

## HAL-12-IPS-LED-1227

### 10 Watt LED Light Fixtures for Hazardous Location Illumination - 120-240V w/ Stepdown Transformer

Product ID: 149487



Image: HAL-12-IPS-LED-1227

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-12-IPS-LED-1227 Hazardous Location LED Lighting

**Lamp Type:** LED

**Dimensions:** Lamp 13.38"-L 2.68" -W 1.69"- D

**Weight:** 0.7lb | 0.3 k g

**Watts:** 10

**Voltage:** 120-240

**Lumens:** 1250 (125 Lm/W)

**Lamp Life Expectancy:** 100,000 Hours

**CRI:** 75

**Amps:** 0.067 A @120 VAC | 0.034 A @ 240 VAC

**Light Color:** 6500K

**Beam Type:** 100° Flood

**Mounting:** 1/4" - 20 Screws /Aluminum 1" Yoke

**Temp Range:** -40°C – +85°C

**Wiring:** 5Ft Lead w/ EPP-15A Explosion Proof Plug

#### ETL Listed

Class 1 Division 2 Groups A,B,C,D

CSA 22.2 No. 250.0

UL 1598

IP54 Ingress Protection

T3 Temperature Rating

#### Special Orders - Special Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

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**Buy American Compliant**

The Larson Electronics HAL-12-IPS-LED-1227 is a low voltage hazardous location lighting solution approved for Class 1 Division 2 environments and U.L. 1598 compliant for use in wet locations. This powerful LED strip light produces 1250 lumens, operates on 120-240 VAC with a step down transformer and is suitable for a variety of applications.

The HAL-12-IPS-LED-1227 is designed to provide a high output and ruggedly durable lighting solution for applications where Class 1 Division 2 compliance is required. This low voltage hazardous area light can be operated with 120-240 volt AC current and includes 5 feet of connecting lead with standard two wire configuration. This light is constructed of powder coated extruded aluminum for excellent strength and durability and is rated IP54 for protection against exposure to water spray and limited dust ingress. These units are configured in a 13" long strip or "bar" profile for installation in locations where wide dispersal and a low profile is preferred. The high output, cool running operation, and good color rendering properties of this light make it an ideal replacement for older, bulkier, and less reliable incandescent and halogen light fixtures.

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**Durability/Mounting:** The HAL-12-IPS-LED-1227 hazardous location LED light is constructed of extruded aluminum with a tough powder coat finish for high strength and durability. The housing is IP54 rated, providing limited ingress protection against dusts, and I protection against light water spray such as rain. This design is weather resistant, suitable for indoor or outdoor applications, and ideal for areas where wetness or dusty conditions are commonly encountered.

The LEDs in this unit are Cree X-Lamp XR-E units that have been chosen for their high lumen per watt ratio and extreme long life. These Cree LEDs provide over 90 lumens per watt output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than comparable LEDs.

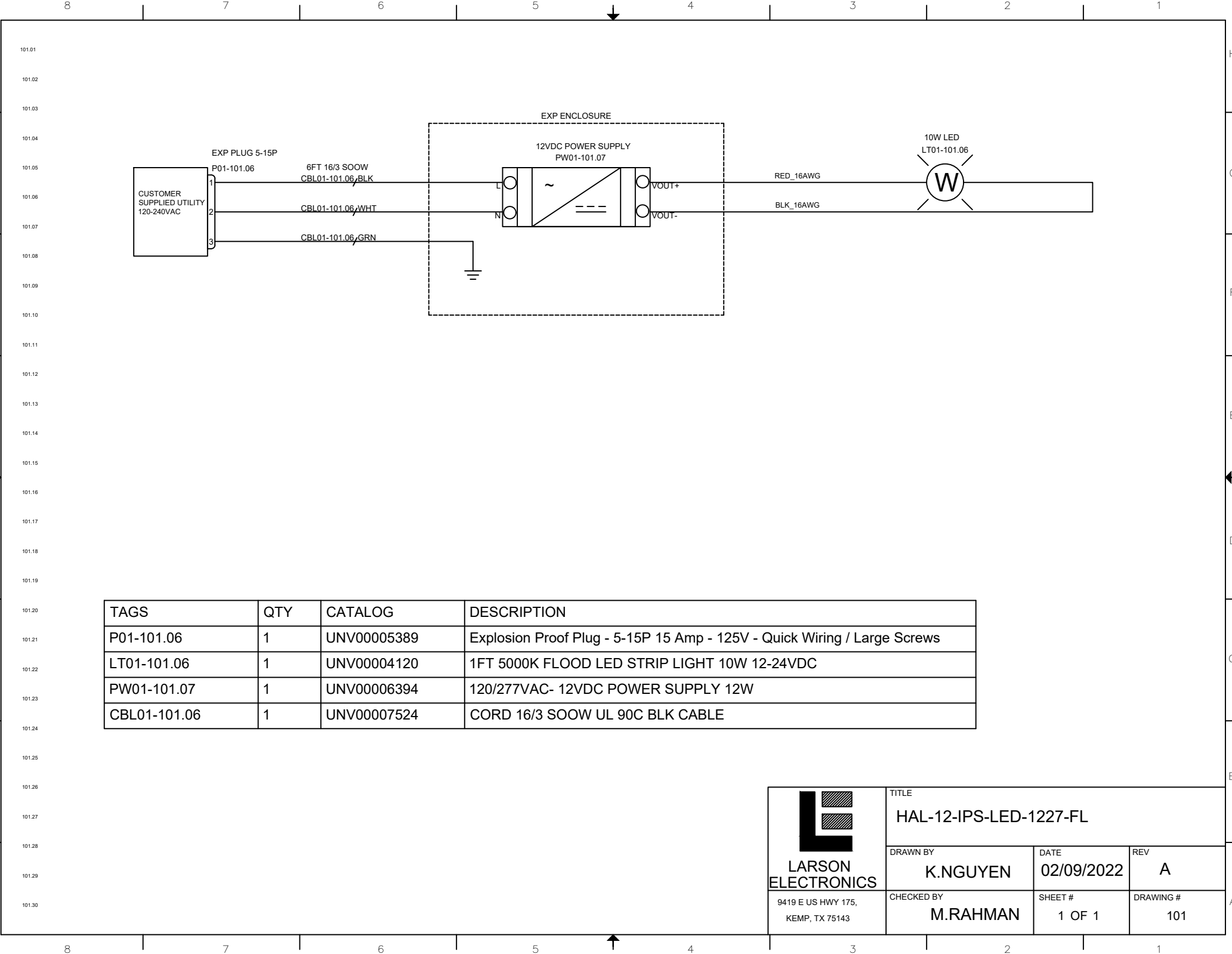
Mounting for this unit is provided by two standard adjustable end brackets that allow operators to mount the light to flat surfaces and then adjust the light vertically for the best placement. The entire assembly weighs 0.7 lbs and measures 13.4 inches in length and 2.68 inches wide and 1.69" deep, making it ideal for mounting in areas where space is limited and a low profile fixture more readily installed.

**Wiring/Power:** These hazardous location LED lights are equipped with 6 feet of cord containing an explosion proof 5-15 plug rated at 15 amps. These lights operate from 120-240 volt AC current at 8 watts drawing 0.067 amps on 120 VAC and 0.034 amps on 240 VAC.

**Versatility:** The HAL-12-IPS-LED-1227 is ETL approved for Class 1 Division 2 groups A,B,C and D locations. This unit carries an IP56 waterproof rating ensuring protection against limited ingress from dusts, dirt, oils and full protection against water sprayed at high pressure directly on the fixture. This light is ideal for indoor or outdoor applications and industrial operations with hazardous location classification where dusty or wet conditions are commonly encountered.

|                                                                                     |                    |   |   |   |   |   |            |
|-------------------------------------------------------------------------------------|--------------------|---|---|---|---|---|------------|
| 8                                                                                   | 7                  | 6 | 5 | 4 | 3 | 2 | 1          |
| REV                                                                                 | DESCRIPTION        |   |   |   |   |   | DATE       |
| A                                                                                   | PRODUCTION RELEASE |   |   |   |   |   | 02/09/2022 |
| HAL-12-IPS-LED-1227-FL                                                              |                    |   |   |   |   |   |            |
|  |                    |   |   |   |   |   |            |





| TAGS         | QTY | CATALOG     | DESCRIPTION                                                              |
|--------------|-----|-------------|--------------------------------------------------------------------------|
| P01-101.06   | 1   | UNV00005389 | Explosion Proof Plug - 5-15P 15 Amp - 125V - Quick Wiring / Large Screws |
| LT01-101.06  | 1   | UNV00004120 | 1FT 5000K FLOOD LED STRIP LIGHT 10W 12-24VDC                             |
| PW01-101.07  | 1   | UNV00006394 | 120/277VAC- 12VDC POWER SUPPLY 12W                                       |
| CBL01-101.06 | 1   | UNV00007524 | CORD 16/3 SOOW UL 90C BLK CABLE                                          |



**LARSON  
ELECTRONICS**

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TITLE  
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DRAWN BY  
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CHECKED BY  
**M.RAHMAN**

DATE  
**02/09/2022**

SHEET #  
**1 OF 1**

REV  
**A**

DRAWING #  
**101**











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## Frequently Asked Questions (FAQ)

There are no Faqs