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IND-HVAC-DTHG-UVC-R1-SS-36W-1L-120V

UV Air Duct Disinfection Fixture - UV-C - Destroys Airborne Bacteria & Viruses - 120V - 12W UV Output - Hydroxyl

Product ID: 271475

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-DTHG-UVC-R1-SS-36W-1L-120V UV Air Duct Disinfection System

Lamp Technology: UV-C Biax Compact Fluorescent

Exterior Housing Dimensions: 8.00"H x 5-19/32"W x 2-7/8"D

Lamp Extension (into duct): 17.5"

Weight: -

Voltage: 120V AC, 50/60 Hz

Total Watts: 36W

Total UV Output: 12W

Irradiance: 110 uW/cm2 @ 1 meter

Expected Lifespan: 8,000+ Hours

UV Wavelength: 254nm peak

Lamp Configuration: Single Lamp, Single Ended Power Source

Replacement Lamp: -

Beam Angle: 360º

Light Configuration: Flood

Light Mesh Type: Titanium Dioxide (TiO2) Coated Stainless Steel

Generated Sanitizing Compound: Hydroxyl

Amps: 0.3A @ 120V

Ambient Operating Temp Range: -

Materials: 304 Stainless Steel Enclosure

Ratings/Features

NRTL Listed to UL 508A

NRTL Listed to CSA C22.2 No. 14

Short-wave Germicidal Light

Destroys Airborne Bacteria and Viruses

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Indicator Lights: Operational Light (confirms on) and Replace Lamp (lamp no longer functional) indicator lamps

Mounting: Partial Internal Air Duct Mount

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.

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The IND-HVAC-DTHG-UVC-R1-SS-36W-1L-120V from Larson Electronics is an Air Duct Disinfection System that works to disinfect air moving through a duct system via germicidal ultraviolet (UV) rays. This unit helps control the spread of airborne cold and flu viruses, as well as other airborne transmitted disease. The anodized aluminum air duct disinfection system features one biax fluorescent UV bulb that produces 12 watts of UVC output at a wavelength of 254nm. A titanium oxide catalyst above the lamp generates hydroxyl, which actively gets rid of bacteria, viruses, odors and harmful contaminants. Considered to be safer than ozone generators, the IND-HVAC-DTHG-UVC-R1-SS-36W-1L-120V is designed to be mounted inside an air duct and operates on 120V AC current.
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-DTHG-UVC-R1-SS-36W-1L-120V is a powerful sanitation solution for industrial sites and commercial facilities. Equipped with one UVC biax fluorescent lamp, this system offers 12 total watts of UV output at a wavelength of 254nm. The lights have an expected lifespan of 8,000+ hours and emit a flood beam pattern. The IND-HVAC-DTHG-UVC-R1-SS-36W-1L-120V can be used continuously in air ducts such as those found in HVAC systems. Equipped with a a single-ended power source, the 36-watt lamp features a titanium dioxide (TiO2) coated stainless steel mesh. This component serves as a catalyst, which reacts to the UV light during use. The reaction generates hydroxyl molecules that are capable of sanitizing bacteria, viruses, mold, odors, volatile organic compounds (VOCs) and contaminants.

Hydroxyl is considered to be more effective and less harmful than ozone for humans. By comparison, ozone is mostly found in the stratosphere approximately 8 miles from the surface. Very little amounts of ozone exist on the ground because such elements are very harmful to humans. Hydroxyl can be found on the surface and does not impose the same hazards and dangers associated with ozone. Such compounds exist naturally in the atmosphere and help get rid of pollutants in the environment. Hydroxyl is more reactive than ozone and is capable of disinfecting a wider range of VOCs, germs and odors. This form of sanitation is also recommended for use with sensitive materials, as well as in occupied areas. Suitable for cleaning ducts, AC coils, HVAC systems and surrounding air, there is no downtime associated with using hydroxyl generators (the area does not need to be aired out or vented for hours after treatment). Sanitizing with hydroxyl generators is most effective when there is high volume of air flow, the environment is humid or filled with moisture and a filter is present to remove or trap oxidized elements.

Operation: This UV air duct disinfection system projects ultraviolet rays inside the air duct it is mounted in. The air flowing through the duct that passes through the UV rays is then sanitized. Bacteria and viruses present in the air that passes through the UV rays produced by the fixture are destroyed. The air moving through the duct is constantly being purified as it flows through the UV rays and reacts with hydroxyl being produced by the fixture.

Construction: The enclosure of the IND-HVAC-DTHG-UVC-R1-SS-36W-1L-120V is built from 304 stainless steel. In-Operation and Replace-Lamp indicator lamps allows operators to check the status of the UV bulb without removing the fixture from the air duct or being exposed to harmful UV radiation.

Mounting: The IND-HVAC-DTHG-UVC-R1-SS-36W-1L-120V is designed to be mounted inside an air duct (we sell adapters for mounting in round ducts separately, at an additional cost). The system is mounted in a partial internal style with the bulb(s) being mounted inside of the air duct and the electronics mounted on the outside of the duct.

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: This ultraviolet UV air duct disinfection system can be used to continuously disinfect air of mold, allergens, airborne bacteria, viruses, and germs. The IND-HVAC-DTHG-UVC-R1-SS-36W-1L-120V is ideal for use in restaurants, hospitals, clinics, laboratories, nursing homes, schools, food processing facilities, office buildings, conference rooms, universities, clean rooms, and many more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

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Product ID: 271475

Warranty: 6 Months

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Eye Safety Information/Certificate**
- **HigResPic1**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**