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IND-AHF-BX-UVC-R1-120V-15C

UV Air Sanitation Purifier - 120V - (2) 15W T8 UVC Lamps - 15' 16/3 SOOW Cord - Occupied Areas

Product ID: 268079

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-BX-UVC-R1-120V-15C UV Air Disinfection for Occupied Areas

Lamp Technology: UV-C Fluorescent
Lamp Quantity: (2) UVC Lamps
Dimensions: 36"-L x 7.75"-W x 11.22"-H
Weight: 65 lbs
Voltage: 120V AC
Total Watts: 30W
Single-lamp Watts: 15W
Total UV Output: 10.6W
Single-lamp UV Output: 5.3W
Total UV Irradiance: 88 uW/cm2 at 3 feet
Expected Lifespan: 8,000+ Hours
UV Wavelength: 254nm
Lamp Type: T8 1.5F
Lamp Base: G13
Replacement Lamp: -
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: Limit Switch

Filter: Yes

Filter MERV Rating: MERV 16

Filter Particulate Size: 0.3 to 1.0 Microns

Blower Capacity: 72 cubic ft/minute

Nominal Fixture Capacity: 54 cubic ft/minute

Max Treatment Capacity: 3,240 cubic ft/hour

Max Room Size @ 3 Air Changes/Hour: 1,080 cubic ft

Max Room Size @ 4 Air Changes/Hour: 810 cubic ft

Max Room Size @ 5 Air Changes/Hour: 648 cubic ft

Max Room Size @ 6 Air Changes/Hour: 540 cubic ft

Amps: 0.25A @ 120V

Ambient Operating Temp Range: -

Materials: 304 Stainless Steel, Aluminum

Mounting: Free Standing and Wall, Surface, or Ceiling Mount

Air Flow Exit: Louvered Exhaust Panel

Cord: 15' 16/3 SOOW Cord w/ 120V 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 IND-AHF-BX-UVC-R1-120V-15C Industrial UV Air Purifier from Larson Electronics actively disinfects the surrounding air in occupied areas without noise. This unit uses two T8 UVC lamps that provide 10.6 watts of total UV output during UV treatment. Designed for free-standing operation and permanent installation on walls, surfaces or ceilings, the UV air purifier operates on 120V AC and is protected by 304 stainless steel enclosure. The IND-AHF-BX-UVC-R1-120V-15C 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 corona virus*

The IND-AHF-BX-UVC-R1-120V-15C is a powerful sanitation solution for occupied areas in buildings. Equipped with two T8 UVC fluorescent lamps, this system offers 10.6 watts of 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. A limit 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).

Blower Capacity	72 cubic ft/minute
Nominal Fixture Capacity	54 cubic ft/minute
Max Treatment Capacity	3,240 cubic ft/hour
Max Room Size @ 3 Air Changes/Hour	1,080 cubic ft
Max Room Size @ 4 Air Changes/Hour	648 cubic ft
Max Room Size @ 5 Air Changes/Hour	810 cubic ft
Max Room Size @ 6 Air Changes/Hour	540 cubic ft

Operation: Surrounding "dirty" air is drawn into the UV purifier via washable electrostatic filters. The "dirty" air passes through the UV sanitation chamber where it is treated with UVC light using the two T8 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. This low-maintenance air disinfection process is continuous and quiet.
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



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 15 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.
Mounting: The IND-AHF-BX-UVC-R1-120V-15C can be deployed as a free-standing unit in occupied areas. This unit is also compatible with permanent installations on walls, surfaces or ceilings. We offer models with 2x2 and 2x4 troffer mount features for installations on ceilings with tiles or grids.
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.

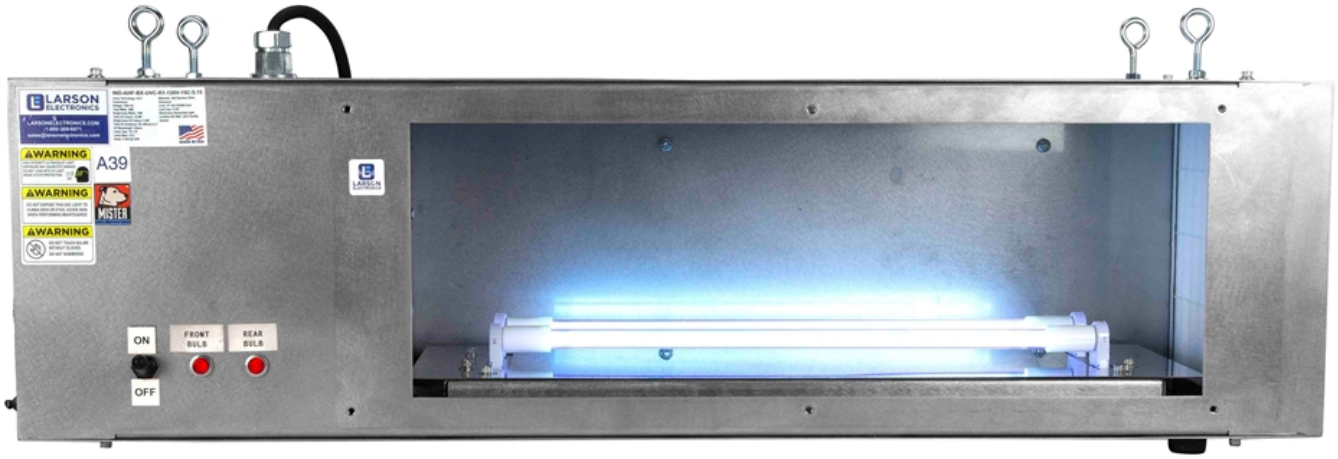
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Frequently Asked Questions (FAQ)

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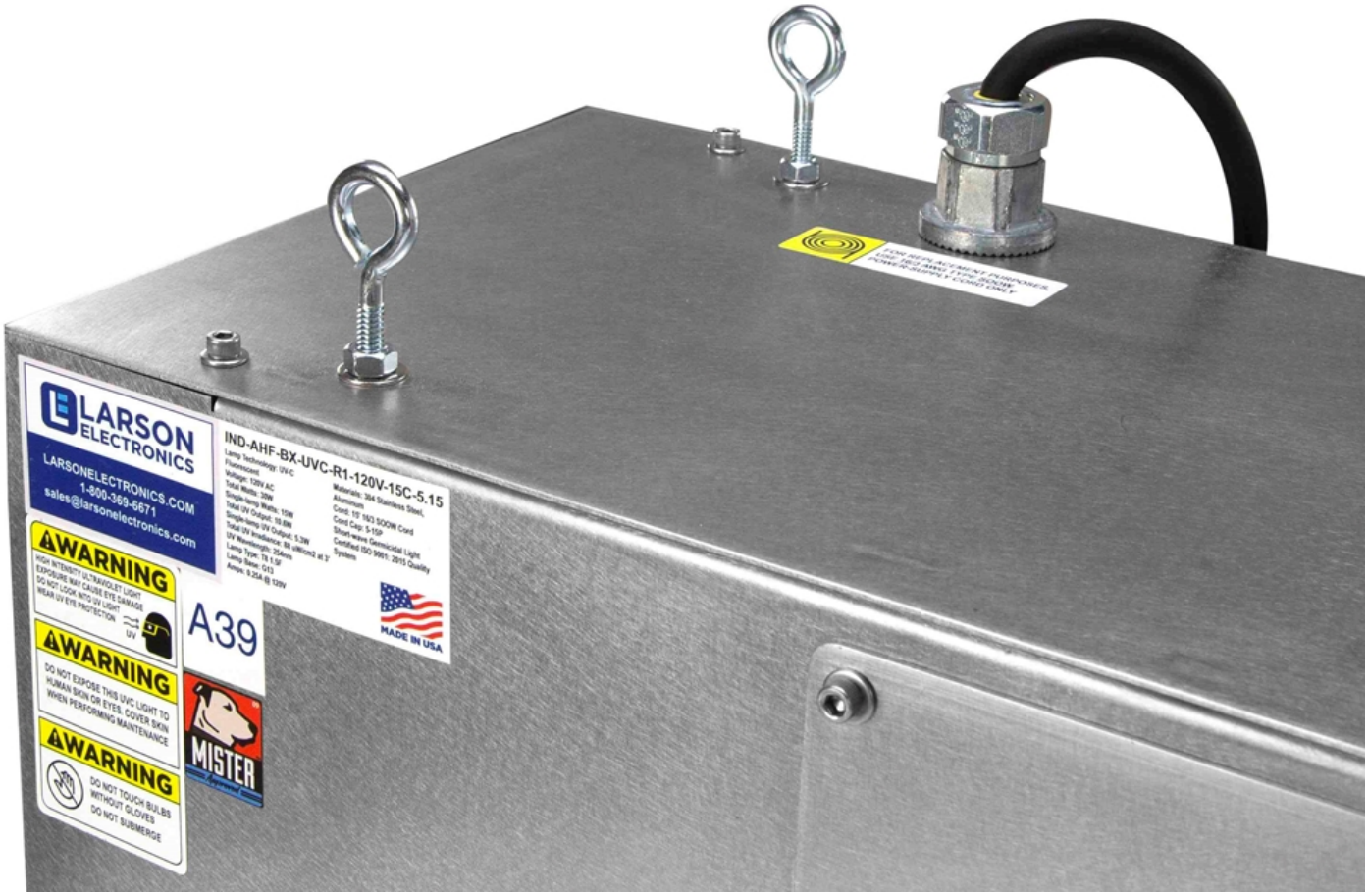






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Product ID: 268079

Export Control Classification Number (ECCN): EAR99

Options:

IND-AHF-BX-UVC-R1-120V-15C-Cord Cap

Example: IND-AHF-BX-UVC-R1-120V-15C-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
- Dimensional Drawing 2D
- 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
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- Video4
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map