

ATEX-EPSLED-80-SOL-20C-C1D2

Solar Powered Explosion Proof LED Strobe Light - 20' Cord - C1D2 Panel - ATEX Zone 1, 21

Product ID: 149264

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.

ATEX-EPSLED-80-SOL-20C-C1D2 Explosion Proof Solar Powered LED Strobe Lamp

Listing: United States & Canada

Lamp Type: Solar LED

Lamp Dimensions: 15.4"-L x 9.29"-D

Solar Panel Dimensions: 11-3/8"L x 15-3/4"D

Weight: -

Voltage: 12V DC

Battery: (4) 18aH Sealed Lead Acid Batteries

Runtime: -

Charging Time: 5 Hours

Total Watts: 7W

Candela: 1,235

LED Lamp Life Expectancy: 50,000+ Hours

Beam Angle: 360°

Lighting Configuration: Strobing Flash

Strobe Count: 4 per Second

Housing Material: Aluminum Alloy

Lens Material: Temperature-resistant Pressed Glass

Mounting: Wall, Pendant and Trunnion Mount

Wiring: 20' 12/2 SOOW Cord

Light Color Options: Red, Green, Blue, Amber or White

Ratings/Approvals

IECEX PTB 06.0049X

Ex de IIC T3, T4, T5, T6 1

PTB 03 ATEX 1096 (Zone 1)

Ex II 2 G EEx de IIC T. (Zone 1)

E II 2 D IP66 TO max. (Zone 21)

20' Cord Between Light/Panel

Saltwater Resistant Enclosure

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

Made in Texas

The ATEX-EPSLED-80-SOL-20C-C1D2 Solar Powered Explosion Proof LED Strobe Light from Larson Electronics is a reliable lighting solution for remote areas and standalone applications where connection to external power is either impractical or unavailable. This 7-watt strobe lamp offers 360 degrees of illumination and is ATEX rated for Zone 1 and 21. Charged by a Class I, Division 2 solar panel, four 12V AC 18aH sealed lead acid batteries provide constant, reliable power to the LED strobe light.

The ATEX-EPSLED-80-SOL-20C-C1D2 is a sustainable LED strobe lighting solution for hazardous locations and remote sites. This ATEX-rated 7-watt lamp operates on 12V DC and features a strobing flash lighting configuration, at a rate of 4 strobe counts per second. This solar-powered LED strobe light is constructed of aluminum with a temperature-resistant pressed glass lens. The saltwater resistant unit is ATEX rated for Zone 1 and 21 flammable environments. This level of protection offers safety in work sites where combustible gas, vapor or mist may exist during normal operations.

Charged by the Class I, Division 2 rated solar panel, four 12V AC 18aH sealed lead acid batteries provide constant, reliable power. The batteries, 24V Class I, Division 2 charge controller and battery disconnect are contained within a NEMA 4X remote enclosure and must be installed within a Class I, Division 2 environment. A 20' photovoltaic cable between the enclosure and light fixture allows for easy mounting of the panel and control box.

The control box is equipped with either a day/night sensor and motion sensor or with an on/off switch. The day/night and motion sensor is programmed to activate the solar panel in the evening and shut it off during the day, while the motion sensor will activate the panel upon detecting movement. The on/off switch will activate and shut off the solar panel according to the operator's preference.

Operators can switch between modes with a toggle switch.

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. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.

Power/Wiring: The ATEX-EPSLED-80-SOL-20C-C1D2 is powered by four 12V AC 18aH sealed lead acid batteries that are recharged by the solar panel. These rechargeable batteries provide a continuous supply of steady, reliable power. The lead acid battery pack is contained within the solar panel, not the light. This fixture ships with 20 feet of 12/2 SOOW cord that connects the explosion proof strobe light to the solar panel. Custom lengths are available upon request. Please contact us for special requirements.

Charging time for the battery bank is 5 hours when exposed to direct sunlight. As with all solar powered equipment, charging time is affected by the amount of available ambient light. Indirect sunlight and low ambient light levels, such as on cloudy days, will extend the charge time.

Mounting: The ATEX-EPSLED-80-SOL-20C-C1D2 is compatible with wall, pendant and trunnion mounting configurations. These options ensure maximum space-saving benefits and exposure of the LED strobe lamp during operation.

NOTE: *Larson Electronics has further upgraded the options available with this*

light. We expect the light to be mounted separately from the panel. This means the solar panel can be mounted in direct sunlight (not in the hazardous area) while the light is mounted in a hazardous area workspace. Standard installation for explosion proof lighting, including threaded rigid pipe to the LED light fixture and appropriate seal-offs, etc. are required.

Suggested Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste treatment plants, remote locations and more.

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.



Frequently Asked Questions (FAQ)



ATEX-EPSLED-80-SOL-20C-C1D2

Product ID: 149264

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

ATEX-EPSLED-80-SOL-20C-C1D2-Color-Function-Mount

Example: ATEX-EPSLED-80-SOL-20C-C1D2-RED-DAYNIGHT-CLG

Color	
RED	-RED
GREEN	-GRN
BLUE	-BLU
AMBER	-AMB
WHITE	-WHT

Function	
DAY-NIGHT	-DAYNIGHT
MOTION ONLY	-MOTIONONLY
ON-OFF ONLY	-ONOFF
NO CONTROLS	-NONE

Mount	
WALL	-CLG
PENDANT	-WLM
TRUNNION	-TRN

Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)