

RL-85-5W1-UV365

5 Watt Rechargeable Handheld UV LED Light - Ultraviolet 365NM - 45 Minutes Runtime - Pistol Grip

Product ID: 68977

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-85-5W1-UV365 Spotlight

Lamp Type: Ultraviolet LED

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

Weight: 14.Oz

Watts: 5 watts

Voltage: Rechargeable- Universal Smart Charger

Materials: Aluminum - High Impact Nylon

Lamp Life Expectancy: 50,000 Hours

Battery: Lithium Ion

Charge Time: 8 Hours

Light Color: Ultraviolet, 365NM

Beam Type: Spot

Features

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics RL-85-5W1-UV365 Ultraviolet LED Pistol Grip Spotlight is an extremely rugged and effective UV spotlight designed to give users in operations requiring ultraviolet illumination a powerful, durable and easy to use source of UV light. This UV spotlight produces an ultraviolet light in the 365 Nm range depending upon configuration, requires no tools for servicing, and runs for 45 minutes on a single charge. This powerful UV emitter projects a beam approx. 120` in length by 40` in width.

This light weight, ultraviolet LED spotlight is ergonomically designed to produce a well balanced and easily managed handheld UV light source that can withstand abuse under tactical conditions and operate for 45 minutes on a single charge of its integrated lithium ion battery pack. This light contains a single UV LED which is paired with a patent pending reflector design to produce a powerful and effective ultraviolet light beam. Nominal UV intensity of this LED spotlight is 12.5 mW/cm² at 12 inches. This pistol grip spotlight is designed for high durability with a handle constructed of high impact nylon and an LED fully potted within a lamp assembly constructed of machined aluminum. The LED lamp assembly is protected by a thick Lexan lens and the integral lithium ion battery pack provides long battery life rated at 1,000's of charge cycles.

This UV spotlight and the materials it is constructed from are water, UV ray, impact and vibration resistant and designed to be easily field serviceable. This unit requires no tools to remove any components and the internal connectors are accessed through a snap in base at the bottom of the handle.



Car Charger

[Click Photo to Enlarge](#)



RL-85-5W1-UV365 UV output



Wall Charger

Lithium Ion Reliability: This pistol grip UV spotlight contains an integral lithium ion battery pack for the highest reliability and durability. This unit charges in 8 hours and provides 45 minutes 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. This means you do not need to wait until the batteries are fully depleted before recharging them, nor do you need to allow them to fully recharge before using the unit. These batteries hold their charge for up to 12 months, allowing users to avoid the need for constant maintenance charging.

The 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.

Durability-Convenience: The RL-85-5W1-UV365 Ultraviolet LED Pistol Grip Spotlight contains a single ultraviolet LED that is fully potted within a machined aluminum lamp housing and protected by a thick Lexan lens. This LED has an expected life span of 50,000+ hours and the entire LED lamp housing can be removed and replaced. 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.

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 imbedded 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 handle as well. This unit is fully field serviceable and requires

no tools to disassemble or reassemble. This unit is ideal for industrial and commercial testing applications as well as military, security and law enforcement use.



Frequently Asked Questions (FAQ)









RL-85-5W1-UV365

Product ID: 68977

Harmonized System (HS) Code: 8512.20.2080

Export Control Classification Number (ECCN): EAR99

Options:

RL-85-5W1-UV365-Charger

Example: RL-85-5W1-UV365-USA

Charger	
USA	-USA
INTL	-SCHUKO
AUS	-AS3112
UK	-BS1363

Links (Click on the below items to view):

- [Catalog Page - Product Series](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [SpecSheetSpanish](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
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- [HigResPic9](#)
- [HigResPic10](#)
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- [Shipping Time Map](#)