

EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C

C1D1 Solar Powered Explosion Proof LED Indicator Light - C1D2 Panel - Inline Switch

Product ID: 243705

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.

EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C Explosion Proof Solar Powered LED Indicator Lamp

Listing: United States & Canada

Lamp Type: Solar LED

Lamp Dimensions: 7.25"W x 15"H

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

Weight: 9 lbs (Light Only)

Voltage: 12 V DC

Battery: (4) 18 aH 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°

Operating Temp Rating: T3C

Housing Material: Cast Aluminum

Finish: Polyester Powder Coating

Mounting: Inverted Pendant Mount

Wiring: 20' 10/2 SOOW Cord Between Solar Panel & Battery Enclosure, 60' 10/2 SOOW Between Battery Enclosure & Inline Switch, & 20' 10/2 SOOW Between Inline Switch & Light

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

Ratings/Approvals

Class I, Div 1 & 2 Groups C, D

Class II, Div 1 & 2 Groups E, F

Class III, Div 1 & 2

NRTL Certified to UL 844

NRTL Certified to UL 1598 Marine Type

NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)

UL Certified - U.S./Canadian Safety Standards

IP67

NEMA 4X

Inline Tumbler Switch

Special Orders - Special Requirements

Contact us for special requirements

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Made in Texas

The EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C from Larson Electronics is a Solar Powered Explosion Proof LED Indicator Light that is a reliable lighting solution for remote areas and standalone applications where connection to external power is either impractical or unavailable. This 7-watt lamp offers 360 degrees of illumination and is protected by a cage guard. Charged by a Class I, Division 2 solar panel, four 12 V AC 18 aH sealed lead acid batteries provide constant, reliable power to the LED light. The EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C is outfitted with an explosion proof inline switch.

The EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C is a sustainable LED Indicator lighting solution for hazardous locations and remote sites. This explosion proof 7-watt lamp operates on 12 V DC. 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.

[Click Photo to Enlarge](#)

This solar-powered LED light is constructed of cast aluminum with a polyester powder coated finish. The IP67-rated unit comes with a T3C temperature rating. Designed for extreme work sites, the LED lamp is UL tested to withstand 1,490 lbs.

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: This EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C is powered by four 12 V AC 18 aH 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. 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.

Inline Switch: The EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C is equipped with the [EPL-SW1](#) explosion proof tumbler switch. The switch functions as the only means of powering the light on and off. The inline switch includes seal offs. The included seal offs are not filled so that operators may install them in the field. The required chico fiber and chico compound are also included.

Wiring: The EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C is equipped with 20 feet of 10/2 SOOW cord between the solar panel and battery enclosure, 60 feet of 10/2 SOOW between the battery enclosure and inline switch, and 20 feet of 10/2 SOOW between the switch and the light.

Mounting: The EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C features an inverted

pendant mount for compatible surfaces, walls or ceilings. This mounting configuration ensures maximum visibility of the explosion proof LED fixture.

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)

EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C

Product ID: 243705

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C-Color-Mount

Example: EPSLED-80-STB-SOL-60C-ILS-20C-C1D2-20C-RED-CLG

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

Mount	
CEILING	-CLG
WALL	-WLM
PENDANT	-PND

Links (Click on the below items to view):

- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)