

## 432W Industrial UVC Fluorescent Fixture - (12) 4' UV T8 Lamps - High Bay UV Sanitation IND-HB-48-12L-UVC-T8-V1



**This unit is Made In USA - Manufactured in Texas**  
**IND-HB-48-12L-UVC-T8-V1 High Bay UVC Sanitation Fixture**

**Listing: -**

**Lamp Technology:** UV Fluorescent

**Dimensions:** 48.06"L x 20.38"W x 3.62"H

**Space Between Lamps: -**

**Weight: -**

**Lamp Quantity:** 12

**Voltage:** 120-277V AC

**Frequency:** 50/60 Hz

**Total Watts:** 432W

**Single-lamp Watts:** 36W

**Total UV Output (Watts):** 177.6W

**Single-lamp UV Output (Watts):** 14.8W

**Total Radiant Intensity:** 1740 uW/cm<sup>2</sup>

**Single-lamp Irradiance:** 145 uW/cm<sup>2</sup>

**Luminous Efficacy: -**

**Lamp Life:** 8,000 Hours

**Depreciation at Useful Lifetime:** 10%

**UV Band:** UVC 254nm (200nm - 280nm)

**Peak Wavelength:** 280nm

**Color Temperature: -**

**Color Rendering Index: -**

**Lamp Type:** UV T8 Fluorescent

**Lamp Base:** G13 (Medium Bi-Pin Fluorescent)

**Replacement Lamp: -**

**Beam Angle: -**

**Lighting Configuration:** Flood Pattern

**Power Efficiency: -**

**Power Factor: -**

**Ballast Quantity:** 2

**Ballast Voltage:** 120-277 V AC, 50/60 Hz

**Amps: -**

**Operating Temp Range:** -30°C to 85°C

**Housing Material:** 22 Gauge Painted Steel

**Hardware/Hub Material: -**

**Ratings/Approvals**

(12) 4' T8 UV Fluorescent Lamps

Germicide Applications

Risk Group 3 UV Product

**Special Orders - Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Mounting:** (2) Mounting Holes (Mounting Kits Sold Separately)

**Hub Quantity:** -

**Wiring Hub Size:** -

**Intl:** 1-214-616-6180

**Fax:** 1-903-498-3364

**E-mail:** [sales@larsonelectronics.com](mailto: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-HB-48-12L-UVC-T8-V1 from Larson Electronics is a High Bay UV Sanitation Light that provides UVC illumination in industrial facilities in order to sanitize large areas. This 432-watt unit features twelve, 4-foot T8 UV fluorescent lamps, housed in a 22 gauge painted steel housing. The luminary caters to flat surface mounting mounting and operates on 120-277V AC, 50/60 Hz.

\*\*\*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-HB-48-12L-UVC-T8-V1 is a fluorescent-based UV lighting system for industrial facilities requiring effective sanitation or disinfection. Consisting of twelve, 4-foot T8 fluorescent UV lamps, the 432-watt unit offers 254nm UVC output with a wavelength range of 200nm to 280nm. Each lamp produces 14.8W of UVC output and has a radiant intensity of 145 uW/cm<sup>2</sup>. This UV fixture operates on 120-277 V AC, 50/60 Hz (ballast voltage) and features a G13 medium bi-pin cap base. The lamp has an 8,000-hour useful lifespan.

**Operation:** The IND-HB-48-12L-UVC-T8-V1 should only be used in non-occupied areas. 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.

The UV light's housing is constructed of 22 gauge painted steel.

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.

**Mounting/Wiring:** The back of the IND-HB-48-12L-UVC-T8-V1 features a pair of mounting holes that can accommodate several different types of mounts. Mounting kits are sold separately.

**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

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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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

## Frequently Asked Questions (FAQ)

**Q. How long does the fixture need to operate to kill viruses?**

A. 30 minute exposure time is required for killing viruses

**Q. What if I want to disinfect a larger area than the square footage that is listed in the specifications of this product?**

A. You can move the product and cover other areas. Each time the unit is moved, the exposure time starts again.

**Q. What if obstacles are in the way of the UV light while it is disinfecting?**

A. You will need to move objects around and disinfect again for another 30 minutes. If the cart does not have direct line of sight, it will not disinfect. This is a non-ozone UV generating product so it does not penetrate through solid surfaces and will not reflect and clean the underside of objects or behind objects. If you do not have direct line of sight from the light, you will need to move it around or move the obstacles to create proper exposure.

**Q. Does this product come with UV lamps**

A. Yes. This product will ship with UV lamps. The required UV lamps are included with your purchase.

**Q. Is this unit safe to use in occupied areas?**

A. No. This unit produces UV radiation. UV radiation is NOT safe for your skin or eyes. Please read manual for UV safety requirements.

**Q. Do I need to wear protective gear?**

A. Yes. UV radiation is NOT safe for your skin or eyes. Please read manual for UV safety requirements.

**Q. Is this product skin safe or eye safe?**

A. No. UV radiation is not safe for the eyes or skin. Please read manual for UV safety requirements.

**Q. Does this product generate ozone?**

A. No. UV lights can be made as ozone-producing or non-ozone producing. Ozone producing lamps leaves radiation in the atmosphere and require a 20-30 minute time after lamps are turned off before the radiation levels dissipate to a safe level before you can re-enter the room/area. The products that Larson Electronics manufactures DO NOT use ozone-producing lamps. This means that the radiation stops the second the light turns off. Once the light is turned off, it is safe to return to the area being disinfected by the light. Please read manual for UV safety requirements.

**Q. Does this product kill the SARS-CoV-2 coronavirus?**

A. Please see below link for effectiveness against viruses, including the 2019 SARS-CoV-2 coronavirus:

<https://www.larsonelectronics.com/images/product/LightingFacts/266985.PDF>

**Q. Does this product kill COVID-19?**

A. COVID-19 is the disease created from the SARS-CoV-2 coronavirus. Please see below link for effectiveness against viruses, including the 2019 SARS-CoV-2 coronavirus:

<https://www.larsonelectronics.com/images/product/LightingFacts/266985.PDF>

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



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