

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



**HAL-60-120W-ITG-LED HAZLOC LED Light Fixture**

**Listing:** United States - Canada

**Dimensions:** 5.76"W x 57.9"L x 3.92"H

**Weight:** 36.5 lbs

**Voltage:** Universal 120-277V AC 50/60 Hz, 12-24V DC or 120-250V DC

**Total Watts:** 120 watts

**Total Lumens:** 16,467 (clear lens) 15,090 (frosted lens)

**LED Lamp Life Expectancy:** 212,000+ Hours

**Luminous Efficacy:** 137.225 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" NPT

**Ratings/Approvals**

Class I Division 2 Groups A, B, C & D

Class I Zone 2 Groups IIC, IIB & IIA

Class I Zone 2 Groups IIC, IIB & IIA

NRTL Certified to UL 844 for Hazardous Locations

NRTL Certified to ANSI/UL 1598(A) Marine Type (Saltwater)

NRTL Certified to UL 8750 for LED Lighting

NRTL Certified to 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

T6 Temperature Rating

NEMA 3, 4X

Approved for Confined Spaces

No Glass - Group G - Food Suitable

**Special Orders- Requirements**

Contact us for special requirements

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**The Larson Electronics HAL-60-120W-ITG-LED 120 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-60-120W-ITG-LED 120 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 4.83' long and weighing less than 40 lbs, this extremely low profile 120 watt LED fixture delivers 16,467 lumens while drawing

only 1 amps on 120 volts (though it is compatible with all 120-277 VAC 50/60Hz). We also offer a low voltage model that operates on 12-24V DC. A unit that operates on 120-250V DC is also available. The HAL-60-120W-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 120 watt LED is protected by a single impact and vibration resistant polycarbonate lens with 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-60-120W-ITG-LED comes equipped with supplemental 20kA/10kA surge protection.

The HAL-60-120W-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-60-120W-ITG-LED 120 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-60-120W-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

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lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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### **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. 16,467 lumens (15,090 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)

**Warranty:** 60 Months

**Options:**

**-Voltage-Diffusion**

**Example: -1227-CLR**

Voltage	
120-277V AC	-1227
12-24V DC	-1224
120-250V DC	-1225

Diffusion	
CLEAR	-CLR
FROSTED	-FRST



Links (Click on the below items to view):

- [ISO 9001 Certification](#)
- [Business Certificate](#)