

RL-85-3W1-UV365

Rechargeable UV LED Light - UV 365 nm - 16 Hour Runtime, Pistol Grip - NDT/Spot Curing

Product ID: 49620

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.

RL-85-3W1-UV365 Spotlight

Lamp Technology: UV LED

Dimensions: 4.5"-L 1.5"-Depth 5/8" W

Weight: 14 oz

Voltage: Rechargeable- Universal Smart Charger

Total Watts: 3W

Lumens: -

Lumens-per-Watt: -

LED Life Expectancy: 50,000+ hours

UV Wavelength: 365 nm

Correlated Color Temperature: -

Color Rendering Index: -

Beam Angle: Spot

Lighting Configuration: Spot

Amps: -

Ambient Operating Temp Range: -

Materials: Aluminum, High Impact Nylon

Mount: Handheld

Battery Type: Lithium Ion

Ratings/Approvals

NDT and Spot Curing Applications

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics RL-85-3W1-UV365 Rechargeable UV LED Light is an extremely rugged and effective UV spotlight suitable for NDT and spot

curing in industrial environments. This UV spotlight produces an ultraviolet light in the 365 nm range, requires no tools for servicing and runs for 16 hours per two-hour charge.

This light weight, ultraviolet LED spotlight is ergonomically designed to produce powerful UV 365 nm light for NDT and spot curing applications. The light contains a single UV LED which is paired with a patent pending reflector design to produce an ultraviolet light beam. This beam is strong enough to allow operators to read signs, license plates, addresses and other similar markings at the far end of its total range. The pistol grip spotlight is designed for durability with a handle constructed of high impact nylon and an LED fully potted within a lamp assembly constructed of machined aluminum. An integral lithium-ion battery pack provides long battery life rated at thousands of charge cycles.

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.

Durability: This light is constructed of UV, water and impact resistant materials including a handle constructed of high impact nylon for extreme durability and resistance to damage from vibrations, shocks and impacts. The machined aluminum lamp housing is finished with an anodized coating for corrosion resistance.

Battery: The pistol grip UV spotlight contains an integral lithium-ion battery pack for the highest reliability and durability possible. This unit charges in two hours and provides 16 hours of runtime when fully charged. The lithium-ion batteries used in this unit do not require special charging practices to preserve their effectiveness or longevity and can be recharged when only halfway depleted or only charged to a fraction of their full capacity and will not suffer from degradation or battery memory issues. Finally, these batteries hold their charge for up to 12 months, allowing users to avoid the need for constant maintenance charging. Sixteen gauge wiring is used to connect the internal components. An included universal smart charging unit is compatible with any voltages both domestic and international and plugs into any standard wall outlet. The smart charger that ships with this light operates automatically and will top off the battery and quit once the battery is fully charged, even if the light is left connected to the charger once fully charged.

Versatility: The entire unit weighs only 14 ounces and comes with an included wrist lanyard for added carrying security. This light has a 3/8-16 inch brass nut fastener embedded in the base of the handle to allow mounting this light to a tripod or magnetic base like our [MM-2](#) or [MM-5](#). We also offer permanent mount bases, which can be screwed into the base as well.

This unit is fully field serviceable and requires no tools to disassemble or reassemble. This unit is ideal for military, security and law enforcement as well as hunting and any application that requires an extremely durable and effective source of ultraviolet illumination.

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)









Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Catalog Page - Product Series](#)
- [Operations Manual](#)
- [Spectrum Curve \(Wavelength Graph\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
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- [ISO 9001 Certification](#)
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- [Shipping Time Map](#)