

432W Industrial UVC Fluorescent Fixture - (12) 4' UV T8 Lamps - High Bay UV Sanitation - Motion Sensor

IND-HB-48-12L-UVC-T8-V1-MS



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/cm²

Single-lamp Irradiance: 145 uW/cm²

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

Motion Sensor: 360° Auto Shut-Off Motion Sensor

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

Ratings/Approvals

(12) 4' T8 UV Fluorescent Lamps

Germicide Applications

Risk Group 3 UV Product

360° Motion Sensor

Special Orders - Requirements

Housing Material: 22 Gauge Painted Steel

Hardware/Hub Material: -

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

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.

Contact us for special requirements

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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. This unit is equipped with a motion sensor that automatically shuts the unit down when motion is detected.

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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/cm². 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.

Motion Sensor: This fixture is equipped with a motion sensor for an additional layer of safety while the unit is in use. Due to the potential harm UVC light can cause to a person's skin and vision, it is unsafe to be near the light while it is powered on. To avoid accidental exposure to the UV light produced by this sanitation cart, it is equipped with a 360° motion sensor. When the motion sensor detects movement, it will power off the light. When no motion has been detected

for at least 5 minutes, the unit will power back on.

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 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.

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Frequently Asked Questions (FAQ)

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