

IND-AHF-BX-UVC-R5-120V

UV Air Sanitation Purifier - Tamper Proof - 120V - (2) 60W T8 UVC Lamps - Hard Wired - Occupied Areas - Ceiling Mount - For Prisons/Correctional Facilities

Product ID: 273821

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-R5-120V Industrial UV Ceiling Mount Tamper Proof Air Purifier

Lamp Technology: UV-C Fluorescent

Lamp Quantity: (2) UVC Lamps

Dimensions: 52"-L x 12"-W x 10"-H

Weight: -

Voltage: 120 V AC

Total Watts: 370W

Single-lamp Watts: 60W

Total UV Output: 26.6W

Single-lamp UV Output: 13.3W

Total UV Irradiance: 120 uW/cm2 at 3 feet

Expected Lifespan: 8,000+ Hours

UV Wavelength: 254nm

Lamp Type: T8HO 2FT

Lamp Base: G13

Replacement Lamp: -

Beam Angle: 360°

Light Configuration: Flood

Internal Reflector: Polished

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

Ratings/Features

Short-wave Germicidal Light

EPA Reg. No 98409-1

EPA Est. No. 98409-TX-1

Tamper Proof Design

Switch Located Behind Keyed, Hinged Panel

Ideal for Prisons & Correctional Facilities

Safety Switch: Limit Switch

Blower Capacity: 162 cubic ft/minute

Nominal Fixture Capacity: 121 cubic ft/minute

Max Treatment Capacity: 7,290 cubic ft/hour

Max Room Size @ 3 Air Changes/Hour: 2,430 cubic ft

Max Room Size @ 4 Air Changes/Hour: 1,458 cubic ft

Max Room Size @ 5 Air Changes/Hour: 1,822 cubic ft

Max Room Size @ 6 Air Changes/Hour: 1,215 cubic ft

Amps: 3.25 A @ 120 V

Ambient Operating Temp Range: -

Materials: 304 Stainless Steel, Aluminum, Tamper Proof Bolts

Mounting: Ceiling Mount - Drywall, Metal, or 2x4 Grid Ceiling Compatible

Air Flow Exit: Louvered Exhaust Panel

Wiring: Hardwired

Wiring Elbow: 90° Wiring Elbow

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

The IND-AHF-BX-UVC-R5-120V from Larson Electronics is an Industrial UV Ceiling Mount Tamper Proof Air Purifier that actively disinfects the surrounding air in occupied areas without noise. This unit uses two T8HO UVC lamps that provide 26.6 watts of total UV output during UV treatment. Designed for installation on drywall ceilings, metal ceilings, or dropped into a 2x4 grid ceiling, the UV air purifier operates on 120 V AC and is protected by 304 stainless steel enclosure. The IND-AHF-BX-UVC-R5-120V is tamper proof and ideal for use in prisons and correctional facilities.

****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-BX-UVC-R5-120V is a powerful sanitation solution for occupied areas in buildings within prisons and correctional facilities. Equipped with two T8HO UVC fluorescent lamps, this system offers 26.6 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	162 cubic ft/minute
Nominal Fixture Capacity	121 cubic ft/minute
Max Treatment Capacity	7,290 cubic ft/hour
Max Room Size @ 3 Air Changes/Hour	2,430 cubic ft
Max Room Size @ 4 Air Changes/Hour	1,458 cubic ft
Max Room Size @ 5 Air Changes/Hour	1,822 cubic ft
Max Room Size @ 6 Air Changes/Hour	1,215 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.

Wiring/Plug: This unit is designed to be hard wired and is equipped with a 90° elbow to accommodate hard wiring installation.

Tamper Proof: Designed to be installed and used in prisons and other correctional facilities, the IND-AHF-BX-UVC-R5-120V uses tamper proof bolts. The control switch to power the light on or off is located behind a keyed, hinged panel and cannot be accessed without the key.

Mounting: The IND-AHF-BX-UVC-R5-120V is designed to be ceiling mounted. It can be mounted directly to drywall ceilings, mounted to metal ceilings via thru holes in the mounting bracket, or dropped into a 2x4 grid ceiling. If it is installed in a grid ceiling, the purifier will sit below the grid. Therefore, the 2x4 ceiling tile needs to be installed above the purifier so that there isn't a hole in the ceiling.

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.

Frequently Asked Questions (FAQ)





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Product ID: 273821

Export Control Classification Number (ECCN): EAR99

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](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
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