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HAL-32-60W-ITG-LED

60W Hazardous Location Integrated LED Light Fixture - 7700 Lumens - Low Profile

Product ID: 106011

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-32-60W-ITG-LED HAZLOC LED Light Fixture
Listing: United States - Canada
Dimensions: 5.76"W x 32.6"L x 3.92"H
Weight: 18.9 lbs
Voltage: Universal 120-277V AC 50/60 Hz
Total Watts: 60 watts
Total Lumens: 7,709 (clear lens) 7,064 (frosted lens)
LED Lamp Life Expectancy: 212,000+ Hours
Luminous Efficacy: 128.48 Lumens per Watt
Color Temp: 5000K
Color Rendering Index: >70
Beam Angle: 160°
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
Lens Options: Clear or Frosted
Gasket Material: Temperature Rated Silicone
Mounting: Slot, Swivel, Wall or Ceiling Brackets, Beam Clamps
Wiring Hub: 1/2" or 3/4" NPT

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
NRTL Certified to UL 844 for Hazardous Locations
NRTL Certified to UL 1598(A) Marine Type (Saltwater)
NRTL Certified to UL 8750 for LED Lighting
NRTL Certified to CSA C22.2 No. 137-M1981
NRTL Certified to 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
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The Larson Electronics HAL-32-60W-ITG-LED 60 Watt Explosion Proof Low Profile Linear LED Light has a T6 temperature rating and is approved Class I Division 2 and Class II Divisions 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-32-60W-ITG-LED 60 Watt Explosion Proof Linear LED 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 2.72` long and weighing less than 20 lbs, this extremely low profile 60 watt LED fixture delivers 7,709 lumens (with clear lens) while drawing only 0.5 amps on 120 volts (though it is compatible with all 120-277 VAC 50/60Hz). The HAL-32-60W-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.

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.

The 60 watt LED is protected by a single impact and vibration resistant polycarbonate lens with either a frosted finish to reduce glare or a clear finish to maximize light output 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-32-60W-ITG-LED comes equipped with supplemental 20kA/10kA surge protection.

The HAL-32-60W-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 choice of a 1/2" or 3/4" NPT hub, and the fixture comes furnished with one 3/4" close-up plug.

The Larson Electronics HAL-32-60W-ITG-LED 60 Watt Explosion Proof Linear LED Low Profile 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-32-60W-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.
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 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.
7. 7,709 lumens (7,064 with Diffused Lens) while drawing only 60 watts.

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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HAL-32-60W-ITG-LED
Product ID: 106011

Warranty: 60 Months

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

Options:
HAL-32-60W-ITG-LED-Diffusion-Hub Config
Example: HAL-32-60W-ITG-LED-CLR-0.5IN

Diffusion	
CLEAR	-CLR
FROSTED	-FRST

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

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **Certificate 1, Misc**
- **IEC Ex Certificate (International Explosion Proof)**
- **IES (Photometric File)**
- **Operations Manual**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**