

## **EPL-SMLED-20W**

**Explosion Proof Surface Mount LED Light - 20 Watts - Weatherproof - Aluminum Construction**

**Product ID: 50833**

**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.

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### **EPL-SMLED-20W LED Light**

**UL Listing:** United States/Canada

**Dimensions:** 10.5"-W 17.5"-H 13.9"-Depth

**Weight:** 28 Lbs

**Total Watts:** 20

**Voltage:** Standard 9-48 Volts DC

**Amps:** 1.6

**Lamp Type:** Seoul LEDs

**Mounting:** Aluminum Permanent Mount

**Wiring:** 3/4" NPT Threaded Wiring Hub

**Operating Temp Range:** T3C Rated

**LED Lamp Life:** 50,000 Hours

**LED Output Color:** 6000K

### **UL and CSA Certified**

Class 1 Division 1 Groups C and D

UL Standard: UL 1598, UL 844

UL Listed: E10794

500 hour salt-spray tested. Per MIL-F-8115C

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### **Special Orders - Special Requirements**

Contact us for special requirements

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

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

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

### **Buy American Compliant**

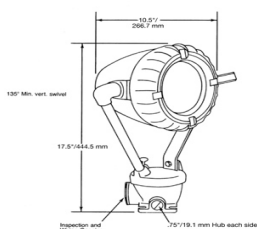
The EPL-SMLED-20W Explosion Proof LED Light is UL Listed Class 1 Division 1 Groups C and D, and is rated for use in wet and marine environments. The waterproof construction and bright white output of this LED lamp provides operators with high

**durability and low amp draw, making this LED light an excellent replacement light for specialty applications such as infrared spectroscopy analysis.**

The EPL-SMLED-20W Explosion Proof LED Light is designed for use in hazardous locations. This unit is equipped with a 20 watt LED lamp assembly that runs cooler, lasts far longer, and produces infrared light without the need for lenses or filters. This unit is waterproof and tested to 500 hours of salt spray exposure in accordance with MIL-F-8115C Military Specifications.



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This explosion proof LED light fixture is comprised of a 20 watt LED equipped light head, aluminum alloy yoke, and flat mounting based with preformed bolt slots designed to allow permanent mounting to flat surfaces. The entire unit is fabricated from heavy duty aluminum and is factory sealed and water tight. This unit requires no external seals, and the light head can be adusted through 135° of vertical movement. The yoke is formed of high strength aluminum alloy, the lens is thermal shock and impact resistant glass, and the entire housing is formed of cast aluminum with an aluminum enamel coating. The LED emitters in this unit are specially mounted to provide the highest output possible with little loss from lens diffusion.

The EPL-SMLED-20W LED light emitter from Larson Electronics produces 1800 lumens of bright light while drawing only 20 watts @ 1.6 amp from a 12 volt electrical system. Two Seoul Z-Power® 10 watt LED producing 900 lumens each are combined with high purity optics to produce a 10 degree spread spot beam. We also offer floodlight versions with a 35 degree beam spread to provide more light over a larger area nearer the fixture, making flood versions ideal for use as work lights. This LED lamp runs much cooler than incandescent lamps and has a far longer operational life of up to 50,000 hours as compared to the 600-100 hours for a standard halogen lamp. This greatly reduces the costs associated with frequently replacing lamps and servicing.

This light is designed to operate with 9 to 48 volts DC standard. This low voltage design allows direct connection to low voltage DC power sources without the need for transformers or inverters. This infrared lamp is extremely rugged and sealed against intrusion from water or dust making it ideal for use in marine evnvironments where damage due to salt water spray and dampness is an issue. This explosion proof IR light is approved Class 1 Division 1 Groups C and D as well as UL Standard 1598, and 844 compliant.

#### **Made in the USA Quality**

1. Thick cast aluminum construction.
2. Thermal shock and impact resistant glass lens.
3. Aluminum alloy yoke.
4. High stability permanent mount pedestal base..
5. Factory sealed, no external seals required.
6. 500 hour salt-spray tested. Per MIL-F-8115C.
7. Low Maintenance.
8. LED lamp lasts longer, uses less power, and creates less heat.
9. Explosion proof.

10. Corrosion Resistant.

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## Frequently Asked Questions (FAQ)









**EPL-SMLED-20W**

**Product ID: 50833**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**EPL-SMLED-20W-Voltage-Beam Config**

**Example:** EPL-SMLED-20W-120-S

| Voltage             |      |
|---------------------|------|
| 120/240 VOLTS<br>AC | -120 |
| 12 VOLTS DC         | -12  |
| 24 VOLTS DC         | -24  |

| Beam Config         |     |
|---------------------|-----|
| SPOT                | -S  |
| FLOOD               | -F  |
| SPOT/FLOOD<br>COMBO | -SF |

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [DXF \(2D CAD Model\)](#)
- [STEP File \(3D CAD Model\)](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)