Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
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IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C

UV Air Vent Disinfection Fixture - UV-C - Destroys Airborne Bacteria & Viruses - 120V - 2.4W UV Output - Corner Vent Mount

Product ID: 270960

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-DTV-UVC-R1-SS-9W-1L-120V-10C UV Vent Disinfection System

Lamp Technology: UV-C Compact Fluorescent

Dimensions: -

Vent Size Compatibility: 12" x 8" and 12" x 10" Vents

Weight: -

Voltage: 120V AC, 50/60 Hz

Total Watts: 9W

Single-lamp UV Output: 2.4W

Total Effective UV Radiation (at 1 Meter): 23.0 uW/cm2 @ 1M

Expected Lifespan: 8,000+ Hours

UV Wavelength: UV-C, 253.7nm

Lamp Type: Compact Fluorescent

Lamp Base: 2-Pin G23 Base

Replacement Lamp: FRL-6-1X-G23-9W-UVC

Beam Angle: 180°

Light Configuration: Flood

Reflector Shield: Back of Bulb Socket

Ballast: Remote Mount

Power Indicator Light: On Ballast Box

Amps: 0.08A @ 120V

Ambient Operating Temp Range: -

Ratings/Features

Short-wave Germicidal Light

Kills 99% of Viruses and Other Germs

Destroys Airborne Bacteria and Viruses

Made in USA - Manufactured in Texas

Adjustable Arms

EPA Reg. No 98409-1

EPA Est. No. 98409-TX-1

Special Orders - Special Requirements

Contact us for special requirements

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Materials: -

Mounting: Corner Vent Mount w/ Recessed Bracket System

Wiring: 12' 16/3 SOOW Cord Between Lamps & Ballast Box; 10' 16/3 SOOW Cord w/ 120V Cord Cap From Ballast Box

Cord Cap: 5-15 Straight, L5-15 Twist, or Pigtail

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.

Toll Free: 1-800-369-6671

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This unit is Made In USA - Manufactured in Texas

The IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C from Larson Electronics is a UV Air Vent Disinfection Fixture that works to disinfect air moving through vents via germicidal ultraviolet (UV) rays. This unit helps to control the spread of airborne cold and flu viruses, as well as other airborne transmitted disease. The disinfection system features one compact fluorescent UV bulb on adjustable arms that produce 2.4 watts of UVC output at a wavelength of 253.7nm. Compatible with 12" x 8" and 12" x 10" vents, the IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C 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-DTV-UVC-R1-SS-9W-1L-120V-10C is a powerful sanitation solution for vents inside industrial sites and commercial facilities. Equipped with one UVC compact fluorescent lamp secured on adjustable arms, this system offers 2.4 watts of UV output at a wavelength of 253.7nm. The light has an expected lifespan of 8,000+ hours and emits a flood beam pattern. The compact size of the IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C allows it to be used continuously in vents. The 9-watt lamp has a single-ended power source. Reflector shields at the back of the bulb socket reduces stray UV light from escaping the vent. An indicator light on the ballast box provides the real-time power status of the sanitation unit.

Operation: This UV disinfection system projects ultraviolet rays inside the vent it is mounted in. The air flowing through the unit 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 AC unit is constantly being purified as it flows through the UV rays being produced by the fixture.

Wiring: The IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C is comprised of a ballast box and one compact fluorescent UVC bulb. The bulb is connected to the ballast box by a 12` 16/3 SOOW cord to allow for flexible mounting depending on the requirements of the area.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



Flying Leads / Pigtail Wires

Plug: The ballast box on this unit is equipped with 10 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground or NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Mounting: The IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C is designed to be mounted at the corner of vents, with the UV lamps recessed inside from the vent opening by approximately 4 inches using a bracket system. The accompanying ballast box can be mounted on available surfaces around the lamp. This system is suitable for 12" x 8" and 12" x 10" vents.

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 disinfection system can be used to continuously disinfect air of mold, allergens, airborne bacteria, viruses, and germs. The IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C 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.

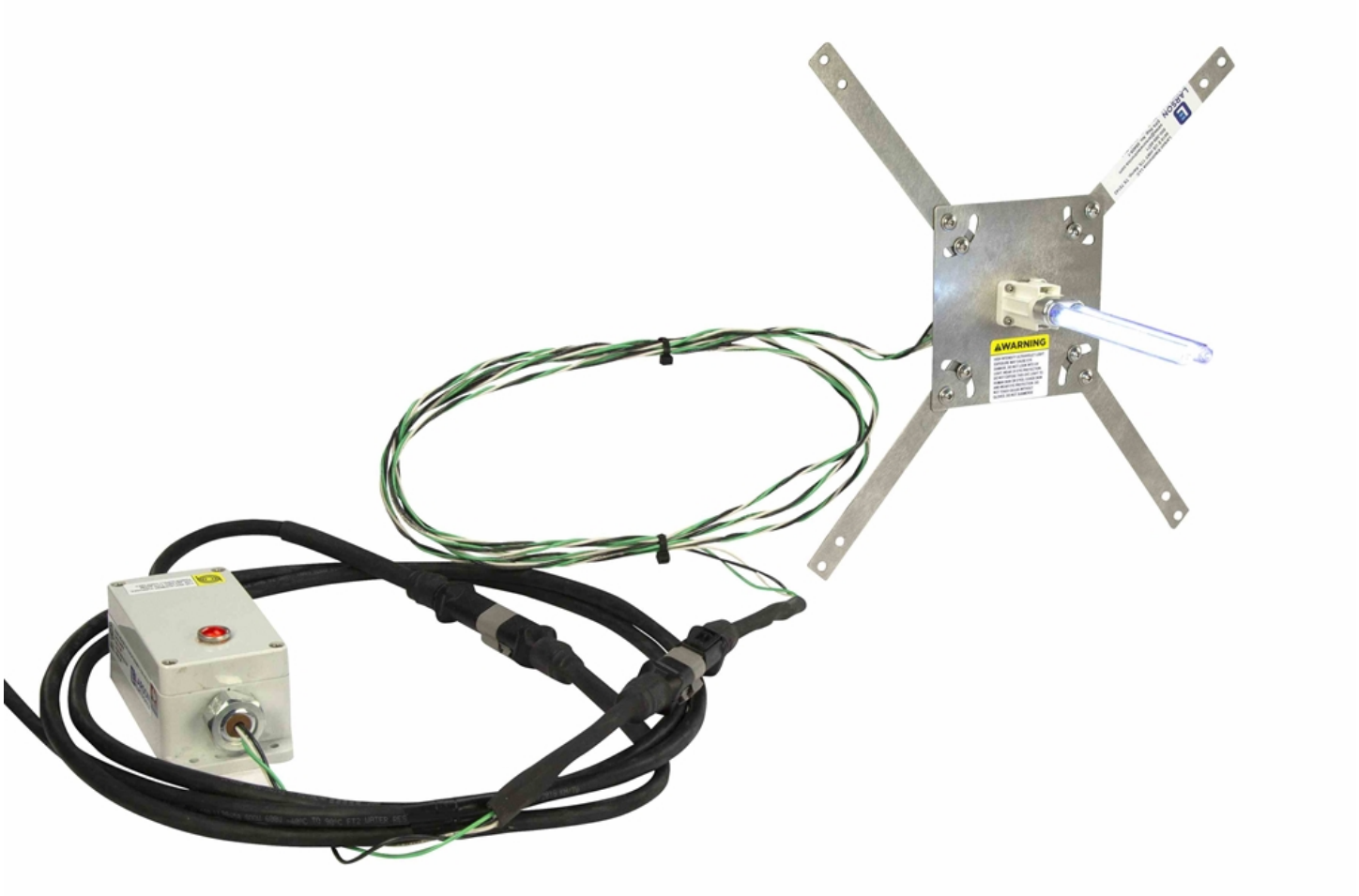
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Frequently Asked Questions (FAQ)

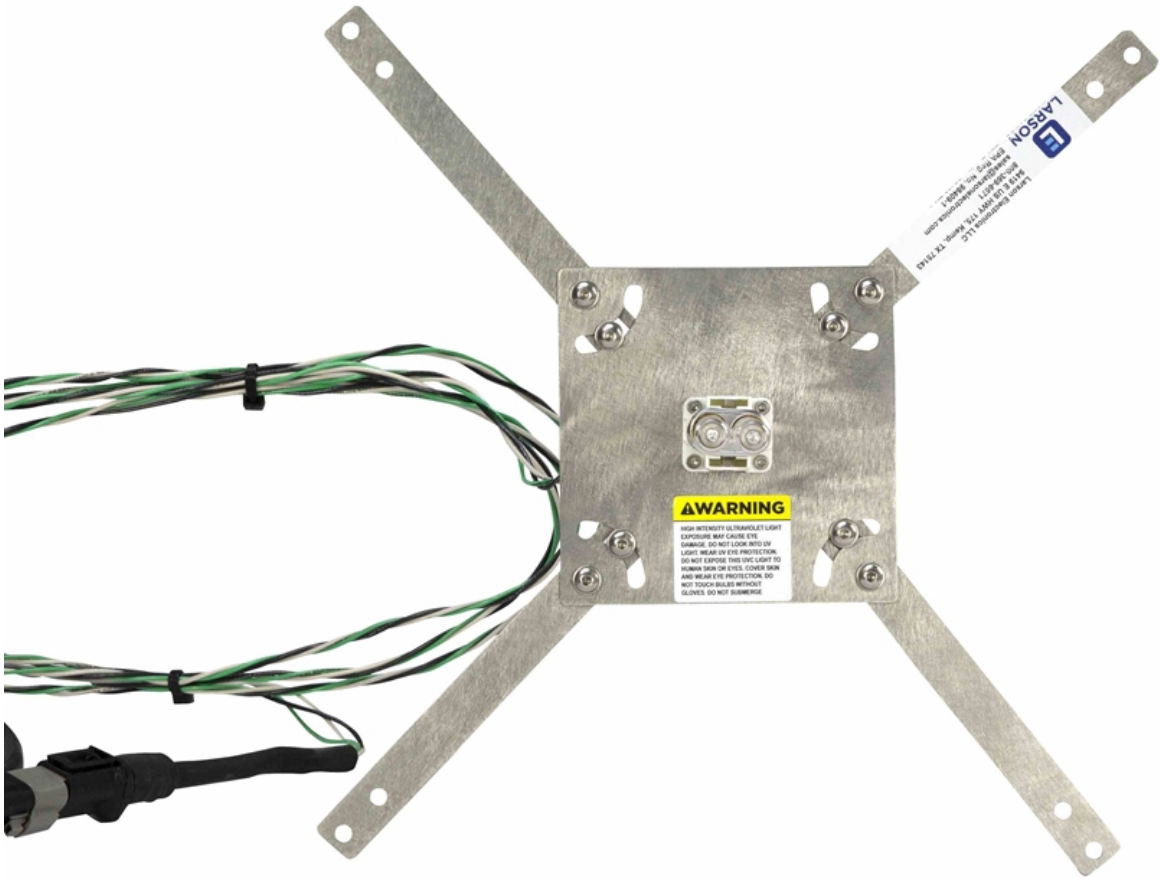
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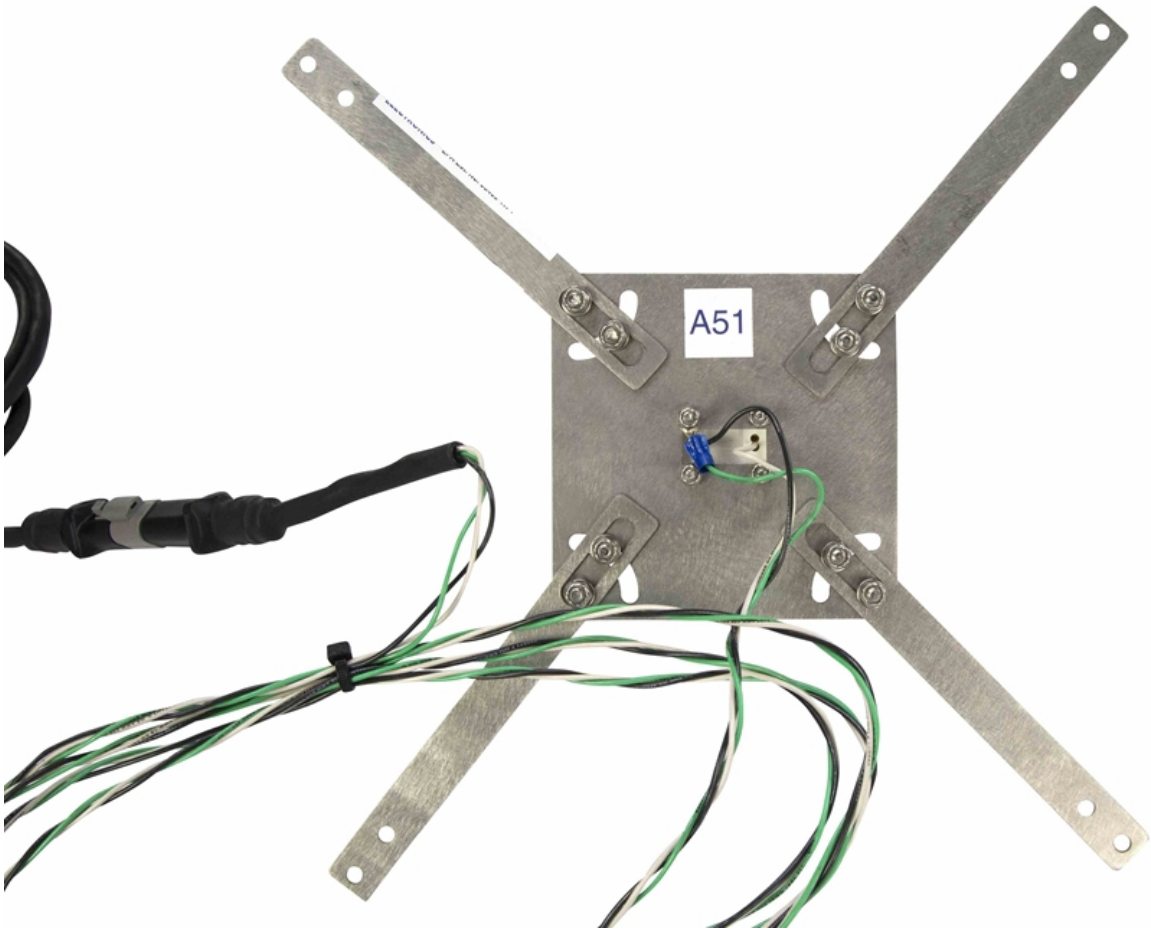
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A51


FOR REPLACEMENT PURPOSES:
USE 16/3 AWG TYPE SJOOW
POWER SUPPLY CORD ONLY
Model: IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C-5.15
Serial: 3040081
Volts: 120V
Amps: 0.08A @ 120V
Watts: 9W
LARSON ELECTRONICS
MISTER
Intertek
5000012

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IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C

Product ID: 270960

Warranty: 6 Months

Export Control Classification Number (ECCN): EAR99

Options:

IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C-Cord Cap

Example: IND-HVAC-DTV-UVC-R1-SS-9W-1L-120V-10C-5.15

Cord Cap	
5-15 STRAIGHT	-5.15
L5-15 TWIST	-L5.15
PIGTAIL	-Pigtail

Links (Click on the below items to view):

- **Certificate 4, Misc**
- **Eye Safety Information/Certificate**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **Video2**
- **Video3**
- **Video4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**