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IND-HVAC-ACS-R1-DE-48-2L-XB

AC Coil Sanitation Bolt-in Kit - (2) 120W T8HO UV Lamps w/ (1) PS - Mounting Hardware, Extended Wiring

Product ID: 268680

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-HVAC-ACS-R1-DE-48-2L-XB High Output UV AC Light Kit

Lamp Technology: UV-C Fluorescent

Lamp Quantity: (2) UV Lamps

Lamp Dimensions: 48"-L

Weight: -

Voltage: -

Total Watts: 240W

Single-lamp Watts: 120W

Total UV Output: 53.2W

Single-lamp UV Output: 26.6W

UV Irradiance: 240 uW/cm2 at 3 feet,
559.2 uW/m2 @ 2 foot,
864 uW/cm2 @ 18 inches,
1284 uW/cm2 @ 14 inches,
1555.2 uW/cm2 @ 12 inches,
1905.6 uW/cm2 @ 10 inches,
2364 uW/cm2 @ 8 inches,
3096 uW/cm2 @ 6 inches,
4464 uW/cm2 @ 4 inches,
5472 uW/cm2 @ 3 inches,
7752 uW/cm2 @ 2 inches

Expected Lifespan: 8,000+ Hours

UV Wavelength: UV-C, 200nm - 280nm (254 nm)

Ratings/Features

NRTL Listed to UL 508A

NRTL Listed to CSA C22.2 No. 14

Short-wave Germicidal Light

Kills 99% of Viruses and Other Germs
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Lamp Type: Double-ended T8HO UV Lamp
Lamp Base: G13
Replacement Lamp: FRL-48-1X-T8HO-120W-UV-C
Beam Angle: 180°

Light Configuration: Flood

Power Supply: (1) Included, Indicator Light w/ L-bracket

Labels: (1) UV Warning Label
Amps: -

Ambient Operating Temp Range: -

Materials: Stainless Steel

Mounting: (8) Sheet Metal Screws, 1/2" Pipe Clamp, Lamp Mount Clips, (4) Stainless Steel L-brackets, (8) Black Zip Ties

Cable: (1) 10' and (1) 60' Cables - Lamps to Ballast

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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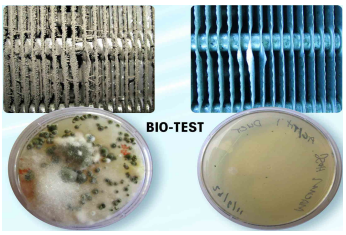
The IND-HVAC-ACS-R1-DE-48-2L-XB AC Coil Sanitation Bolt-in Kit from Larson Electronics prevents bacterial and unwanted growth in AC condenser coils. AC cleaning is facilitated by two double-ended 48" 120W T8HO UV lamps. Mounting hardware, UV warning sticker and power supply are included with the kit.

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-HVAC-ACS-R1-DE-48-2L-XB is a powerful sanitation solution for AC condenser coil cleaning. This high output UV coil system projects ultraviolet rays inside the coil it is mounted in. The light prevents bacteria and other types of buildup from accumulating on the coil, resulting in cleaner air, less maintenance and better long-term HVAC performance. The bolt-in kit comes with mounting hardware needed during installation.

Equipped with two, 48" double-ended T5HO UVC fluorescent lamps, this system offers 53.2 watts (26.6W per lamp) of UV output within the 200nm - 280nm UV-C range (254 nm). The lights have an expected lifespan of 8,000+ hours and emit a flood beam pattern. The included power supply features an indicator light with an L-bracket for installation with the ballast. One UV warning label is available for installation outside of the HVAC system (extra stickers can be purchased at an additional cost). We offer optional vertical support kits for vertical lamp installations, as well as an optional UV shield for protection from UV rays and viewing port.

Before and After UV Treatment on AC Condenser Coils



Operation: The UV lamps must be installed inside the AC handling units. AC coils are known to be dark and humid, making them areas prone to bacterial growth, mold, mildew and other harmful microbes. If left untreated, the microorganisms

can cause diseases, allergies and odors. The UV lights address these issues by eliminating growth from AC condenser coils and drain pans. This solution also reduces time spent and costs on HVAC maintenance.

Cable: The IND-HVAC-ACS-R1-DE-48-2L-XB comes with a 10` cable and a 60` cable for connection to the ballast (one cable per lamp). The extended wiring for one lamp allows operators to install the lights with many different configurations for maximum coverage. For example, the lamps can be installed in a stacked configuration or in separate locations within the HVAC system. We offer units with cable strain relief, cable extensions, and a door interlock switch at an additional cost.

Mounting: The IND-HVAC-ACS-R1-DE-48-2L-XB is designed to be secured on AC coils using included mounting hardware. Our mounting kit includes the following parts: (8) sheet metal screws, 1/2" pipe clamp, lamp mount clips, (4) stainless steel L-brackets and (8) black zip ties. We offer models with mounting magnets for seamless mounting, 12" stand-off bracket and stainless steel tubing (may come with additional cost).

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: AC sanitation and disinfection.

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: 268680

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **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**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**