Larson Electronics LLC
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IND-UC.360-48-12L-UVC-V4-AT-KT-SPF-50C

Industrial Portable UV Sanitation Cart - Kills 99% of Viruses - 10,800 sq. ft. Area - 304 Stainless Steel - 50' Cord - Shatterproof Bulbs

Product ID: 270913

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.360-48-12L-UVC-V4-AT-KT-SPF-50C UV Sanitation Light Cart

Lamp Technology: UV-C Fluorescent
Lamp Qty: (12)
Dimensions:19"-W x 19"-D x 68"-H
Weight: 65 lb
Voltage: 120 V AC, 50/60 Hz
Total Watts: 1440W
Single-lamp Watts: 120W
Total UV Output: 319.12W
Single-lamp UV Output: 26.6W
Expected Lifespan: 8,000+ Hours
UV Wavelength: UV-C, 200nm - 280nm (254 nm)
Lamp Type: T8HO - Shatterproof
Lamp Base: G13
Replacement Lamp: FRL-48-1X-T8HO-120W-UV-C
Beam Angle: 360º
Light Configuration: Flood
Delay: 1 Minute and 30 Seconds at Startup
Maximum Treatment Time: 24 Hours
Safety Kit: (2) Safety Goggles, (4) Safety Signs
Amps: -

Ratings/Features

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

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Ambient Operating Temp: 80ºF

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

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The Larson Electronics IND-UC.360-48-12L-UVC-V4-AT-KT-SPF-50C is an Industrial Portable UV Sanitation Cart which can 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. Capable of disinfecting an entire room, the 304 Stainless Steel UV system comes with 50` of 16/3 SOOW cord 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 IND-UC.360-48-12L-UVC-V4-AT-KT-SPF-50C is a powerful sanitation solution for industrial sites and commercial facilities. Equipped with twelve UVC fluorescent lamps, this system offers output within the 200nm - 280nm UV-C range (254 nm). The lights have an expected lifespan of 8,000+ hours and emits a flood beam pattern. A durable PEF coating makes the lamps shatter resistant and provides protection from impacts. Should the bulb break during an emergency, the internal contents and glass will remain trapped inside the unit. This coating adds an extra layer of safety for workers and customers alike. This UV system caters to 10,800 square feet of space with full, 360 degrees of coverage. Cooling fans below the lamps keep the unit running optimally. There is a delay of 1 minute and 30 seconds at startup for clearing the area after activation. Operators may move the cart around after exposure time to disinfect several sections.

Distance from Cart	Irradiance/Second	Exposure Time Required*	Beam Width	Beam Height
6 inch	7244.64 uW/cm2	5.8 seconds	2 ft	4 ft
12 inch	3639.16 uW/cm2	11.54 seconds	2.25 ft	4 ft
18 inch	2021.76 uW/cm2	20.77 seconds	2.5 ft	4 ft
2 foot	1308.52 uW/cm2	32.1 seconds	3 ft	4 ft
3 foot	685.15 uW/cm2	1 minutes	4.5 ft	4 ft
4 foot	345.39 uW/cm2	2 minutes	6 ft	4 ft
5 foot	221.04 uW/cm2	3.16 minutes	7.5 ft	4 ft
6 foot	153.51 uW/cm2	4.66 minutes	9 ft	4 ft
7 foot	112.78 uW/cm2	6.33 minutes	10.5 ft	4 ft
8 foot	86.34 uW/cm2	8.33 minutes	12.25 ft	4 ft
9 foot	68.22 uW/cm2	10.66 minutes	13.5 ft	4 ft
10 foot	55.26 uW/cm2	12.66 minutes	15.25 ft	4 ft
12 foot	38.37 uW/cm2	18.66 minutes	18.5 ft	4 ft
15 foot	24.55 uW/cm2	28.66 minutes	23 ft	4 ft
18 foot	17.05 uW/cm2	41.33 minutes	27.5 ft	4 ft
20 foot	13.81 uW/cm2	50.66 minutes	30 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.

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, bacteria, mold, and spores.

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

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 move the UV lighting system around facilities via four wheels at the bottom. A center rail enables seamless guidance and positioning of the unit. 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: 270913

Export Control Classification Number (ECCN): EAR99

Options:

IND-UC.360-48-12L-UVC-V4-AT-KT-SPF-50C-Cord Cap

Example: IND-UC.360-48-12L-UVC-V4-AT-KT-SPF-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):

- Beam Information (Coverage, Datafile)
- 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
- Video8
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map