Larson Electronics LLC
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RSLED-HP

100W Hazardous Location LED Light - C1D2 - 10,000 lms - Surface/Pendant Mount - IP68 - ATEX Rated

Product ID: 71161

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.

RSLED-HP ATEX-rated LED Light Fixture

Lamp Type: LED
Dimensions: 11.8"L x 11.8"W x 6.89"H
Weight: 16.53 lbs
Voltage: Universal- 90-305V AC, 50/60Hz
Total Watts: 100W
Total Lumens: 10,000
Luminous Efficacy: 100 Lm/W
LED Lamp Life Expectancy: 100,000+ Hours
Color Temp: 5700K, Cool White (Also available in 4000K and 2700K)
Beam Angle: 120°
Power Factor: ~0.98
Ambient Operating Temperature Range: -30°C to +65°C
Temperature Rating: T4
Ingree Protection: IP68
Housing Material: Die Cast Aluminum
Lens Material: Tempered Glass
Mounting: Surface or Pendant
Wiring: 10" 16/3 SOOW Cable with Flying Leads
Wiring Hub: 3/4" NPT

Ratings/Approvals

Listed for United States, Canada, Europe, International
Class I, Division 2, Groups A,B,C,D
IEC Ex / ATEX - Ex ec IIC T4 Gc
Approved for Zone 1, Zone 21
NRTL Certified to UL 844
NRTL Certified to UL 1598
NRTL Certified to C22.2 No. 137
NRTL Certified to C22.2 No. 250.0
NRTL Certifed to IEC 60079
NRTL Certifed to EN 60079
T4 Temperature Rating
PSE Certified, SAA Certified
IP68 Waterproof

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364

Housing Color: Grey

E-mail: sales@larsonelectronics.com

The Larson Electronics RSLED-HP Hazardous Location LED Light provides operators with powerful and energy efficient illumination in Class I, Division 2 and ATEX-rated work sites. This 100-watt unit is low profile and offers 10,000 lumens of output. LED technology and a sturdy design make this light perfect for a wide variety of illumination needs. Surface and pendant mounting options give operators versatility in light placement.

This Class I, Division 2 LED lamp provides 10,000 lumens of lighting power while drawing 100 watts. Constructed from durable die cast aluminum with a tempered glass lens, this hazardous location LED light is built to last. The LED light is rated for 100,000+ hours of lamp life and is ready to be mounted via the attached surface mount, as well as via pendant mounting. The RSLED-HP is also a great option when upgrading lighting from older and higher maintenance cost explosion proof lighting.

The RSLED-HP accepts a universal voltage range of 90-305V AC. It features 84 individual LEDs that offer high-quality light in a 120° beam spread. This light is also ATEX rated for European countries. Recommended in a color temp of 5700K, this light is also available in 4000K and 2700K. The cool white of a 5700K color temperature fixture provides clear, bright light for great illumination of any work area. A dust resistant coating protects the rear cooling fins from excessive dust build-up making this hazardous area LED lighting unit from overheating and compromising the lifespan of the LEDs.

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.

Wiring: The RSLED-HP is outfitted with 10" of 16/3 SOOW cable with flying leads.

Mounting: This low profile LED light fixture can be mounted in several different ways including a surface mount and also via pendant mounting. To pendant mount the RSLED-HP, operators can install a short piece of conduit leading to a junction box less than 10` away from the hazardous area light fixture. Electrical connections would then be made at the junction box rather than directly at the LED fixture. An adjustable bracket for surface mounting is attached to the back of this explosion proof LED light fixture. The bracket is adjustable via two set screws to accommodate various mounting angles.

Applications: Refineries, Storage Facilities, Gas and Oil Facilities, Wastewater and Sewage Plants, Gas Stations, Farm Buildings, Aerospace, Military

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.

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Frequently Asked Questions (FAQ)









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RSLED-HP

Product ID: 71161

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

Options:

RSLED-HP-Color Temp-Mount

Example: RSLED-HP-57K-SFC

Color Temp	
5700K	-57K
4000K	-40K
2700K	-27K

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- Dimensional Drawing 2D
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map