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RL-85-3W1-UV405

Rechargeable UV LED Light - 3 Watts - UV405 - 16 Hour Runtime - Universal AC Wall Plug Charger

Product ID: 49573

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: RL-85-3W1-UV405

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-UV405 Spotlight
Lamp Type: Ultraviolet LED
Dimensions: 4.5"-L 1.5"-Depth 5/8" W
Weight: 14.Oz
Watts: 3 watts
Voltage: Rechargeable- Universal Smart Charger
Materials: Aluminum - High Impact Nylon
Lamp Life Expectancy: 50,000 Hours
Battery: Lithium Ion
Charge Time: 2.5 Hours
Light Color: Ultraviolet, 405NM
Beam Type: Spot

Features

Special Orders - Special Requirements
Contact us for special requirements
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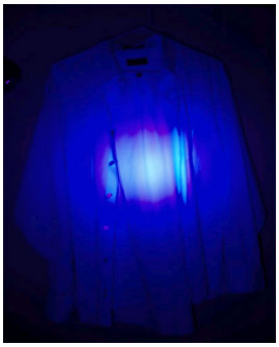
The Larson Electronics RL-85-3W1-UV405 Ultraviolet LED Pistol Grip Spotlight is an extremely rugged and effective UV spotlight designed to give users in operations requiring ultraviolet illumination a powerful, durable and easy to use source of UV light. This UV spotlight produces an ultraviolet light in the 405 Nm range depending upon

configuration, requires no tools for servicing, and runs for 16 hours 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 16 hours 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 spoltight is 405nm at 5500-6000 W/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.



RL-85-3W1-UV405 UV output

Click Photo to Enlarge

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 2.5 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. 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-85-3W1-UV405 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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Harmonized System (HS) Code: 8512.20.2080
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/49573.PDF)
- **DXF (2D CAD Model)**(https://www.larsonelectronics.com/images/product/DFX/49573.ZIP)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/49573.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/49573.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/49573.PDF)
- **Spectrum Curve (Wavelength Graph)**(https://www.larsonelectronics.com/images/product/SpectrumChart/49573.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/49573.ZIP)
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