

EXPLED-SOL12-WR

Solar Explosion Proof LED Light - C1D1 - 30' 12/2 SOOW Cord - EXP Wireless Remote, 12hr Runtime

Product ID: 280668

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.

EXPLED-SOL12-WR Solar Powered Explosion Proof Light

Solar Panel Specs

Solar Panel Dimensions: 14.3" x 27.89" x 3.19"

Weight: -

Panel Watts: 30W

Battery: (4) 8aH Sealed Lead Acid Batteries

Charging Time: 5 Hours

Runtime: 12 Hours

Operation: Manual On/Off

Light Control: Explosion Proof Wireless Remote

Panel Mounting: Flat Surface / Round/Square Pole

LED Light Specs

Listing: NRTL Listed for United States and Canada

Lamp Dimensions: 7.44" x 11.1"

Weight: -

Voltage: -

Lamp Watts: 12W

Lamp Lumens: 1,260 lms

Luminous Efficiency: -

LED Lamp Life: 50,000+ Hours

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

Color Rendering Index: -

Beam Angle: 360°

Lighting Configuration: Single Flash, Double Flash or Steady Burn

Ratings/Approvals

Class I, Division 1, Groups C, D

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

Class II, Division 2, Groups F, G

NEMA 4X

Suitable for Marine Environments

On/Off Switch Activation

Explosion Proof Wireless Remote w/ 200' Range

Ambient Operating Temp Range: -45° C to +55° C
Lamp Temp Rating: T6 - All Voltage and Temperature Ranges
Housing Material: Copper-free Aluminum Alloy
Housing Finish: Baked Powder Epoxy Finish
Lamp Mount: Wall, Ceiling, Pendant or 25° Stanchion
Wiring: 30' 12/2 SOOW Cord, Custom Lengths Available on Request
Lamp Hub: 3/4" Threaded

Special Orders - Special Requirements

Contact us for special requirements

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The EXPLED-SOL12-WR from Larson Electronics is a Solar Explosion Proof LED Light for remote areas and standalone applications where connection to external power is either impractical or unavailable. This unit offers 12 hours of continuous operation per charge and is equipped with an explosion proof wireless remote. The wireless remote features a range of 200 feet and has a single push button design.

This explosion proof LED light is powered by two 8aH sealed lead acid batteries charged by a 30-watt solar panel. Light output comes from a 12-watt LED lamp which produces 1,260 lumens. When fully charged, this luminary is capable of operating continuously for 12 hours. The battery pack in the EXPLED-SOL12-WR is contained within the solar panel, not the light. Illumination produced by the explosion proof LED light will cover an area approximately 55' L x 55' W when mounted 12 feet from the ground. LED color options include: red, amber, white, blue or green.

As with all solar powered equipment, charging time is affected by the amount of available ambient light. When ambient light levels drop below a certain level, such as on cloudy days, the unit will not recharge as quickly.

Remote Information: The wireless remote included with this system has a range of 200'. This remote can be used within hazardous environments. The wireless remote is of a single button design. One push of the button turns on the light and another push turns the light off.

Durability: This hazardous area light (lamp fixture only) is for Class I, Division 1 Groups C and D; Class I, Division 2 Groups A, B, C and D; and Class II, Division 2 Groups F and G. These lights are also compliant with NEMA 4X standards and marine-rated for use in salt water environments. The LED is protected by an internal cooling fin array that reduces heat build up for longer life and higher light output consistency. The housing is made of high strength copper-free aluminum alloy with a baked powder epoxy finish and is shown with a wall mount configuration, but can be configured with a pendant or ceiling mount as well. The fixture ships with 30 feet of 12/2 SOOW cable and custom lengths are available upon request. Please contact us for special requirements.

Mounting



Round Pole



Square Pole



Surface

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. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Applications: Chemical plants, oil refineries, wastewater facilities, solvent storage areas, food processing plants, emergency lighting, notification lighting and remote hazardous locations compatible with the unit.

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.

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)

EXPLED-SOL12-WR

Product ID: 280668

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EXPLED-SOL12-WR-LED Color-Light Mount-Pattern

Example: EXPLED-SOL12-WR-RED-WALL-SF

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

Light Mount	
WALL	-WALL
CEILING	-CLG
PENDANT	-PND
25° STANCHION	-STNM

Pattern	
SINGLE FLASH	-SF
DOUBLE FLASH	-DF
STEADY BURN	-STB

Links (Click on the below items to view):

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