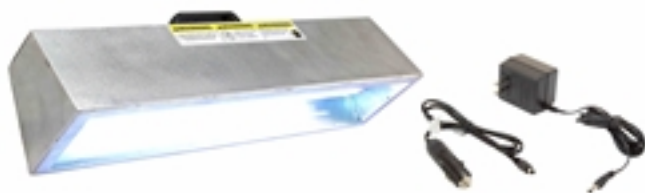


IND-RL-UVC-13W

9W Rechargeable UVC Handheld Surface Sanitizer - Aluminum - 8 Hour Runtime

Product ID: 266965

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.

This unit is Made In USA - Manufactured in Texas

IND-RL-UVC-13W Battery-Powered UV Surface Disinfection

Lamp Technology: UV-C Fluorescent

Dimensions: 12"-L

Weight: -

Charging Voltage: 120 V AC

Total Watts: 9W

Total UV Output: 2.4W

Single-Lamp UV Output: 2.4W

Effective UV Radiation (at 1 Meter) Per Lamp: 22.0 $\mu\text{W}/\text{cm}^2$

Total Effective UV Radiation (at 1 Meter): 22.0 $\mu\text{W}/\text{cm}^2$

Expected Lifespan: 8,000+ Hours

UV Wavelength: UV-C, 200nm - 280nm (253.7 nm)

Lamp Type: -

Lamp Base: G23 (2-pin)

Replacement Lamp: -

Beam Angle: 180°

Light Configuration: Flood

Switch: On/Off

Indicator Light: Red = In Operation

Amps: -

Ambient Operating Temp: -

Materials: Aluminum

Mounting: Portable Handle

Battery Pack: 10aH Lithium-ion Battery Pack

Ratings/Features

Short-wave Germicidal Light

Kills 99% of Viruses and Other Germs

EPA Reg. No 98409-1

EPA Est. No. 98409-TX-1

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Charge Duration: 2 Hours

Runtime: 8 Hours

Charger: Included

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

PLEASE NOTE: UV-C light can cause temporary or permanent loss of vision, and temporary acute redness or ulceration (mild to severe sunburn) to exposed skin. To prevent exposure, do not operate the device in any application that allows UV-C light to be visible during operation. NEVER LOOK DIRECTLY AT THE BULB OR DISINFECTING TARGET ZONE. DO NOT touch bulb with bare hands. The oils in your skin will damage the lamp. Fingerprints will result in reduced performance and significantly reduce the lifespan of the lamp unless they are removed with alcohol. Please read instruction manual for UV safety requirements before operating.

This unit is Made In USA - Manufactured in Texas

The IND-RL-UVC-13W from Larson Electronics is a Portable UVC Handheld Surface Sanitizer which can disinfect 99% of viruses, bacteria, mold, and spores on surfaces, work stations, tables and desks, as well as devices, machines, and personal equipment. This battery-powered unit offers UV-C output at a range of 200nm - 280nm (253.7nm) and comes equipped with a 9-watt UV fluorescent lamp. The aluminum UV system has a 10aH lithium-ion battery pack and a handle for up close UV light treatment.

****Please note: This product produces UV light. Make sure to follow all safety guidelines and protocols found in the user manual. UVC light in the proper setting kills up to 99.9% of viruses, mold, spores, and bacteria.***

[Click here to learn more about UVC and the coronavirus*](#)

The IND-RL-UVC-13W is a portable sanitation solution for many types of surfaces, tables, work stations and work devices. Equipped with a UVC fluorescent lamp, this system offers 2.4 watts of output, within the 200nm - 280nm UV-C range (253.7 nm). The light has an expected lifespan of 8,000+ hours and emits a flood beam pattern. With a 12" long lamp, this UV system caters to a wide range of sanitation activities via 180 degrees of coverage. Operators may move the UV light around after exposure time to disinfect several sections.

This unit is made out of aluminum and features a G23 (2-pin) base. A red indicator light at the back of the unit notifies individuals when the lamp is on. This UV germicidal device comes with an on/off switch located near the handle. Multiple devices can be purchased to cover larger areas quicker. The UV light can disinfect over 99% of bacteria and viruses, as well as kill 99% of viruses, bacteria, mold, and spores.

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Distance from Lamp	Irradiance/Second	Exposure Time Required* Time (12mJ)	Beam Length	Beam Width
1/2 inch	1516.2 uW/cm2	8 seconds	9 inches	0.59 inches
1 inch	1470.6 uW/cm2	8.16 seconds	9 inches	1.19 inches
2 inch	1227.4 uW/cm2	9.78 seconds	9 inches	2.39 inches
3 inch	866.4 uW/cm2	13.85 seconds	9 inches	3.58 inches
4 inch	706.8 uW/cm2	16.98 seconds	9 inches	4.77 inches
6 inch	490.2 uW/cm2	24.48 seconds	9 inches	7.15 inches
8 inch	374.3 uW/cm2	32.06 seconds	9 inches	9.54 inches

		seconds		
10 inch	301.72 uW/cm2	39.78 seconds	9 inches	11.92 inches
12 inch	246.24 uW/cm2	48.73 seconds	9 inches	14.3 inches
14 inch	59.03 uW/cm2	1.46 minutes	9 inches	16.7 inches
18 inch	158.4 uW/cm2	2.26 minutes	9 inches	21.45 inches

*Exposure time is based off of total irradiance over time. The above calculations are based on 12 mJ total exposure. This

is the standard exposure time recognized in the scientific community to deactivate viruses.

Larson Electronics recommends the 12 mJ exposure column for most applications.

[For more information regarding UVC exposure times and UV effectiveness against coronaviruses, click here.](#)

Charging: This unit is powered by a 10aH lithium-ion battery pack. Charging is facilitated by an included wall charger that operates on 120V AC. It takes approximately 2 hours to fully charge the battery. At full charge, the battery offers 8 hours of runtime.

Mount: The IND-RL-UVC-13W has a handle at the back of the unit for portable use. This lightweight design allows the device to be held directly over the target surface or object with ease.

Note on Environment: Sunlight and visible light fixtures do not impact the effectiveness of the disinfecting on this UVC sanitation product. Metal halide, high pressure sodium, fluorescent, and LED light fixtures can be left on. The UV radiation emitted from this product is not disrupted by any type of lighting in the environment. Put simply, NO it DOES NOT need to be dark in the area you plan to disinfect. The UV radiation is harmful to the eyes and skin, and that is why you should not be in the area while it is in operation. Please see user manual for additional safety information.

Suggested Applications: Sanitation, disinfection, retail spaces, lobbies, commercial locations, industrial parks, schools, public transportation hubs, airports, office buildings, medical centers, and more; kills 99% of viruses, bacteria, mold, and spores.

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)



IND-RL-UVC-13W

Product ID: 266965

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Catalog Page - Product Series](#)
- [Certificate 4, Misc](#)
- [Eye Safety Information/Certificate](#)
- [Lighting Facts & Information](#)
- [Operations Manual](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)