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HAL-EMG-48-60W-ITG-LED

60 Watt Hazardous Location Integrated LED Light Fixture - Emergnecy Battery Backup - Failsafe Light

Product ID: 105802

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-EMG-48-60W-ITG-LED HAZLOC Failsafe Lighting

Listing: United States - Canada
Dimensions: W-5.76" x L-51" x H-3.92"
Weight: 32.9 Lbs
Voltage: Universal 120-277V AC 50/60 Hz
Total Watts: 60 watts
Total Lumens: 7,064
LED Lamp Life Expectancy: 60,000+ Hours
Luminous Efficacy: 117 Lumens per Watt
Color Temp: 5000K
Color Rendering Index: >70
Beam Angle: 160°
Battery AC Input Voltage: 120/277V AC 60Hz
Illumination Time: 90+ Minutes
Battery Lifespan: 7 to 10 Years
Battery Recharge Time: 24 Hours
Ambient Operating Temp Range:-30° C to +65°C
Operating Temp Rating: T6 Rated
Minimum Operating Temp: -30°C
Maximum Case Temp: +65°C
Housing Material: Copper Free Extruded Aluminum
Lens Material: Impact Resistant Polycarbonate
Gasket Material: Temperature Rated Silicone

Ratings/Approvals

Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Divisions 1 & 2, Groups E, F & G
UL 844 for Hazardous Locations
ANSI/UL 1598(A) Marine Type (Saltwater)
UL 8750 for LED Lighting
UL 924 for Emergency Lighting
CSA C22.2 No. 137-M1981
IEC Certified for Zone 2 & Zone 21
AEx nAII, Ex nAII
Ex nA IIC T6 to T3, Gc
Ex tb IIC T95°C Db
Tamb -50°C = Tz = +65°C
ATEX Certified
ABS Approved
IP66 Waterproof
NEMA 3, 4X
Approved for Confined Spares
No Glass - Group G - Food Suitable

Special Orders - Special Requirements

Contact us for special requirements

Mounting: Slot, Swivel, Wall or Ceiling Brackets, Beam Clamps

Wiring Hub: 1/2" NPT

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The Larson Electronics HAL-EMG-48-60W-ITG-LED 60 Watt Explosion Proof Linear LED Emergency Light with 90 minute battery backup has a T6 temperature rating and is approved Class 1 Division 2 and Class 2 Division 1 & 2. This durable and long-lasting explosion proof LED light is designed for installation in locations where flammable vapors and gases and combustible dusts and fibers exist or have the potential to exist as well as NEMA 3, 4X, IP66 locations where wind, water, snow, or high ambients can be expected

The Larson Electronics HAL-EMG-48-60W-ITG-LED 60 Watt Explosion Proof Linear LED Emergency Light generates almost double the lumens of a standard fluorescent fixture and provides crisp white light and high chromaticity for excellent color rendering but uses significantly less energy and produces less heat than fluorescent lighting. Measuring only 3.92” tall and 4.25’ long and weighing less than 40 lbs, this extremely low profile 60 watt LED fixture delivers 7,064 lumens while drawing only 0.50 amps on 120 volts (though it is compatible with all 120-277 VAC 50/60Hz). The HAL-EMG-48-60W-ITG-LED produces both more light output and superior quality light than traditional fluorescent lighting fixtures while at the same time offering substantially reduced energy use and increased reliability, longevity, and safety.

Unlike the glass tube design of traditional fluorescent lamps, these LED explosion proof linear lamps have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than fluorescent lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state LED design of the Larson Electronics HAL-EMG-48-60W-ITG-LED provides 212,000 hours of maintenance free operation before reducing to 70% of the original output, making it an altogether more reliable, stable, durable, cost-effective, and energy efficient light source over traditional fluorescent lighting.

The 60 watt LED is protected by a single impact and vibration resistant polycarbonate lens with a diffuse finish to reduce glare, and the LED assembly is housed within a low profile one piece copper-free extruded aluminum body designed to withstand hazardous and harsh conditions. A one wiring access plate makes for easy access to driver lead, and high temperature rated silicone gasketing between the lens and the housing provides NEMA 4X and IP66 sealing. Both the housing and the external screws are constructed to resist moisture, corrosion, ingress of dust and particles as well as being vibration and weather resistant. In addition to the rugged lens and body, the HAL-EMG-48-60W-ITG-LED comes equipped with supplemental 20kA/10kA surge protection and a 90 minute internal emergency battery backup.

The HAL-EMG-48-60W-ITG-LED is designed to accommodate a variety of mounting options include swivel brackets, wall and ceiling brackets, or beam clamps. The slot back design of the lamp allows multiple mounting access points across the length of the lamp. These slots can be used with 5/16” or 8mm bolts and nuts, three housing slots, one center back, and two at 45°. The end caps of the fixture each have two mounting feet built in, plus a safety strap attachment point. Additionally, each end cap features a 3/4” NPT hub, and the fixture comes furnished with one 3/4” close-up plug and two 3/4” to 1/2” reducers which provide 1/2” dead-end to 3/4” feed through flexibility.

The Larson Electronics HAL-EMG-48-60W-ITG-LED 60 Watt Explosion Proof Linear

LED Emergency Light is a tough, durable, and low to no maintenance alternative to traditional fluorescent lighting. Its versatile power and mounting options, extreme longevity, low energy consumption, high light output, ultra low profile, and rugged lens and body design make it ideal for a variety of applications including, but not limited to: both land based oil rigs and offshore oil platforms, chemical and petrochemical processing facilities, sewage treatment plants, garages, storage facilities, tunnels, and grain/food facilities. In addition, the HAL-EMG-48-60W-ITG-LED carries ABS type approval for marine applications including use on decks, vessels, platforms, barges, ships, boats, and is suitable for dock and marina operations.

Suggested Applications:

Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste treatment plants, gas processing plants.

Made in USA Quality

1. Each unit dielectrically tested.
2. Fixture arrives assembled to reduce installation time and cost. Flexible mounting options enable the operator to choose any mounting angle for the fixture.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy
4. No ballast box. No ballast to replace.
5. Heavy gauge extruded aluminum with high gloss reflective finish. Resists dents and corrosion.
6. Easy access to wiring hubs.

Superior LED Benefits

1. 212,000 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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Frequently Asked Questions (FAQ)







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Product ID: 105802

Warranty: 60 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**