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EPL-20W-LED-UV365

7W Explosion Proof UV LED Flashlight - C1D1, C2D1 - 365nm UV/200lm White - Battery Rechargeable

Product ID: 286133

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-LED-UV365 Explosion Proof LED Flashlight
Unit Type: Explosion Proof UV LED Light
Dimensions: -
Weight: 7 lb
Voltage: 120 V, 50/60 Hz, 240 V, 50/60 Hz or 12-24 V Charger for Docking Station
Watts: 7 Watts (Main), 2 Watts (Side)
Radiant Intensity: 10,000 uW (Main, Spotlight Only)
Lumens (Floodlight): 200 (Side, Floodlight Only)
Beam Type: Ultraviolet (Spotlight)
UV Wavelength: 365 nm
Color Temp: 5,000K - Cool White (Floodlight)
Beam Configuration: Spot and/or Flood
LED Lamp Life Expectancy: 50,000+ Hours
Ambient Operating Temperature: -40°C to +50°C
Temperature Rating: T4
Materials: Rubber Bump Guards
Battery Capacity: 2,600 mA - Removable
Battery Charge Time: 3.75 Hours
Runtime: 5 Hours
Color: Black

Ratings/Approvals
Class I, Divisions 1 & 2 Groups A, B, C, D
Class II, Divisions 1 & 2 Groups E, F, G
NRTL Certified to UL 913
Certified to MIL-STD-810G
CE Certified
Intrinsically Safe
IP54 Weatherproof

Special Orders - Special Requirements
Contact us for special requirements

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The EPL-20W-LED-UV365 Explosion Proof LED Light from Larson Electronics is a powerful, portable flashlight that is designed for illumination in hazardous locations. The battery-powered unit features a

primary 7-watt ultraviolet spotlight (365 nm wavelength) and a secondary 2-watt floodlight located on the side (200 lumens) with a color temperature rating of 5,000K. This heavy-duty luminary is dimmable and offers 5 hours of continuous use per charge. During emergency situations, the LED light doubles as an SOS strobe light via a built-in strobing feature.

The explosion proof LED flashlight offers versatile lighting in hazardous locations and rugged environments. This intrinsically safe unit comes with two options for illumination. The main light head features a 7-watt ultraviolet spotlight with a wavelength measurement of 365 nm. A secondary 2-watt light located at the side of the luminary emits 200 lumens of cool white light (with a color temperature of 5,000K) in a flood beam configuration. Both lighting options can be operated simultaneously or separately via the buttons on the body of the unit, depending on the preference of the operator. One button controls the forward main UV light and the other button controls the side LED flood light. For extra beam control, this LED light is dimmable, which can be activated by holding down and releasing the power button at the desired setting.



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The EPL-20W-LED-UV365 comes with several safety features for use in rugged, unpredictable hazardous locations. Operators may activate an SOS strobe by double-clicking on the power button. For protection against rough handling and dropping, this unit comes with rubber bump guards around the light head, center and end of the housing.

Certification: The EPL-20W-LED-UV365 explosion proof LED flashlight is suitable for the following hazardous locations: Class I, Divisions 1 & 2 Groups A, B, C and D; and Class II, Divisions 1 & 2 Groups E, F and G. This explosion proof flashlight is certified for US and Canada standards and is CE certified. The EPL-20W-LED-UV365 is equivalent to Class I Zone 1 ratings.

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.



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Power and Battery: The intrinsically safe light is powered by a 2,600mA battery that is rechargeable via a docking station. The power cell is removable, but not required. Charging time to full capacity is 3.75 hours, while runtime in a fully charged state is 5 hours. The explosion proof LED flashlight features a lengthy operational lifespan of 50,000+ hours. This unit is offered in the following voltage options: 120V AC, 240V AC or 12-24V (charger for docking station).
Applications: Non-destructive testing (NDT), aerospace, military, inspections, hazardous 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.

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Frequently Asked Questions (FAQ)





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EPL-20W-LED-UV365
Product ID: 286133

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:
EPL-20W-LED-UV365-Voltage
Example: EPL-20W-LED-UV365-120V

Voltage	
120V AC	-120V
240V AC	-240V
12-24V DC	-1224

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video4
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map