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-HVAC-DDW-R1-IDC-150W-UVC-XB

150W In-duct UVC Disinfection Light - 120-277V - 360° Coverage - Low Maintenance

Product ID: 269257

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-DDW-R1-IDC-150W-UVC-XB UVC Air Sanitation

Listing: -
Lamp Technology: UVC Induction
Dimensions: -
Weight: -
Voltage: 120-277V AC
Total Watts: 150W
Total UV Output (Watts): -
Total Radiant Intensity: 650 uW/cm2 @ 3 feet
Luminous Efficacy: -
Lamp Life: 60,000+ Hours
UV Band: UVC 254nm (200nm - 280nm)
Peak Wavelength: 280nm
Color Temperature: -
Color Rendering Index: -
Lamp Type: Induction
Lamp Base: -
Replacement Lamp: -
Beam Angle: 360°
Lighting Configuration: Flood Pattern

Ratings/Approvals

NRTL Listed to UL 508A
NRTL Listed to CSA C22.2 No. 14
Germicidal Applications
Risk Group 3 UV product
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Power Efficiency: -
Power Factor: -
Amps: 2.5A @ 120V, 125A @ 240V, 1.08A @ 277V
Operating Temp Range: -
Housing Material: -
Hardware/Hub Material: -
Mounting: In-duct Mount
Hub Quantity: -
Wiring Hub Size: -

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

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The IND-HVAC-DDW-R1-IDC-150W-UVC-XB from Larson Electronics is an In-duct UVC Disinfection Light that serves as a sanitation solution for ducts and ventilation systems in industrial facilities. This 150-watt unit features a UVC induction lamp with a 360° beam angle configuration. Powered via an electromagnet to reduce the risk of gas leaks associated with fluorescent lights, the luminary is mounted inside ducts (center) and operates on 120-277V AC.

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The IND-HVAC-DDW-R1-IDC-150W-UVC-XB is a powerful induction sanitation lamp that is suitable for aerial disinfection in ducts. This 150-watt fixture provides UVC output within the 200nm - 280nm range. During use, the unit emits UV light inside the duct with a 360° beam angle in a flood beam configuration. This mercury-based germicidal lamp operates on 120-277V AC and does not contain electrodes. The lamp has a 60,000-hour useful lifespan, making the unit a long-lasting solution in work sites. With the UV light positioned inside the center of the duct, surrounding coverage of the area is maximized. This solution also ensures less resistance against airflow (resulting in better performance), as less lamps are required compared to traditional in-duct sanitation systems that utilize several lamps.

Operation: The IND-HVAC-DDW-R1-IDC-150W-UVC-XB should only be used in enclosed ducts. The UVC radiation produced by this fixture is not safe for skin or eyes. These fixtures should also be set up on a separate circuit from other lighting. It is also advised to use a control circuit that incorporates a motion sensor with groupings of fixtures. This adds a level of safety because the lights will turn off if someone enters the area while the lights are on.

This UV fixture is a Risk Group 3 UV product. UV radiation from the unit can damage the skin and eyes without proper protection. Operators should avoid exposure to the eyes and skin when the unit is unshielded (for use in enclosed environments only). In the event of lamp breakage, it is recommended to ventilate the room for 30 minutes and clean the area with gloves (not a vacuum cleaner). Contents should be stored in a sealed plastic bag and brought to a

waste/recycling facility.
Note on Lamps: Induction lamps are similar to high-intensity discharge lamps. There is a glass bulb filled with gases, and an external ballast. The difference in the technology is, unlike metal halide or high pressure sodium that create an arc between two electrodes to ignite gases, induction lamps generate light from an electromagnetic interaction with the gases. This magnetic reaction with the gases provides a more energy efficient product and a longer lifespan over traditional high intensity discharge lamps. Additionally, there is no warm-up time generally associated with high intensity discharge lamps. Induction lamps provide instant-on light output similar to LED technology. The combination of induction lamp technology and UVC output provides the high output from high intensity discharge lamps with the instant-on, long life span, and energy efficiency of LED technology.
Mounting: The IND-HVAC-DDW-R1-IDC-150W-UVC-XB is designed to be mounted at the center of ducts for maximum coverage. We offer offset brackets for mounting at an 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: Germicidal, water purification, disinfection, food processing, air disinfection, pharmaceuticals, biotechnology and 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.

Frequently Asked Questions (FAQ)

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Catalog Page - Product Series**
- **Certificate 4, Misc**
- **Eye Safety Information/Certificate**
- **Lighting Facts & Information**
- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **Video4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**