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IND-HL-UVC-FL1524-50

Industrial Handheld UV Disinfection Light - Kills 99% of Viruses - UVC, Fluorescent - T8/G13 - 50' SOOW Cord - 180º Beam Angle

Product ID: 266927

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



Image: IND-HL-UVC-FL1524-50

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-HL-UVC-FL1524-50 UV Sanitation Light

Lamp Technology: UV-C Fluorescent
Dimensions: 27"-L x 3.25"-Dia
Weight: -
Voltage: 120V or 220V
Total Watts: 15W
Total UV Output: 4.8W
Single-Lamp UV Output: 4.8W
Effective UV Radiation (at 1 Meter) Per Lamp: 49.0 µW/cm²
Total Effective UV Radiation (at 1 Meter): 49.0 µW/cm²
Expected Lifespan: 8,000+ Hours
UV Wavelength: UV-C, 200nm - 280nm (253.4 nm)
Lamp Type: T8
Lamp Base: G13
Replacement Lamp: -
Beam Angle: 180º
Light Configuration: Flood
Amps: -

Ratings/Features

NRTL Listed to UL 508A
NRTL Listed to CSA C22.2 No. 14
Short-wave Germicidal Light
Kills 99% of Viruses and Other Germs
Made in USA - Manufactured in Texas
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Special Orders - Requirements

Ambient Operating Temp Range: -
Materials: Rubber, Copper-free Aluminum
Mounting: Hook or Handheld
Wiring: 50' 16/3 SOOW Cord w/ Cord Cap
Cord Cap: 5-15 Straight, 6-15 Straight, L5-15 Twist, L6-15 Twist, UK BS1363, Intl. Schuko, or Pigtail

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.

Contact us for special requirements
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This unit is Made In USA - Manufactured in Texas

The IND-HL-UVC-FL1524-50 from Larson Electronics is an Industrial Handheld UV Disinfection Light that can kill 99% of viruses, bacteria, mold, and spores on surfaces, including work stations, machines, tables, and more. This unit offers UV-C output at a range of 200nm - 280nm (253.4nm) and comes equipped with a swivel hook for hands-free operation. Protected by molded bumper guards, this UVC light features 50' of 16/3 SOOW cord.

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-HL-UVC-FL1524-50 is a powerful sanitation solution for industrial sites and commercial facilities. Equipped with a UVC fluorescent lamp, this system offers 15 watts of output, within the 200nm - 280nm UV-C range (253.4 nm). The lights have an expected lifespan of 8,000+ hours and emits a flood beam pattern. This UV system operates on 120V or 220V and offers 180 degrees of coverage. With a recommended 20-25 minute exposure time for viruses, multiple devices can be purchased to cover larger areas quicker. The UV light can disinfect over 99% of bacteria, viruses, mold, and spores.

This UVC light features a rugged injection molded housing. The unit produces cool, glare-free and shadowless light that maximizes safety in work sites and lighting efficiency.

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Distance from Lamp	Irradiance/Second	Exposure Time Required* Time (12mJ)	Beam Length	Beam Width
1/2 inch	1755.6 uW/cm2	6.84 seconds	18 inches	0.59 inches

1 inch	1702.8 uW/cm2	7.05 seconds	18 inches	1.19 inches
2 inch	1421.2 uW/cm2	8.45 seconds	18 inches	2.39 inches
3 inch	1003.2 uW/cm2	11.96 seconds	18 inches	3.58 inches
4 inch	818.4 uW/cm2	14.67 seconds	18 inches	4.77 inches
6 inch	567.6 uW/cm2	21.15 seconds	18 inches	7.15 inches
8 inch	433.4 uW/cm2	27.69 seconds	18 inches	9.54 inches
10 inch	349.36 uW/cm2	34.35 seconds	18 inches	11.92 inches
12 inch	285.12 uW/cm2	42.09 seconds	18 inches	14.3 inches
14 inch	235.4 uW/cm2	50.98 seconds	18 inches	16.7 inches
18 inch	158.4 uW/cm2	1.27 minutes	18 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.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This unit is equipped with 50 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Mount: This handheld UV light contains a hook at the top of the light head for hands-free operation. The mounting component enables operators to secure the unit on poles, pipes, chains, small openings, hooks, and more. A handle facilitates up close sanitation of surfaces,

work stations, heavy machinery, and other types of equipment.

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.

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Frequently Asked Questions (FAQ)

Q. How long does the fixture need to operate to kill viruses?

A. Please read time exposure chart in the spec sheet. This chart provides the coverage area and required times to meet proper dosages to deactivate viruses. Exposure time is dependent on the distance from the surface you are disinfecting. The further away, the longer time is needed.

Q. What if I want to disinfect a larger area than the coverage area that is listed in the specifications of this product?

A. Purchase a larger unit. We have products ranging from small areas to entire buildings. If you wish to move faster, the only solution is purchasing a product that has a higher output. Otherwise, refer to the exposure chart for the coverage area and exposure time required. Once exposure time has been met, you can move to the next surface.

Q. What if obstacles are in the way of the UV light while it is disinfecting?

A. You will need to move objects around and disinfect again for another 30 minutes. If the cart does not have direct line of sight, it will not disinfect. This is a non-ozone UV generating product so it does not penetrate through solid surfaces and will not reflect and clean the underside of objects or behind objects. If you do not have direct line of sight from the light, you will need to move it around or move the obstacles to create proper exposure.

Q. Does this product come with UV lamps?

A. Yes. This product will ship with UV lamps. The required UV lamps are included with your purchase.

Q. Is this unit safe to use in occupied areas?

A. No, and yes. This unit produces UV radiation. UV radiation is NOT safe for your skin or eyes. Because of the directional nature of this product, it does not produce a high risk for occupied areas when used correctly. If the lamp is positioned correctly, it could in theory be used in occupied areas, but this is not advised since the occupants may not understand the risks associated with UV lights. The user should always wear eye protection at minimum. Please read manual for UV safety requirements.

Q. Do I need to wear protective gear?

A. Yes. UV radiation is NOT safe for your skin or eyes. Please read manual for UV safety requirements.

Q. Is this product skin safe or eye safe?

A. No. UV radiation is not safe for the eyes or skin. Please read manual for UV safety requirements.

Q. Does this product generate ozone?

A. No. UV lights can be made as ozone-producing or non-ozone producing. Ozone producing lamps leaves radiation in the atmosphere and require a 20-30 minute time after lamps are turned off before the radiation levels dissipate to a safe level before you can re-enter the room/area. The products that Larson Electronics manufactures DO NOT use ozone-producing lamps. This means that the radiation stops the second the light turns off. Once the light is turned off, it is safe to return to the area being disinfected by the light. Please read manual for UV safety requirements.

Q. Does this product kill he SARS-CoV-2 coronavirus?

A. Please see below link for effectiveness against viruses, including the 2019 SARS-CoV-2 coronavirus:
https://www.larsonelectronics.com/images/product/LightingFacts/266985.PDF

Q. **Does this product kill COVID-19?**

A. COVID-19 is the disease created from the SARS-CoV-2 coronavirus. Please see below link for effectiveness against viruses, including the 2019 SARS-CoV-2 coronavirus:
https://www.larsonelectronics.com/images/product/LightingFacts/266985.PDF

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Product ID: 266927

Export Control Classification Number (ECCN): EAR99

Options:

IND-HL-UVC-FL1524-50-Cord Cap
Example: IND-HL-UVC-FL1524-50-5.15

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
UK BS1363	-BS1363
INTL SCHUKO	-SCHUKO
PIGTAIL	-PIGTAIL

Links (Click on the below items to view):

- **Beam Information (Coverage, Datafile)**(https://www.larsonelectronics.com/images/product/BeamInfo/266927.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/266927.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/266927.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/266927.PDF)
- **Certificate 4, Misc**(https://www.larsonelectronics.com/images/product/Cert4/266927.PDF)
- **Eye Safety Information/Certificate**(https://www.larsonelectronics.com/images/product/EyeSafety/266927.PDF)
- **Lighting Facts & Information**(https://www.larsonelectronics.com/images/product/LightingFacts/266927.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/266927.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/266927.PDF)
- **Spectrum Curve (Wavelength Graph)**(https://www.larsonelectronics.com/images/product/SpectrumChart/266927.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/266927.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/266927.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/266927.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/266927.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/266927.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/266927.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/266927.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/266927.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/266927.JPG)
- **Video1**(https://www.youtube.com/watch?v=5q31aaXFaTY)
- **Video2**(https://www.youtube.com/watch?v=kqVBPl9B704)
- **Video3**(https://www.youtube.com/watch?v=12Quu_Q_Hml)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)