

**Industrial UV Sanitation Cart - Kills 99% of Viruses - 2400 sq. ft. Area - 50' SOOW Cord - Wireless Remote**  
**IND-UC-48-12L-WR-UVC-50C**



**This unit is Made In USA - Manufactured in Texas**

**IND-UC-48-12L-WR-UVC-50C UV Sanitation Light Cart w/ Wireless Remote**

**Lamp Technology:** UV-C Fluorescent

**Lamp Qty:** (12)

**Dimensions:** 25.00"W x 20.00"D x 60.00"H

**Weight:** 76 lb

**Voltage:** 120 V AC, 50/60 Hz

**Total Watts:** 480W

**Single-lamp Watts:** 40W

**Total UV Output:** 171.6W

**Single-lamp UV Output:** 14.3W

**Effective UV Radiation (at 1 Meter) Per Lamp:** 117.0 uW/cm<sup>2</sup> @ 1M

**Total Effective UV Radiation (at 1 Meter):** 1404.0 uW/cm<sup>2</sup> @ 1M

**Expected Lifespan:** 8,000+ Hours

**UV Wavelength:** UV-C, 200nm - 280nm (254 nm)

**Lamp Type:** T8

**Lamp Base:** G13 (Medium Bi-pin)

**Replacement Lamp:** FRL-48-1X-T8-40W-UV-C

**Beam Angle:** 180°

**Light Configuration:** Flood

**Amps:** -

**Ambient Operating Temp Range:** -22°F to 122°F

**Remote Type:** Wireless

**Remote Range:** 100'

**Materials:** 22 Gauge Steel, Aluminum

**Reflector Material:** Chrome

**Mounting:** Powder Coated Portable Upright Aluminum Cart with Adjustable Brackets

**Wiring:** 50' 16/3 SOOW Cord w/ Cord Cap

**Cord Cap:** 5-15 Straight, L5-15 Twist, or Pigtail

**Shipping Weight:** 136 lb

**Shipping Dimensions:** 48" x 60" x 30"

**Ratings/Features**

Short-wave Germicidal Light

Kills 99% of Viruses and Other Germs

Made in USA - Manufactured in Texas

**Special Orders - Requirements**

Contact us for special requirements

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\*\*\*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 Larson Electronics IND-UC-48-12L-WR-UVC-50C is an Industrial UV Sanitation Cart which can disinfect kill 99% of viruses, bacteria, mold, and spores in large facilities. This unit offers UV-C output at a range of 200nm - 280nm (254nm) and comes equipped with twelve UVC fluorescent lamps. Supported by a wireless remote, the lights are mounted to a powder coated aluminum cart for seamless mobility.**

***\*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 corona virus\\*](#)***

The IND-UC-48-12L-WR-UVC-50C is a powerful sanitation solution for industrial sites and commercial facilities. Equipped with twelve UVC fluorescent lamps, this system offers 171.6 watts of UV output, within the 200nm - 280nm UV-C range (254 nm). The lights have an expected lifespan of 8,000+ hours and emit a flood beam pattern. This UV system caters to 2400 square feet of space with 180 degrees of coverage. Operators may move the cart around after exposure time to disinfect several sections. With a recommended 20-25 minute exposure time for viruses, multiple carts can be purchased to cover larger areas quicker. The UV light can disinfect over 99% of bacteria, viruses, mold, and spores.

Distance from Cart	Irradiance/Second	Exposure Time Required*	Beam Width	Beam Height
6 inch	28978.56 uW/cm2	1.5 seconds	4 ft	4 ft
12 inch	14556.67 uW/cm2	3 seconds	4 ft	4 ft
18 inch	8087.04 uW/cm2	5.5 seconds	4 ft	4 ft
2 foot	5234.11 uW/cm2	8 seconds	4.25 ft	4 ft
3 foot	2740.61 uW/cm2	15 seconds	4.5 ft	4 ft
4 foot	1381.54 uW/cm2	31 seconds	6 ft	4 ft
5 foot	884.18 uW/cm2	48 seconds	7.5 ft	4 ft
6 foot	614.02 uW/cm2	1.25 minutes	9 ft	4 ft
7 foot	451.11 uW/cm2	1.5 minutes	10.5 ft	4 ft
8 foot	345.38 uW/cm2	2 minutes	12.25 ft	4 ft
9 foot	272.90 uW/cm2	2.75 minutes	13.5 ft	4 ft
10 foot	221.05 uW/cm2	3.25 minutes	15.25 ft	4 ft
12 foot	153.50 uW/cm2	4.5 minutes	18.5 ft	4 ft
15 foot	98.24 uW/cm2	7.25 minutes	23 ft	4 ft
18 foot	68.22 uW/cm2	10.25 minutes	27.5 ft	4 ft
20 foot	55.26 uW/cm2	13 minutes	30 ft	4 ft
22.5 foot	43.66 uW/cm2	16 minutes	34.5 ft	4 ft
25 foot	35.37 uW/cm2	20 minutes	38 ft	4 ft
28 foot	28.19 uW/cm2	25 minutes	42 ft	4 ft
30 foot	24.56 uW/cm2	28.5 minutes	46 ft	4 ft
32.5 foot	20.93 uW/cm2	33.5 minutes	50 ft	4 ft
35 foot	18.04 uW/cm2	39 minutes	53 ft	4 ft
40 foot	13.82 uW/cm2	51 minutes	61 ft	4 ft

\*Exposure time is based off of total irradiance. The above calculations are based on 12mJ total exposure. This level of exposure deactivates most organisms.

The fixture's housing is constructed of 22 gauge steel and painted for corrosion resistance. A chrome reflector helps improve illumination and light spread in the area.

**Cart:** The cart allows the entire fixture to be easily wheeled into position as needed, and can be laid flat for sliding the cart under vehicles or into hard to reach areas. This cart is highly versatile and gives the operator the ability to easily move the entire assembly around the work space simply by leaning the cart back and rolling it into position. Also included is a fold down handle and unidirectional caster wheels that allows operators to lay the unit flat and wheel it into hard to reach areas such as underneath vehicles in paint spray booths.

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**Click Photos to Enlarge**

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

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

Flying Leads / Pigtail Wires

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**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 or NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets. 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.

**Wireless Remote:** This UV sanitation light cart comes with a wireless remote. The remote has a 100' range and allows operators to power the unit on and off from a safe distance.

**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](mailto: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. 30 minute exposure time is required for killing viruses

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

A. You can move the product and cover other areas. Each time the unit is moved, the exposure time starts again.

**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. This unit produces UV radiation. UV radiation is NOT safe for your skin or eyes. 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 the 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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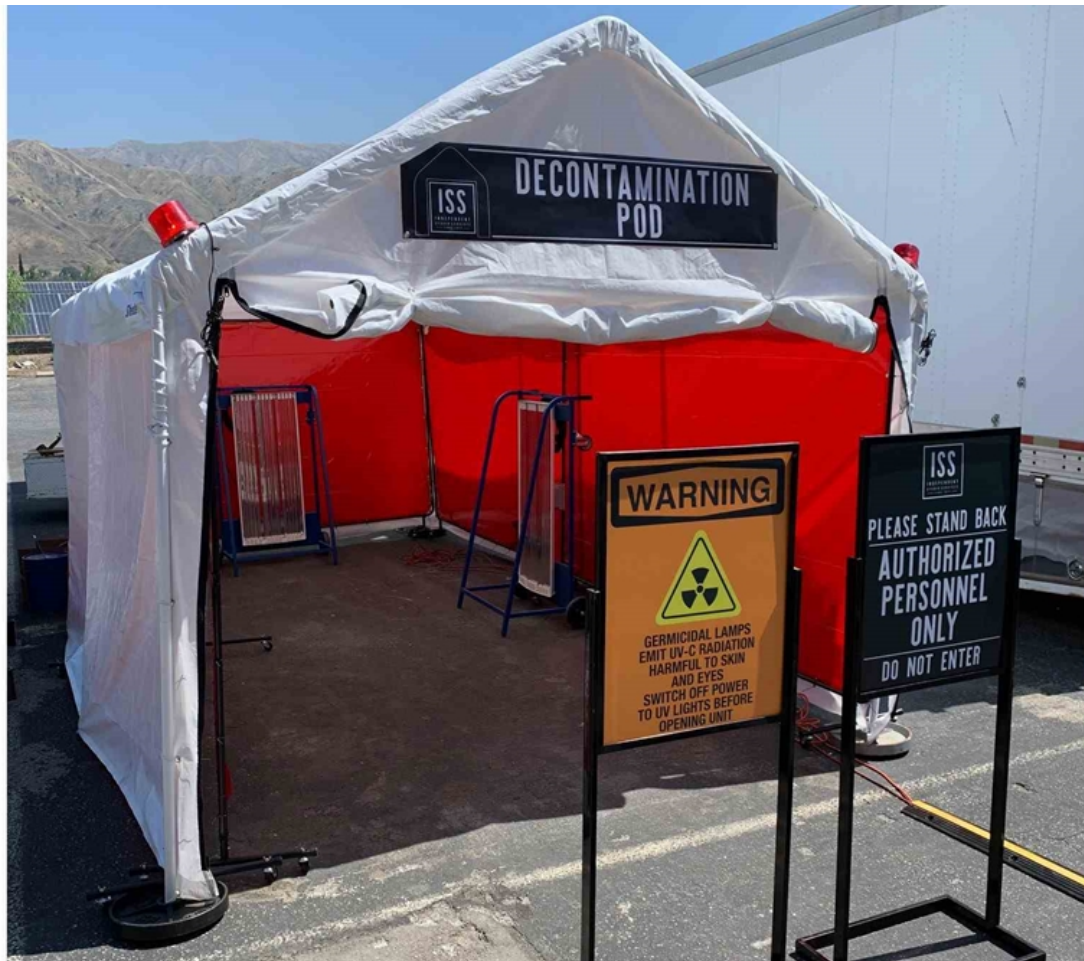


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**Options:**

**IND-UC-48-12L-WR-UVC-50C-Cord Cap**

**Example:** IND-UC-48-12L-WR-UVC-50C-5.15

Cord Cap	
5-15 STRAIGHT	-5.15
L5-15 TWIST	-L5.15
PIGTAIL	-Pigtail

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