1 & 2 and Class II, Division 1 & 2 industrial facilities. For protection against the ingress of water, the unit features an IP67 rating.

This paint spray booth LED lighting system is designed for recessed mounting configurations and requires a mounting hole to be made in booth panels capable of accomodating the fixture`s housing in order to provide the maximum amount of space in paint spray booth enclosures. Hub size options for completing connections to the unit includes 1/2" or 3/4".

Applications: Paint spray booths and enclosed spaces where flammable chemical/petrochemical vapors are present.

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.

Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost.
3. Fixture constructed of 20 gauge steel with a baked on white enamel finish.
4. Relamping done via fixed hinge, drop open door.
5. Reflectors coated with high gloss reflective enamel finish.
6. 1/2" or 3/4" NPT conduit hub for wiring.
7. Integrally mounted magentic cutoff switch for connection to relay system allows automatic shutoff of paint system when fixture door is opened.
8. Low profile fixture housing is only 2 1/4" thick, providing the maximum amount of room in space limited spray booth enclosures.

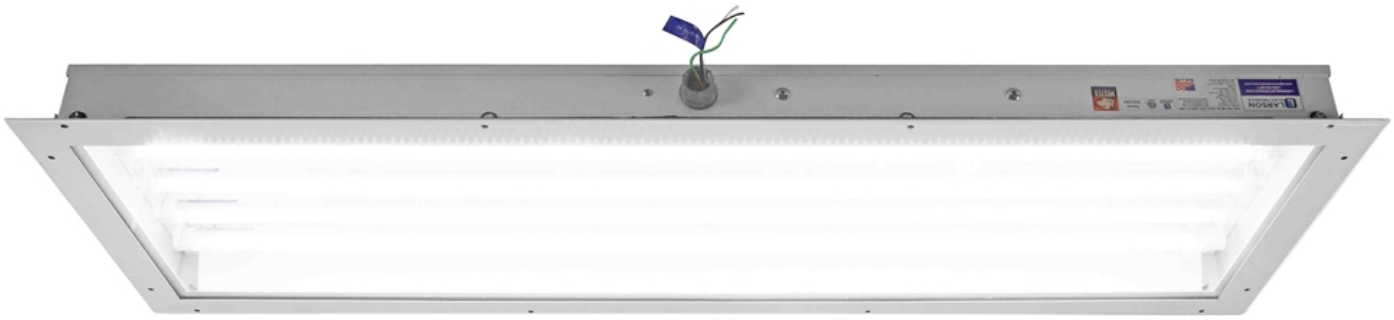
Lamp Options

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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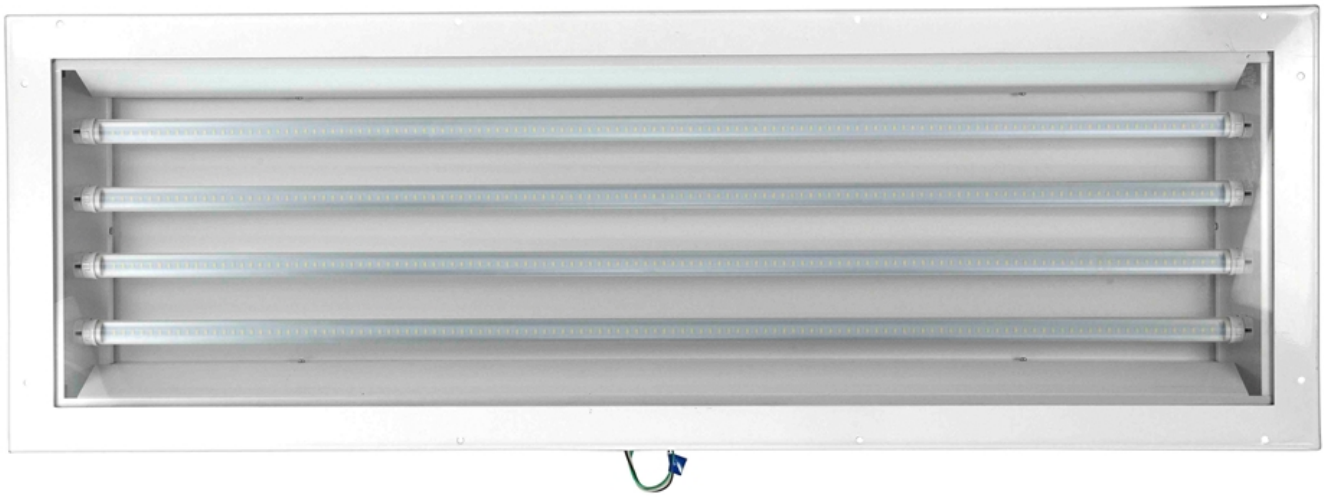
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Frequently Asked Questions (FAQ)









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HAL-RA-48-4L-LED

Product ID: 148487

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-RA-48-4L-LED-Voltage-Color Temp-Hub Config

Example: HAL-RA-48-4L-LED-1227-56K-0.5IN

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224

Color Temp	
5600K	-56K
4500K	-45K
3000K	-30K

Hub Config	
1/2	-0.5IN
3/4	-0.75IN

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **IES (Photometric File)**
- **Operations Manual**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**