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IND-AHF.360-CD-UVC-R1-MMS-220V.50-50C

Mobile UV Air Sanitation Purifier - 220V, 50Hz - (8) UVC Lamps, Motion Sensors - 50' Cord - Unoccupied + Occupied Areas

Product ID: 280249

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-AHF.360-CD-UVC-R1-MMS-220V.50-50C UV Portable Air Disinfection

Lamp Technology: UV-C Fluorescent

Lamp Quantity: (8) UVC Lamps

Dimensions: 32"-L x 30"-W x 84-3/4"-H

Weight: 475 lb

Voltage: 220V AC, 50 Hz

Total Watts: 960W

Single-lamp Watts: 120W

Total UV Output: 212.8W

Single-lamp UV Output: 26.6W

Total UV Irradiance: 1920 µW/cm² @ 1 Meter

Expected Lifespan: 8,000+ Hours

UV Wavelength: 254nm

Lamp Type: T8HO

Lamp Base: G13 (Medium Bi-pin)

Replacement Lamp: FRL-48-1X-T8HO-120W-UV-C

Beam Angle: 360º

Light Configuration: Flood

Internal Reflector: Polished

LED Indicator Lights: In Operation, Lamp Replacement (One Light per Lamp)

Ratings/Features

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

Safety Switch: Interlock Switch

Filter: Yes

Filter MERV Rating: MERV 16

Filter Particulate Size: 0.3 to 1.0 Microns

Nominal Capacity: 2,000 cubic ft/minute

Max Treatment Capacity: 120,000 cubic ft/hour

Max Room Size @ 3 Air Changes/Hour: 40,000 cubic ft

Max Room Size @ 6 Air Changes/Hour: 20,000 cubic ft

Max Room Size @ 6 Air Changes/Hour: 20,000 cubic ft

Modes: Occupied Area or Unoccupied Area

Occupied Area Operation: Blower Only, Blower On and Lamps On, Off (Timer Disabled)

Unoccupied Area Operation: Lamps On w/ Timer, Time Delay and Motion Sensors; Off (Fan Disabled)

Adjustable Timer Default Setting: 30 Minutes

Motion Sensors: (4) PIR Motion Sensors

Safety: Lamp Doors, Motion Sensors

Amps: 15A @ 220V

Ambient Operating Temp Range: -

Materials: 304 Stainless Steel, Aluminum

Mounting: Mobile w/ (4) Wheels

Air Flow Exit: Louvered Exhaust Panel

Cord: 50' 16/3 SOOW Cord w/ 240V Cord Cap

Cord Cap: NEMA 6-15, NEMA 6-20, NEMA L6-15, NEMA L6-20, Schuko (Type F, CEE 7/4), or Pigtail

Shipping Weight: 600 lb

Shipping Dimensions: 58"-L x 44"-W x 90"-H

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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E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The IND-AHF.360-CD-UVC-R1-MMS-220V.50-50C Mobile UV Air Sanitation Purifier from Larson Electronics actively disinfects the surrounding air in both unoccupied and occupied areas without noise. This unit uses eight lamps that provide 212.8W total UVC output during sanitation. Designed for portable applications, the stainless steel system has four wheels at the base for seamless deployment, transportation and storage. The IND-AHF.360-CD-UVC-R1-MMS-220V.50-50C is equipped with a MERV 16 rated air filter.

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-AHF.360-CD-UVC-R1-MMS-220V.50-50C is a portable sanitation solution for unoccupied and occupied areas in buildings, temporary shelters and work sites. Equipped with eight UVC fluorescent lamps, this system offers 212.8 total UV 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 inside the unit. The UV chamber has a polished surface to maximize light distribution during UV treatment. Constructed of 304 stainless steel, the UV lights are enclosed inside the unit preventing UV exposure in occupied areas. An interlock safety switch ensures automatic disconnection of power to the system during servicing, installation or maintenance. LED indicator lights on the unit notify individuals when the system is

in operation and when the lamps must be replaced (one LED indicator light per lamp). A differential air pressure gauge monitors filter resistance to ensure timely filter replacement. Individuals can choose between occupied area or unoccupied area operation using a switch.

Nominal Capacity	2,000 cubic ft/minute
Max Treatment Capacity	120,000 cubic ft/hour
Max Room Size @ 3 Air Changes/Hour	40,000 cubic ft
Max Room Size @ 6 Air Changes/Hour	20,000 cubic ft

Occupied Area Operation: Surrounding "dirty" air is drawn into the portable UV purifier via disposable filters at the base of the system. The "dirty" air passes through the UV sanitation chamber where it is treated with UVC light using the eight fluorescent lamps. The disinfection process kills up to 99.9% of viruses, bacteria, mold, spores and other harmful microbes. Clean sanitized air exits the chamber through a louvered exhaust panel and is released back into the environment. The louvers also protect people from UV exposure in the surrounding area. This low-maintenance air disinfection process is continuous and quiet. Operators can choose from the following occupied area operating modes via a 3-position switch: blower only (blower on; lamps off), full operation (blower on; lamps on) and off (blower off; lamps off). When in occupied area mode, the timer is disabled.
Unoccupied Area Operation: Operators position the doors with the lamps facing outwards (the system will not turn on until the lamps face outwards). Selecting this operating mode disables the fan and activates the timer and four PIR motion sensors located at each corner of the unit. Duration of UV treatment can be set using a timer (default setting is 30 minutes). A time delay function allows individuals to leave the room before the unit is activated. The system will turn off when motion is detected in the area.
MERV Filter: HVAC air filters are rated according to the minimum efficiency reporting value (MERV). The MERV rating measures how effectively the filter prevents dust and other contaminants from getting through and into the circulating air. Larson Electronics utilizes filters that have a rating of MERV 16 in our UV air sanitation purifiers. This level of air filter can stop particulates that range from 0.3 to 1.0 microns in size. MERV 16 filters are generally used in residential, commercial, and hospital settings.

Click Photos to Enlarge



L6-20 Twist Lock Plug
20 Amp / 250V Rated



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 NEMA 6-15 15 amp straight blade plug, standard NEMA 6-20 20 amp straight blade plug, NEMA L6-15 15 amp twist lock plug, NEMA L6-20 20 amp twist lock plug, or a two pin 16 amp rated Schuko plug (Type F, CEE 7/4 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.
Mounting: The IND-AHF.360-CD-UVC-R1-MMS-220V.50-50C has four mobile wheels at the base for portable deployment in occupied areas. This mobile solution ensures the UV air purifier is easily setup, transported and stored when needed.
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.
Applications: Air sanitation, occupied areas, food processing, pharmaceutical, schools, labs, warehouses, buildings, industrial, manufacturing, office, air disinfection, UV treatment and many more.
Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

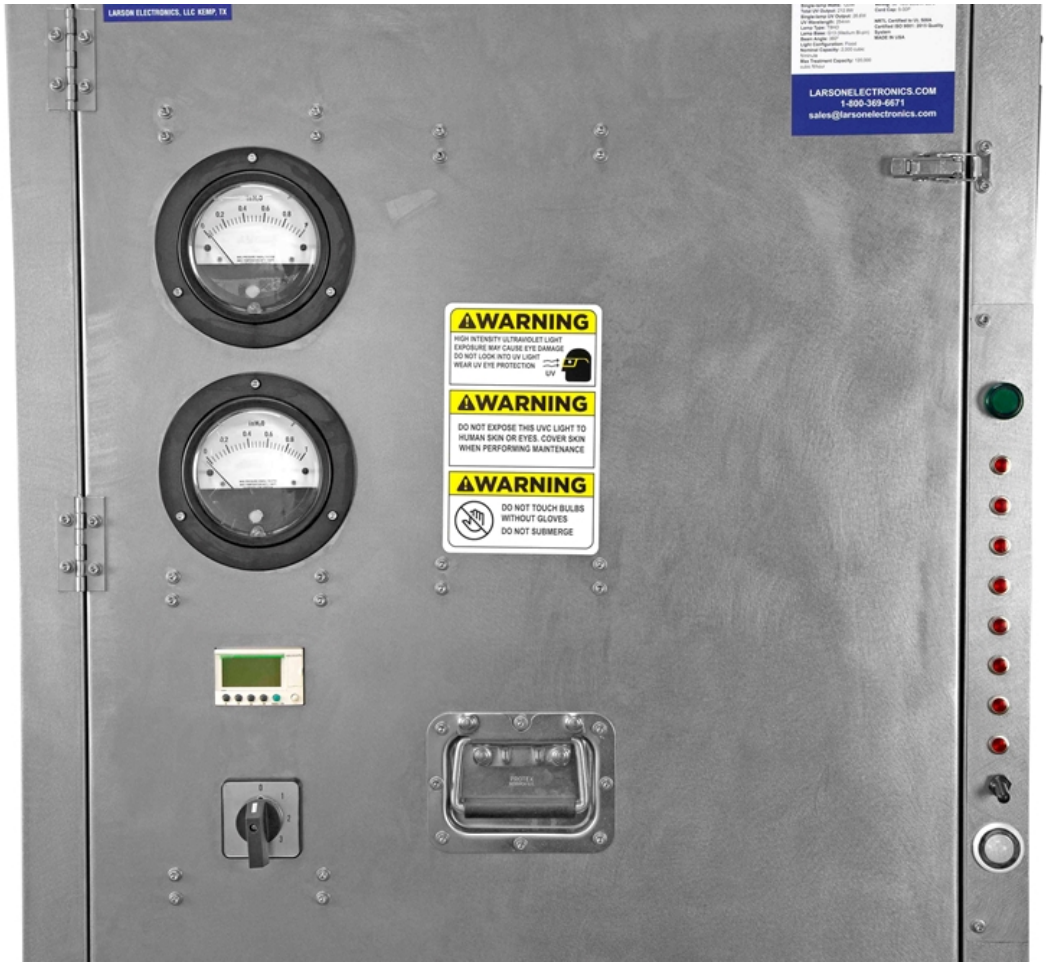





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Product ID: 280249

Export Control Classification Number (ECCN): EAR99

Options:

IND-AHF.360-CD-UVC-R1-MMS-220V.50-50C-Cord Cap

Example: IND-AHF.360-CD-UVC-R1-MMS-220V.50-50C-6.15

Cord Cap	
6-15	-6.15
6-20	-6.20
L6-15	-L6.15
L6-20	-L6.20
SCHUKO	-Schuko
PIGTAIL	-Pigtail

Links (Click on the below items to view):

- Certificate 4, Misc
- EfficiencyImage
- Eye Safety Information/Certificate
- Operations Manual
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- Video3
- Video4
- Video5
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map