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IND-UC.360-48-8L-UVC-V1-AT.WR-KT-MOD1-50C

Industrial Portable UV Sanitation Cart - Kills 99% of Viruses - 3500 sq. ft. Area - 120V, 304 Stainless Steel - Remote/50' Cord

Product ID: 267888

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-UC.360-48-8L-UVC-V1-AT.WR-KT-MOD1-50C UV Sanitation Light Cart

Lamp Technology: UV-C Fluorescent
Lamp Qty:(8)
Dimensions: 19"-W x 19"-D x 68"-H
Weight: 65 lb
Voltage: 120 V AC, 50/60 Hz
Total Watts: 320W
Single-lamp Watts: 40W
Total UV Output: 114.4W
Single-lamp UV Output: 14.3W
Effective UV Radiation (at 1 Meter) Per Lamp: 117.0 uW/cm2 @ 1M
Total Effective UV Radiation (at 1 Meter): 936.0 uW/cm2 @ 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: 360°
Light Configuration: Flood
Delay: 1 Minute and 30 Seconds at Startup
Maximum Treatment Time: 24 Hours

Ratings/Features

Short-wave Germicidal Light
Kills 99% of Viruses and Other Germs
Cooling Fans
Safety Kit Included
Made in USA - Manufactured in Texas
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Remote Type: Wireless
Safety Kit: (2) Safety Goggles, (4) Safety Signs
Amps: 16 A
Ambient Operating Temp: 80°F
Materials: 304 Stainless Steel
Lamp Protection: Wire Guard and Center Rail
Mounting: Portable - (4) Wheels
Wiring: 50' 16/3 SOOW Cord w/ Cord Cap
Cord Cap: 5-15 Straight, L5-15 Twist, 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.

Special Orders - Special Requirements
Contact us for special requirements

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The Larson Electronics IND-UC.360-48-8L-UVC-V1-AT.WR-KT-MOD1-50C is an Industrial Portable UV Sanitation Cart which can disinfect 99% of viruses, bacteria, mold, and spores in large facilities. This unit offers UV-C output at a range of 200nm - 280nm (254nm peak) and comes equipped with eight UVC fluorescent lamps. Capable of disinfecting an entire room, the 304 Stainless Steel UV system comes with 50` of 16/3 SOOW cord, wireless remote and a safety kit (two goggles and four safety signs).
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 unit has a UV light source with a light spectrum in the germicidal range of 200-300 nanometers (nm). Peak emission is 254nm.
• The UV light source is of sufficient intensity to reduce the population of SARS-CoV-2 by a factor of 1,000 within 15 minutes on walls of an empty space of size 12 foot by 12 foot with a 10 foot ceiling.
• The unit is transportable by one individual either by pushing (i.e. wheel mounted); and the unit does not exceed 200 lbs.
• The unit is capable of passing through a doorway 26 inches wide and 80 inches tall without disassembly.
• The unit contains features and accessories that minimize manual repositioning requirements, as is the ability to operate multiple MLUs in a space.
• The unit has a standard 120V AC, 60 Hz power interface. The unit is compatible with shipboard ungrounded power systems with characteristics as defined in MIL-STD-1399 Section 300-1.
• Units with autonomous operation have an occupancy sensor to automatically turn off the UV light when an occupant is sensed.
• In autonomous operation, this unit has a method to turn on either after a time delay to allow the operator to leave the room, or upon a remote command from the operator exterior to the room, whichever the operator chooses (both included).
• In autonomous operation, this unit has a method to turn off after a time-delay, or upon remote command from the operator. A means shall be provided to allow the operator to know that the UV light is off and it is safe to enter the room.
• As the UV light source contains mercury or other hazardous materials, the unit has means (such as secondary containment) to prevent a hazardous material spill, should the UV light source break or means to minimize the probability of the light source breaking (such as a guard).

The IND-UC.360-48-8L-UVC-V1-AT.WR-KT-MOD1-50C is a powerful sanitation solution for industrial sites and commercial facilities. Equipped with eight UVC

fluorescent lamps, this system offers 114.4 watts of total output, within the 200nm - 280nm UV-C range (254 nm peak). The lights have an expected lifespan of 8,000+ hours and emit a flood beam pattern. This UV system caters to 3,500 square feet of space with full, 360 degrees of coverage. The light source is capable of providing intense UV light that reduces the population of SARS-CoV-2 by a factor of 1,000 within 15 minutes on walls of an empty space measuring 12-foot by 12-foot with a 10-foot ceiling. Cooling fans below the lamps keep the unit running optimally. A delay of 1 minute and 30 seconds at startup is available for the operator to clear the area or leave the room after activation. Alternatively, an included wireless remote can be used to activate or deactivate the device outside of the room. Operators may move the cart around after exposure time to disinfect several sections. This unit has features and accessories that minimize manual repositioning requirements, as is the ability to operate multiple MLUs in a space.

Distance from Cart**	Irradiance/Second	Exposure Time Required*	Coverage Area***
6 inch	5282.55 uW/cm2	2.61 seconds	2.5 ft x 2.5 ft
12 inch	2653.56 uW/cm2	5.20 seconds	3.5 ft x 3.5 ft
18 inch	1474.20 uW/cm2	9.36 seconds	4.5 ft x 4.5 ft
2 foot	954.14 uW/cm2	14.46 seconds	5.5 ft x 5.5 ft
3 foot	499.59 uW/cm2	27.62 seconds	7.5 ft x 7.5 ft
4 foot	251.84 uW/cm2	54.80 seconds	9.5 ft x 9.5 ft
5 foot	161.18 uW/cm2	1.43 minutes	11.5 ft x 11.5 ft
6 foot	111.93 uW/cm2	2.05 minutes	13.5 ft x 13.5 ft
7 foot	82.23 uW/cm2	2.80 minutes	15.5 ft x 15.5 ft
8 foot	62.96 uW/cm2	3.65 minutes	17.5 ft x 17.5 ft
9 foot	49.75 uW/cm2	4.62 minutes	19.5 ft x 19.5 ft
10 foot	40.29 uW/cm2	5.71 minutes	21.5 ft x 21.5 ft
12 foot	27.98 uW/cm2	8.22 minutes	25.5 ft x 25.5 ft
15 foot	17.91 uW/cm2	12.84 minutes	31.5 ft x 31.5 ft
18 foot	12.44 uW/cm2	18.49 minutes	37.5 ft x 37.5 ft
20 foot	10.07 uW/cm2	22.83 minutes	41.5 ft x 41.5 ft
22.5 foot	7.96 uW/cm2	28.90 minutes	46.5 ft x 46.5 ft
25 foot	6.45 uW/cm2	35.67 minutes	51.5 ft x 51.5 ft
28 foot	5.14 uW/cm2	44.75 minutes	57.5 ft x 57.5 ft
30 foot	4.48 uW/cm2	51.37 minutes	61.5 ft x 61.5 ft
32.5 foot	3.81 uW/cm2	60.29 minutes	66.5 ft x 66.5 ft
35 foot	3.29 uW/cm2	69.92 minutes	71.5 ft x 71.5 ft
40 foot	2.52 uW/cm2	91.33 minutes	81.5 ft x 81.5 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.
**Distance from cart is surface distance from each side.
***Coverage area is calculated based on the cart being in the center of this area. This coverage area factors in the size of the cart. Please see "Distance from Cart" column for distance from one side of the cart.

This unit is made out of 304 stainless steel and features spring-loaded lamp sockets, which makes it easier to switch out lamps. A wire guard protects the UV lamps from tampering or accidental bumping. Two safety goggles (not full face masks) and four safety signs (to warn individuals about ongoing UV sanitation) are included with the light. 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.
Voltage: The IND-UC.360-48-8L-UVC-V1-AT.WR-KT-MOD1-50C has a 120 V AC, 60 Hz power interface. The unit is compatible with shipboard ungrounded power systems with characteristic as defined in MIL-STD-1399 section 300-1.

Click Photos to Enlarge



5-15 Straight Blade Plug



L5-15 Twist Lock Plug



Flying Leads / Pigtail Wires

15 Amp / 125V Rated | 15 Amp / 125V Rated

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.
Cart: Operators can easily transport and push the UV lighting system around facilities via four wheels at the bottom (the unit does not exceed 200 lbs.). A center rail enables seamless guidance and positioning of the unit. The UV system can pass through doorways measuring 26 inches wide and 80 inches tall without disassembly. For best results, the light should be setup in the middle of the area.
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)


WARNING
HIGH INTENSITY ULTRAVIOLET LIGHT EXPOSURE MAY CAUSE EYE DAMAGE
DO NOT LOOK INTO UV LIGHT
WEAR UV EYE PROTECTION
UV
WARNING
DO NOT EXPOSE THIS UVC LIGHT TO HUMAN SKIN OR EYES. COVER SKIN AND WEAR EYE PROTECTION.
WARNING
DO NOT TOUCH BULBS WITHOUT GLOVES
DO NOT SUBMERGE
START
TIME UP
TIME DOWN



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Product ID: 267888

Export Control Classification Number (ECCN): EAR99

Options:

IND-UC.360-48-8L-UVC-V1-AT.WR-KT-MOD1-50C-Cord Cap

Example: IND-UC.360-48-8L-UVC-V1-AT.WR-KT-MOD1-50C-5.15

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

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- Certificate 1, Misc
- Certificate 4, Misc
- Eye Safety Information/Certificate
- Lighting Facts & Information
- MSDS (Material Safety Data Sheet
- Operations Manual
- Spectrum Curve (Wavelength Graph)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- Video1
- Video2
- Video3
- Video4
- Video5
- Video6
- Video7
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map