

IND-HVAC-DDW-R1-IDC-80W-UVC-XB

80W In-duct UVC Disinfection Light - 120-277V - 360° Coverage - Low Maintenance

Product ID: 269258



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-80W-UVC-XB UVC Air Sanitation**

Listing: -

Lamp Technology: UVC Induction

Dimensions: 22.80" x 7.63" x 4.80"

Weight: -

Voltage: 120-277V AC

Total Watts: 80W

Total UV Output (Watts): -

Total Radiant Intensity: 347 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

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: -

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

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

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-DDW-R1-IDC-80W-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 80-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.

***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-HVAC-DDW-R1-IDC-80W-UVC-XB is a powerful induction sanitation lamp that is suitable for aerial disinfection in ducts. This 80-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-80W-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

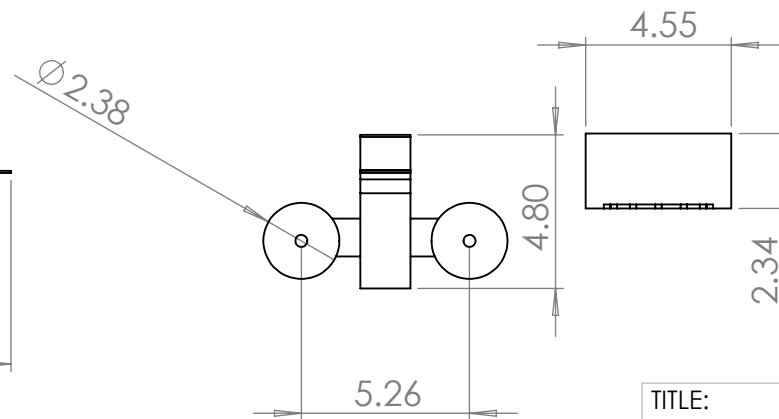
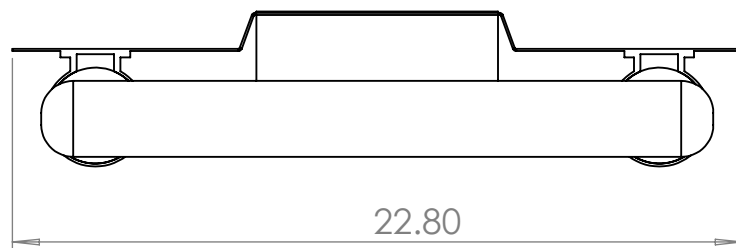
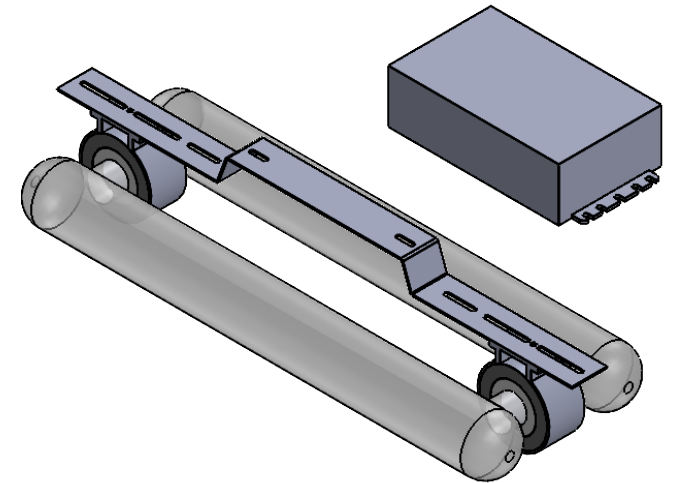
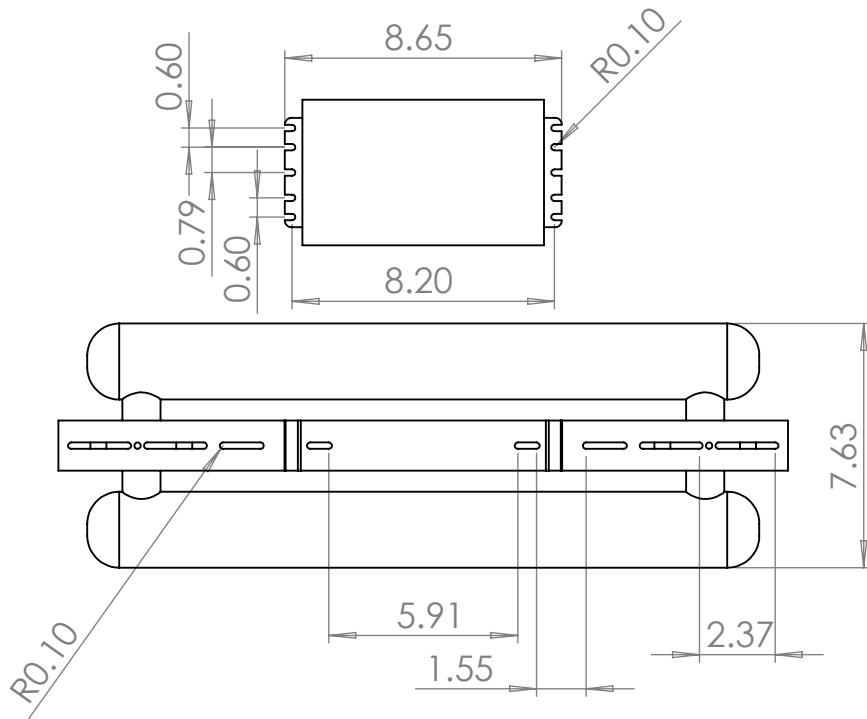
technology and UVC output provides the high output from high intensity discharge lamps with the instant-on, long life span, and energy efficiency of LED technology.

Mounting: The IND-HVAC-DDW-R1-IDC-80W-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.



PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
LARSON ELECTRONICS LLC. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
LARSON ELECTRONICS LLC IS
PROHIBITED.

DIMENSIONS ARE IN INCHES		DRAWN		NAME	
MATERIAL		CHECKED		N/A	
DO NOT SCALE DRAWING					

TITLE:					
IND-HVAC-DDW-R1- IDC-80W-UVC-XB UVC					
SIZE	DWG. NO.		REV		
A	A		1		
SCALE: NTS				SHEET 1 OF 1	



Form 3540-8 Accepted for Establishment LARSON ELECTRONICS LLC

From
helpdesk@epacdx.net

Re: Establishment Number: 98409-TX-1
EPA Region: 06

Larson Electronics LLC
Attn: Robert Bresnahan
9419 E US HWY 175

Kemp, TX 75143 USA

This email serves as notification of registration of the pesticide-producing establishment for which you applied, pursuant to Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The Form 3540-8 for establishment LARSON ELECTRONICS LLC has been accepted. The new Establishment Number is: 98409-TX-1. This establishment registration will remain in effect, provided pesticide reports on production and sales or distribution amounts are submitted annually as required.

Part 167 of the Code of Federal Regulations (40 CFR) requires your company to submit an initial report for Pesticide-Producing Establishments, EPA Form 3540-16, within 30 days of receipt of this email. You should submit electronically with the Section Seven Tracking System (SSTS) to ensure on-time delivery. You can find out how to register for e-reporting and submit your initial and annual reports quickly here:
<https://www.epa.gov/compliance/electronic-reporting-pesticide-establishments>

Please note that the initial report asks for production amounts for year **2019**. **Failure to submit your Initial report(s) within 30 days may subject your establishment(s) to an administrative civil penalty.**

After the initial report, future reports must be submitted on a yearly basis. Production reports for establishments registered to produce pesticides and pesticidal devices are due by March 1st as long as the establishment is active, regardless of whether or not production has occurred (regulations pursuant to Section 7 of FIFRA).

NOTE: EPA will not accept any faxes or emails of establishment initial or annual reports (EPA Form 3540-16).

Parts of the 40 CFR which apply to pesticide establishments are: (1) *Part 167-Registration of Pesticide and Active Ingredient Producing Establishments, Submission of Pesticide Reports* and (2) *Part 169-Books and Records of Pesticide Production and Distribution*.

Changes in name, address, or ownership of the company or any establishments are to be reported to this

office within thirty (30) days of the change. If your company decides to cease production of all pesticides and pesticidal-devices, you may request termination of the establishment(s). Requests for termination of establishments can be sent to the proper [EPA Regional Coordinator](#) in your area, or completed on our electronic reporting system at <https://cdx.epa.gov>.

The container of each pesticide product which is released for shipment must bear the EPA Establishment Number assigned to the establishment in which it was produced. This number, which is to be preceded by "EPA Est.", may appear in any suitable location on the label or immediate container. It must also appear on the outside container or wrapper of the package if the EPA Establishment Number on the immediate container cannot be clearly read.

For more information, FAQs and additional instructions please go to our website: <https://www.epa.gov/compliance/pesticide-establishment-registration-and-reporting>



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

Sep 23, 2020

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Robert Bresnahan
Larson Electronics LLC
9419 E US HWY 175

Kemp, TX 75143

Subject: Assignment of New EPA Company Number

Dear Registrant:

The Office of Pesticide Programs received your request for a company/distributor number. The company number assigned to you is 98409.

You are required to notify the Agency of any change in name or address. All requests for change of company name and/or address, appointment of agent or withdrawal of an agent's appointment, must be sent to the following address:

Document Processing Desk(COADR)
Office of Pesticide Programs(7504P)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

All products must be registered with the Agency prior to shipment and/or sale. Information on registering pesticide products can be obtained by calling the Registration Division Ombudsperson at (703) 308-8893. Requests for a Pesticide Registration Kit can be obtained via e-mail to: Hobgood.Sherada@epa.gov If you are only distributing a product you must complete the Notice of Supplemental Registration of Distributor (EPA form 8570-5). This form can also be obtained by calling the number listed above or can be downloaded at: <https://www.epa.gov/pesticide-registration/pesticide-registration-manual-blank-forms>.

Any production of pesticides, active ingredients or devices, including companies or establishments that import into the United States, must be conducted in a registered pesticide-producing or device-producing establishment. Information on registering an establishment can be downloaded at: <https://www.epa.gov/compliance/epa-form-3540-8-application-registration-pesticide-producing-and-device-producing>.

Sincerely,

A handwritten signature in cursive script, appearing to read "Shirley A. Buehler", is located below the word "Sincerely,".

Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

Frequently Asked Questions (FAQ)