Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

IND-AHC-TRF-2X4-UVC-VIS-R2-120V

Industrial UV Air Purifier w/ LED Panel Light - 120V - (2) 60W T8 UVC Lamps - 2x4 Troffer Mount - Occupied Areas

Product ID: 271670

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-AHC-TRF-2X4-UVC-VIS-R2-120V UV Air Disinfection for Occupied Areas

Lamp Technologies: UV-C Fluorescent + LED

UV Lamp Quantity: (2) UVC Lamps

Dimensions: 46-5/8"-L x 22-1/8"-W x 9-7/16"-H

Weight: 65 lbs

Voltage: 120V AC

System Watts: 160W

Single UV-lamp Watts: 60W

Total UV Output: 26.6W

Single-lamp UV Output: 13.3W

Total UV Irradiance: 240 uW/cm2 at 3 feet

Expected Lifespan: 8,000+ Hours

UV Wavelength: 254nm

UV Lamp Type: T8 2F-HO

UV Lamp Base: G13

UV Replacement Lamp: -

UV Beam Angle: 360º

UV Light Configuration: Flood

Internal Reflector: Polished

UV Ballast Type: Electronic

Ratings/Features

Short-wave Germicidal Light

LED Indicator Lights

EPA Reg. No 98409-1

EPA Est. No. 98409-TX-1

Disconnect: Interlock Safety Switch

Nominal Capacity: 210 cubic ft/minute

Max. Room Size Treated at 3 Room Air Changes/Hour: 4,200 cubic ft

Max. Room Size Treated at 6 Room Air Changes/Hour: 2,100 cubic ft

Max. Treatment Capacity: 12,600 cubic ft/hour

LED Panel Lumens: 3,800

LED Panel Luminous Efficacy: 90 Lm/W

LED Lamp Life Expectancy: 50,000+ Hours

LED Color Temp: 5000K, 4500K, 4000K, 3500K or 3000K

LED CRI: >80

LED Beam Angle: 120°

LED Lighting Configuration: Flood

Amps: -

Ambient Operating Temp Range: -

Materials: 304 Stainless Steel, Aluminum

Mounting: 2x4 Troffer Mount

Air Flow Exit: Louvered Exhaust Panel

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

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The IND-AHC-TRF-2X4-UVC-VIS-R2-120V Industrial UV Air Purifier with LED Light from Larson Electronics actively disinfects the surrounding air in occupied areas without noise. This unit uses two T8 UVC lamps that provide 26.6 watts of total UV output during UV treatment. Designed for 2x4 troffer mount installations on ceilings, the UV air purifier operates on 120V AC and is protected by 304 stainless steel enclosure. A center-located LED panel provides general (non-UV) illumination in the area.

*****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. *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-AHC-TRF-2X4-UVC-VIS-R2-120V is a powerful sanitation and general-area lighting solution for occupied areas in buildings. Equipped with two T8 UVC fluorescent lamps, this system offers 26.6 watts of total UV output for sanitation, 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 when the access panel is unhinged.

Operation: Surrounding "dirty" air is drawn into the UV purifier via 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.

LED Panel: An LED panel located between the filters offers general (non-UV) illumination in the area. This feature makes the unit an effective replacement for traditional troffer mount lights. The LED panel offers tremendous lumen retention during its rated 50,000+ hour service life and is available in the following color temperature options: 5000K, 4500K, 4000K, 3500K or 3000K. During use, the light produces up to 3,800 lumens while drawing only 40 total watts and offering a luminous efficacy of 95 Lm/W.
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Mounting: The IND-AHC-TRF-2X4-UVC-VIS-R2-120V is compatible with 2x4 troffer mount installations on ceilings. We offer models with surface mount features for installations on ceilings without 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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)


WARNING
WARNING
WARNING
A24

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364





Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

IND-AHC-TRF-2X4-UVC-VIS-R2-120V

Product ID: 271670

Export Control Classification Number (ECCN): EAR99

Options:

IND-AHC-TRF-2X4-UVC-VIS-R2-120V-Color Temp

Example: IND-AHC-TRF-2X4-UVC-VIS-R2-120V-50K

Color Temp	
5000K	-50K
4500K	-45K
4000K	-40K
3500K	-35K
3000K	-30K

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
- Lighting Study (Layout) Example 1
- 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
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map