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ATEX-HAL-TRN-100W-LED-R1

100W Explosion Proof LED Fixture - 110-277V AC - ATEX/IECEx Rated, Z1/Z2, Z21/Z22 - IP66 - Outdoor

Product ID: 264653

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.

ATEX-HAL-TRN-100W-LED-R1 Flameproof Outdoor LED Light

Listing: International, European Union
Lamp Technology: LED
Dimensions: 24.8" x 18.1" x 5.31" (630mm x 460mm x 135mm)
Weight: 48.5 lb (22 kg)
Voltage: 110-277 V AC
Frequency: 50/60 Hz
Total Watts: 100 W
Total Lumens: 11,667 lms
Luminous Efficacy: 116.67 Lm/W
Expected Lamp Life: 50,000+ Hours
Color Temperature: 5700 K
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: 60°
Lighting Configuration: Wide Beam Pattern
Power Efficiency: -
Power Factor: >0.95
Amperage: 1.66 A @ 120 V, 0.83 A @ 240 V, 0.72 A @ 277 V

Ratings/Approvals

ATEX/IECEx Rated
Certified for Zone 1/Zone 2
Certified for Zone 21/Zone 22
Ex db eb op is B T* Gb
Ex tb op is C T* Db
Ex 2GD Ex db eb op is B T* Gb
Ex 2GD Ex tb op is C T* Db
CE Certified
IP66

Ambient Operating Temp Range: -20°C to +40°C/+55°C
Operating Temp Rating: T4/T5
Housing Material: Die Cast Aluminum Alloy
Housing Finish: Epoxy Resin Powder
Lens Material: Borosilicate Glass
Gasket Material: -
Mounting: Adjustable U-bracket Mount w/ (3) Mounting Holes
Terminals: L1, N - 0.03"-0.09" (1mm-2.5mm) + (2) PE - 0.09"- 0.23" (2.5mm-6mm)
Cable Entry: (1) 1" (M25) w/ Stopping Plug- Molded Plastic

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics ATEX-HAL-TRN-100W-LED-R1 Explosion Proof LED Fixture is designed for outdoor illumination in ATEX/IECEx rated flammable environments. This 100-watt flameproof fixture is compatible with 110-277 V AC, 50/60 Hz and emits a wide-beam configuration. Constructed of die-cast aluminum alloy with a borosilicate glass lens, the IP66-rated unit features an adjustable U-bracket mount for versatile installation on flat surfaces, walls or poles.
The ATEX-HAL-TRN-100W-LED-R1 is a powerful lighting solution for combustible facilities, industrial sites and outdoor locations. This 150-watt unit operates on 110-277 V AC, 50/60 Hz. Equipped with a slim design, the flameproof fixture offers a 60° wide-beam configuration which is ideal for casting light over large spaces. The outdoor LED light provides 11,667 lumens of output with a color temperature rating of 5700 K.
This explosion proof fixture is constructed of die-cast aluminum alloy, with an epoxy resin powder finish for corrosion resistance, and stainless steel hardware. The lens consists of borosilicate glass and is equipped with stainless steel fasteners. This IP66-rated unit comes with an approximate lifespan of 50,000+ hours and is suitable for ATEX/IECEx rated Zone 1/Zone 2 and Zone 21/Zone 22 flammable environments. Equipped with a T4/T5 temperature rating, the outdoor fixture can be used in locations with ambient temperatures ranging between -20°C to +40°C/+55°C.
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 ATEX-HAL-TRN-100W-LED-R1 features L1, N and two PE terminals for completing electrical connections. Rubber-coated or armored cables are fed through one 1" (M25) hub. This unit comes with one molded plastic stopping plug.
Mounting: This explosion proof light contains an adjustable U-bracket mount for mounting on flat surfaces, walls or poles. During installation, operators may secure the unit on the desired surface via three openings on the mounting bracket. After securing the fixture on the surface, simply tilt the light head up or down for accurate beam placement over the target area.
Suggested Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste water treatment plants, gas processing plants, offshore applications and more.
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)


Do not open while energized


Do not open while energized





ATEX-HAL-TRN-100W-LED-R1

Product ID: 264653

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

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map