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## EPL-20W-G2-SGM

# 20W Explosion Proof Rechargeable HID Sight Glass Light - Class I, II Div 1 - Quick Disconnect

**Product ID: 266564**

**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.**

**EPL-20W-G2-SGM Explosion Proof Sight Glass Light**

**Listing:** NRTL Listed for United States & Canada
**Lamp Type:** Rechargeable Xenide HID
**Dimensions:** -
**Weight:** -
**Charger Voltage:** 120-240V AC, 50/60Hz
**Total Watts:** 20 Watts
**Lumens:** 1,200
**Lux @ Lens:** 182,000
**Lux @ 10':** 5,140
**Luminous Efficacy:** -
**Lamp Life:** 2,500+ Hours
**Color Temp:** 6500K
**Color Rendering Index:** -
**Beam Angle:** 12°
**Lighting Configuration:** Spot Pattern
**Power Efficiency:** -
**Amps:** -
**Lens Temp:** 186°C
**Head Temp:** 90°C

**Ratings/Approvals**

Class I, Divisions 1 & 2, Groups A,B,C,D
Class II, Divisions 1 & 2, Groups E,F,G
IP68 Waterproof to 3 Meters

**Materials:** Aluminum Lamp Housing
**Mounting:** Sight Glass Bracket
**Battery:** 4,800 mAh Lithium Ion
**Runtime:** 140 Minutes
**Charging Protection:** Over Charge w/ LED Indicator
**Power/Wiring Disconnection:** Quick Disconnect

**Special Orders - Special Requirements**
Contact us for special requirements
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**The EPL-20W-G2-SGM from Larson Electronics is an Explosion Proof Rechargeable HID Sight Glass Light for use in rugged environments. Powered by a 4800mAh lithium-ion battery, this 20-watt unit offers 1,200 lumens of output during use. The HID light is secured on brackets for seamless surface mounting applications.**
The EPL-20W-G2-SGM is designed for illumination during tank monitoring or inspections in Class I and II, Divisions 1 and 2 rated locations. This HID sight glass light features a 140-minute runtime on a full charge. A single 20-watt short arc Xenide HID bulb powered by an internal ballast produces a 1,200 lumen beam. This light is IP68 rated waterproof, which is capable of withstanding submersion under pressure without damage. The HID bulb provides high power and efficiency as well as a 6500k color temperature, producing a powerful beam that is a brilliant white-blue in color.
This light has a single push button switch that allows easy one handed activation. The durable aluminum body has a black anodized coating to provide protection inside combustible facilities.
**Charging/Wiring:** This HID light is powered by a rechargeable 4,800mAh lithium-ion battery. The power cell can be charged by an included 100/240V AC, 50/60Hz charger with overcharge protection and LED indicator. A quick disconnect allows operators to remove the light for charging.
**Mount:** Equipped with adjustable legs at both sides of the unit, the explosion proof light is compatible with several mounting requirements and configurations. For sight glass/surface mounting, the device can be attached directly using a nut, flanged adapter collar or hinged bracket. Bracket components allow robust, angled positioning of the light head.
**A brief note about High Intensity Discharge (HID) lights:**

Incandescent lights have a bulb with a filament, much like the common household light bulb. A consistent amount of current is fed to the bulb. The filament glows and light and heat are produced. The filament glows because it is a poor conductor of electricity. Eventually the filament breaks due to vibration or diminished capacity. HID lights contain two electrodes and gases bounded by a glass bulb. A spark jumps across the electrodes igniting the gas. Initially, the amount of current required to ignite the gas is higher. Once the gas is lit, much less current is required to keep the gas burning.
A device called a ballast controls the amount of current sent to the bulb. HID lights use about 50% less energy than incandescent bulbs, which means longer battery life than halogen incandescent bulbs. More importantly, HID lights have no filament to break. Thus, the HID bulb life is around 2500 hours, compared to several hundred hours of the filament based incandescent bulb. The HID bulb is more efficient, so it produces much more light with less energy over a long period of time. The trade off, however, is that the ballast that sends current to the bulb is an expensive addition, increasing the cost of the light. The bulb itself is also significantly more expensive than halogen bulbs.)
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.

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# Frequently Asked Questions (FAQ)



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