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

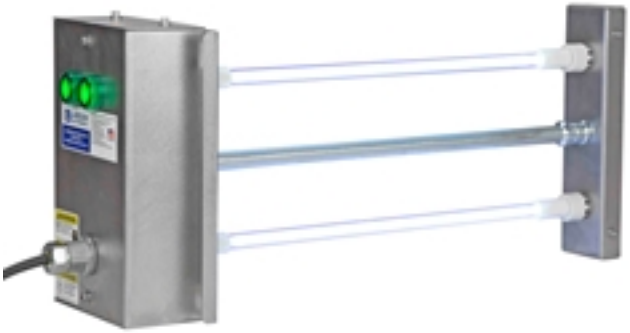
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IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V

12" UV Air Duct Disinfection 2-Lamp Fixture - UV-C - Destroys Airborne Bacteria & Viruses - 277V - 7.2W Total UV Output - Air Duct Mount - NEMA 3R Ballast Box

Product ID: 280787

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.

IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V UV Air Duct Disinfection System

Lamp Technology: UV-C Fluorescent

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

Lamp Extension (into duct): 15"

Weight: -

Voltage: 277V AC, 50/60 Hz

Wattage: 10W Per Lamp

Total Watts: 20W

UV Output: 3.6W per lamp

Total UV Output: 7.2W

Irrdiance (single lamp): 30 uW/cm2 @ 1 meter

Expected Lifespan: 8,000+ Hours

UV Wavelength: 254nm peak

Lamp Base: G13 (Medium Bi-Pin)

Replacement Lamp: FRL-12-1X-T8-10W-UV-C

Beam Angle: 360º

Light Configuration: Flood

Amps: -

Ambient Operating Temp Range: -

Materials: 304 Stainless Steel Enclosure

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

Mounting: Partial Internal Air Duct Mount

Ratings/Features

NRTL Listed to UL 508A

NRTL Listed to CSA C22.2 No. 14

T8 Bulb Shape

Short-wave Germicidal Light
Destroys Airborne Bacteria and Viruses
Non-Ozone Producing Germicidal UV Lamp
NEMA 3R Rated Ballast Enclosure
Gasketed Mount Keeps Moisture Out
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Special Orders - Special Requirements

Contact us for special requirements

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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.

This unit is Made In USA - Manufactured in Texas

The IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V from Larson Electronics is a Air Duct Disinfection System that works to disinfect air moving through a duct system via germicidal ultraviolet (UV) rays. This unit helps to control the spread of airborne cold and flue virus as well as other airborne transmitted disease. This anodized aluminum air duct disinfection system features a pair of 10 watt UV bulbs that each produce 3.6 watts (7.2W total) of UV output at a wavelength of 254nm. The IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V is designed to be mounted inside an air duct and operates on 277 V AC current. This unit can be installed on rooftop duct units with a gasket mount, outdoor rated indicator light, and NEMA 3R rated ballast enclosure.

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-DTW-UVC-R5-SS-12-2L-N3R-277V is a powerful sanitation solution for industrial sites and commercial facilities. Equipped with a pair of UVC fluorescent lamps, this system offers 7.2 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-DTW-UVC-R5-SS-12-2L-N3R-277V can be used continuously in air ducts such as those found in HVAC systems.

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 being produced by the fixture.

Construction: The enclosure of the IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V is built from 304 stainless steel. In-Operation and Replace-Lamp indicator lamps allows for operators to check the status of the UV bulb(s) without removing the fixture from the air duct or being exposed to harmful UV radiation.

Mounting: The IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V is designed to be mounted inside an air duct. 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.

The IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V can be mounted on rooftop ducts and HVAC units. The design of this air duct disinfection system requires the ballast box to be mounted outside of the duct. For rooftop units, the externally mounted ballast box will be exposed to the elements. The IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V features a NEMA 3R ballast enclosure along with a gasketed mount between the ballast enclosure and mounting surface to keep moisture out. The indicator light is also outdoor rated.

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

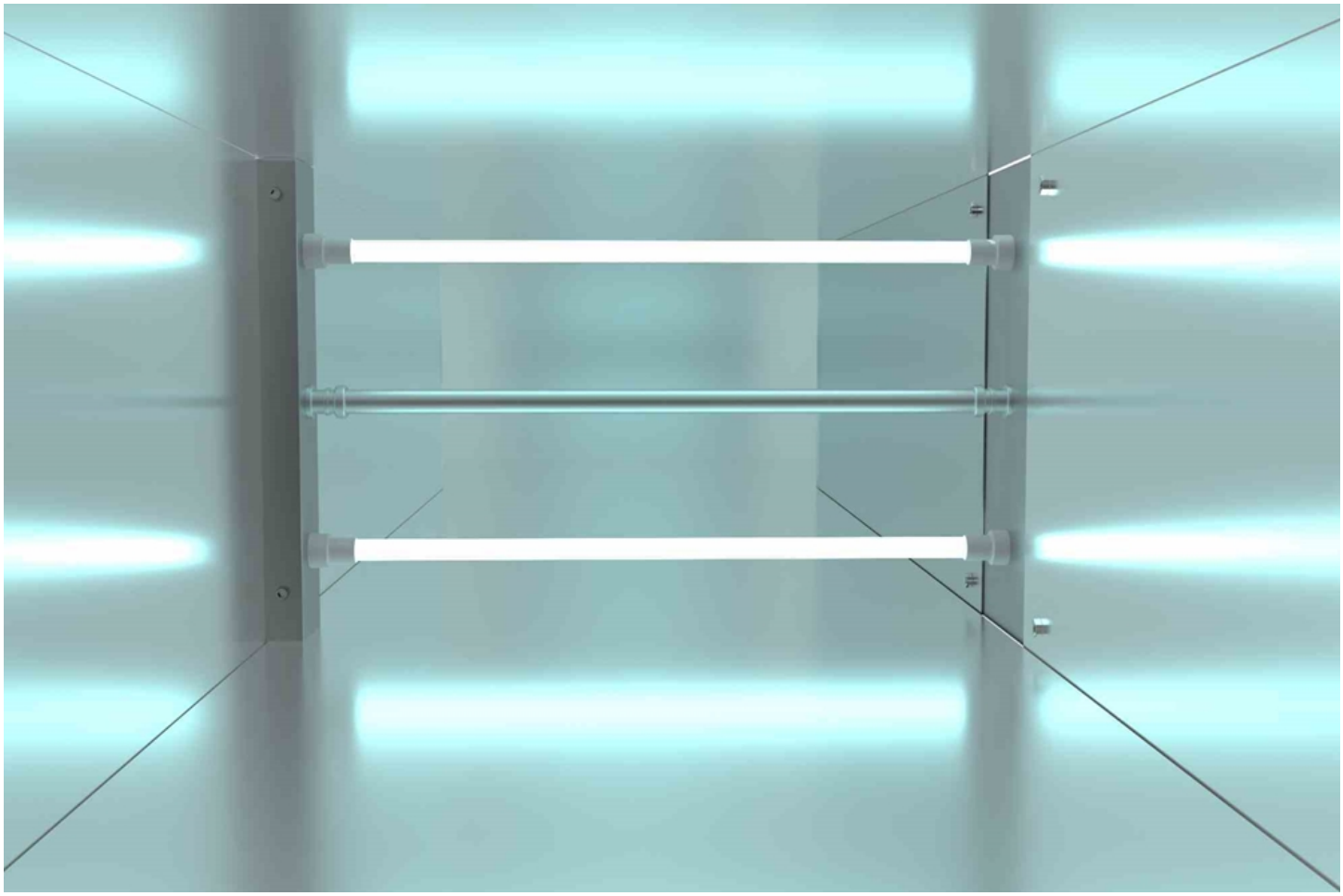
germs. The IND-HVAC-DTW-UVC-R5-SS-12-2L-N3R-277V is ideal for use in restaurants, hospitals, clinics, laboratories, nursing homes, schools, food processing facilities, office buildings, conference rooms, universities, clean rooms, and many more.

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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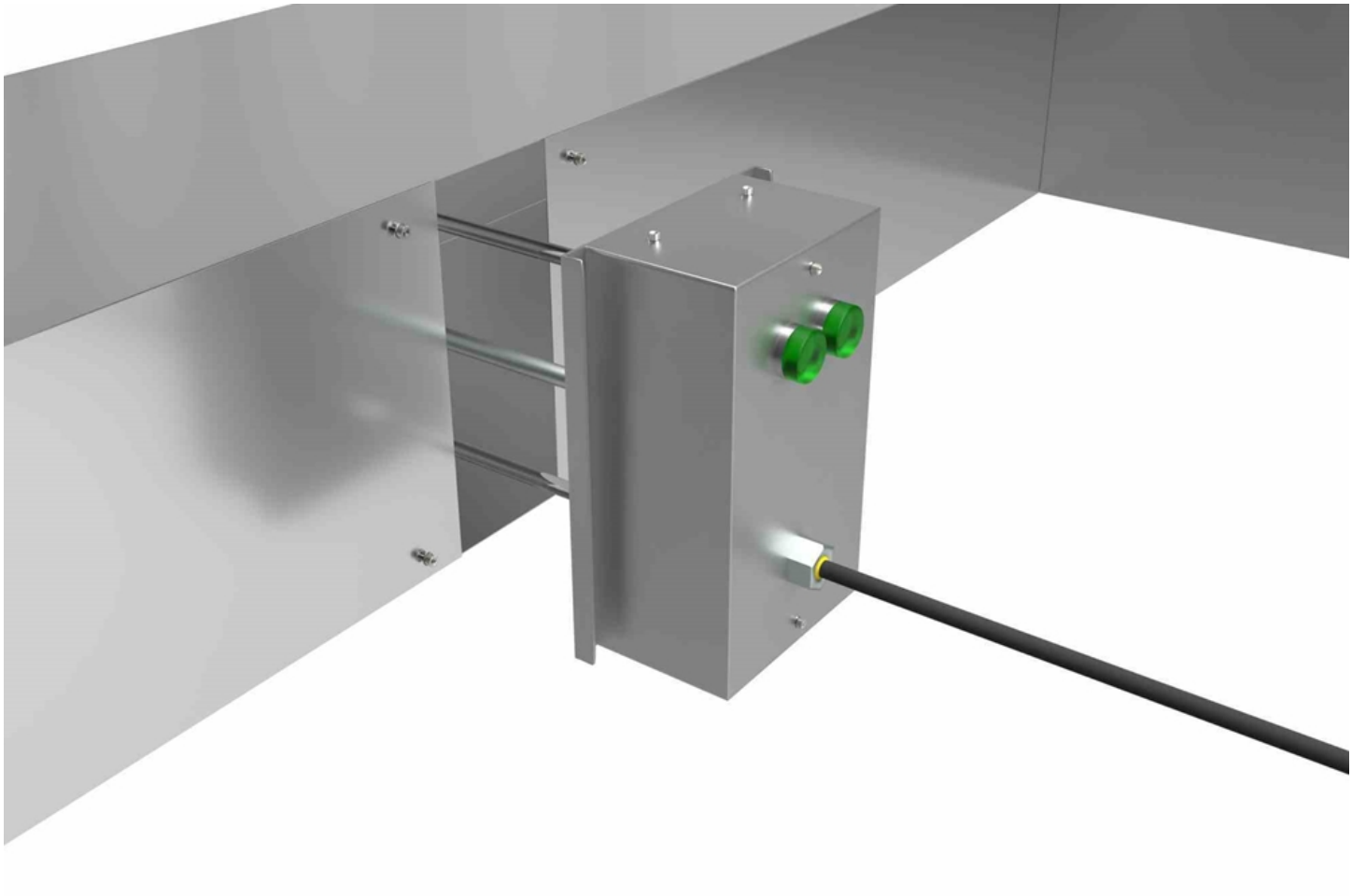
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Frequently Asked Questions (FAQ)



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Product ID: 280787

Warranty: 6 Months

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
- 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
- Video1
- Video2
- Video3
- Video4
- Video5
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map