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IND-TBL-BX-R15-FUVC-EXT-24.18.60-M1-WC-25C-120V

Mobile Far-UV Disinfection Equipment Cabinet - 120V - (10) Mercury-free Excimer Lamps, Timer - Removable Racks - 25' Cord

Product ID: 270439

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-TBL-BX-R15-FUVC-EXT-24.18.60-M1-WC-25C-120V Mobile Far-UV Equipment Cabinet

Lamp Technology: Far-UV Excimer
Lamp Qty: (10)
Top Lamps: (1) 90W 18" Lamp
Left Side Lamps: (2) 145W 34" Lamps
Right Side Lamps: (2) 145W 34" Lamps
Door Lamps: (2) 145W 34" Lamps
Back Side Lamps: (2) 145W 34" Lamps
Base Lamps: (1) 90W 18" Lamps
Cabinet Dimensions: 24" Wide x 18" Deep x 68" Tall
Weight: -
Voltage: 120V AC, 60 Hz
Total Watts: 1,340W
Total UV Output: -
Effective UV Intensity: -
Expected Lifespan: 10,000+ Hours
UV Wavelength: Far-UVC 222 nm
CRI: -
Lamp Type: -

Ratings/Features

222nm Germicidal Light
Kills 99.99% of Viruses, Bacteria, and Other Germs
Mercury Free Lamp
Instant-On Lamp, No Warm Up Time
More Efficient & Effective than UVC Lamps
No Harmful UVC Emissions
No Block Off/Bandpass/Cutoff Filters) Needed
Skin Safe & Eye Safe
Ozone Free
Chemical & Toxin Free Sanitation Process
Low Heat Output
3rd Party Testing Certified Device
NRTL Listed to USA (UL) and Canada (CSA) Standards
NRTL Listed to UL 508A
NRTL Listed to CSA C22.2 No. 14
Fits Through Standard 36" Doorways
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Lamp Base: -
Replacement Lamp: -
Beam Angle: 360º
Light Configuration: Flood
Surface Reflectance: Stainless Steel Interior Finish
Power Efficiency: -
Power Factor: -
Timer: Adjustable External Timer

Activation: Push Button

Safety: Yellow Indicator Light and Safety Kill Switch on Door

Capacity: Up to 7 Laptops or Chromebooks; OR 20+ iPads or Tablets, Scanners, Video Games and Controllers; OR 50+ Smartphones, Video Games and Other Similar Size Items; 30+ Masks

UV Treatment Time: 3 Minutes

Amps: 11.16A @ 120V

Ambient Operating Temp Range: -

Materials: -

Lens Material: -

Mounting: Mobile Flat Base w/ Handle and (2) 8" Swivel-locking Casters [Front], (2) 8" Stationary Casters [Back]

Rack Components: (4) Shelves, Hooks for Masks

Wiring: 25' 16/3 SOOW Cord w/ Cord Cap

Cord Cap: 5-15, 5-20, L5-15, L5-20, or Pigtail

PLEASE NOTE: 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

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This unit is Made In USA - Manufactured in Texas

The Larson Electronics IND-TBL-BX-R15-FUVC-EXT-24.18.60-M1-WC-25C-120V is a UV Disinfection Equipment Cabinet which can disinfect 99.99% of viruses, human corona viruses (including SARS-CoV-2 that causes COVID-19), bacteria, mold and spores found on devices. Designed for schools and occupied areas, the unit is equipped with ten mercury-free far-UV 222nm excimer lamps, which are eye and skin safe for humans. This user-friendly disinfection box has the capacity to clean up to 7 laptops or chromebooks; OR 20+ iPads or tablets, scanners, video games and controllers; OR 50+ smartphones, video games and other similar size items, as well as 30+ masks via accessible top-located hooks. The chemical/toxin-free sanitation process takes 3 minutes to complete. This system features four casters for seamless mobility around campuses and facilities.

Please note: This product produces far-UVC light. Make sure to follow all safety guidelines and protocols found in the user manual. UVC light in the proper setting kills up to 99.99% of viruses, human corona viruses (including SARS-CoV-2 that causes COVID-19), bacteria, mold and spores. Click here to learn more about UVC and the corona virus*

The IND-TBL-BX-R15-FUVC-EXT-24.18.60-M1-WC-25C-120V is a powerful, eye and skin safe sanitation solution for schools, campuses and occupied areas. Equipped with ten far-UV excimer lamps, this system offers 222nm UV output during use. The mercury-free lights have an expected lifespan of 10,000+ hours and emit a flood beam pattern with 360 degrees of coverage. A stainless steel interior finish promotes UV light distribution. The lights take on the following configuration inside the UV cabinet: (1) 90-watt 18" lamp at the top, (2) 145-watt 34" lamps on the left side, (2) 145-watt 34" lamps on the right side, (2) 145-watt 34" lamps on the back side of the door, (2) 145-watt 34" lamps on the back side and (1) 90-watt 18" lamp at the base. This UV sanitation unit has the capacity to disinfect up to 7 laptops or chromebooks; OR 20+ iPads or tablets, scanners, video games and controllers; OR 50+ smartphones, video games and other similar size items, as well as 30+ masks via accessible top-located hooks.

Operation: The UV disinfection cabinet is easy to use and user friendly for all staff. Instructions for operation are available on a printed label located on the side of the unit. This UV cabinet turns off automatically when the door is open. A yellow indicator light turns on when the unit is in use to safely notify the operator about ongoing sanitation. Adhering to the 3-minute exposure time at full capacity, multiple UV cabinets can be purchased to clean several devices and masks at the same time. Operators may access an external timer on the cabinet to ensure the recommended duration of exposure is met every session. The UV lights can disinfect over 99.99% of viruses, human corona viruses (including SARS-CoV-2 that causes COVID-19), bacteria, mold and spores.
Far-UV 222 nm light is considered to be eye and skin safe for humans, allowing the lamps to be used in occupied areas safely with minimum risk. The 222 nm wavelength does not penetrate the cornea of the eye and cannot impose corneal impairment. Additionally, this UV band is blocked by the top layer of skin (stratum corneum) which protects underlying cells from damage. Exposure to far-UV 222 nm lamp does not cause skin inflammation or swelling. Due to these safety benefits, extensive protective clothing is not required when using this type of sanitation light in occupied areas.
Benefits of Excimer Far UV Lamps: When it comes to Far-UV lamps, there are few options in the skin-safe and eye-safe wavelengths. Similar to LED lamps, excimer lamps provide "instant-on" startup, and do not require a warm-up period; excimer lamps are at 100% peak output when switched on. Most lamp technologies that do product UVC use mercury in the manufacturing process. Excimer lamps have ZERO mercury, making them more environmentally friendly. Excimer lamps can be tuned to specific wavelengths (222nm wavelength for this product) and produce no harmful UVC radiation or wasteful visible light and infrared light. Excimer lamps are more efficient at converting electricity (input power) into UV irradiance, which reduces the heat output from excimer lamps over other technologies. Fluorescent, amalgam, low-pressure mercury, and high-pressure mercury lamps do not product as tight of a wavelength and generate more heat, both of which wastes energy for the UV sanitation application. Excimer lamps have a higher average UV irradiance per square inch and have a higher photon emission over other lamp technologies. Being safe for use in occupied areas, instant-on power, mercury free, higher UV output, and low heat output make Far-UV excimer lamps the preferred choice for UV sanitation and disinfecting applications.
Germicidal excimer lamps emit far-UV 222 nm light that is generated by specific excimer molecules. The far-UV lights come with an expected lifespan of 10,000+ hours. This gas-filled emitter is energy efficient and offers cool operation. A power supply is typically utilized with the non-toxic lamp to ensure consistent UV output. The sanitation light, which is suitable for use in occupied areas, features instant start capabilities.
Voltage: The IND-TBL-BX-R15-FUVC-EXT-24.18.60-M1-WC-25C-120V operates on 120V AC, 60Hz.

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

Wiring/Plug: This UV decontamination cabinet is equipped with 25 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, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, standard 5-20 20 amp straight blade plug for 110V wall outlets with ground or or NEMA L5-20 20 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.

Mount: The UV sanitation device has a flat base with four, 8" casters (two swivel-locking casters at the front and two stationary casters at the back) for seamless transportation over finished surfaces and rough surfaces. An accessible handle at the back of the cabinet allows operators to move the unit around the site. Regardless of the weight, the heavy-duty casters and handle allow the UV cabinet to be easily moved by one person. This sanitation system fits through standard 36" doorways. We sell mounting lugs for permanent installations if needed. Inside the UV cabinet, four racks are available for keeping various items segregated or upright during sanitation. Individuals may also access top-located hooks for cleaning 30+ masks.

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. Please see user manual for additional safety information.

Suggested Applications: Sanitation, disinfection, schools, education centers, libraries, classrooms, offices, lobbies, occupied areas, industrial parks, medical centers and more. Eliminates 99.99% of viruses, human corona viruses (including SARS-CoV-2 that causes COVID-19), bacteria, mold and spores.

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)

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

A. 3 minutes.

Q. Does this product require multiple 3-minute cycles to sanitize devices?

A. No. One 3-minute cycle is all that is needed. One-time single cycle completely sanitizes equipment.

Q. Does this product come with Far UV lamps?

A. Yes.

Q. What type of lamps are used? Fluorescent, LED?

A. This product uses excimer lamps. They are instant-on, mercury free, high efficiency lamps. They produce a narrow Far-UV lamps with a peak wavelength of 222nm.

Q. Does this product contain mercury?

A. No. The Far UV lamps contain ZERO mercury. Please see MSDS file for more information.

Q. Does this product generate ozone?

A. No.

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

A. Yes. It is a sealed system that contains the light inside the unit and utilizes skin safe Far-UV lamps.

Q. Do I need to wear protective gear?

A. No.

Q. Is this product skin safe or eye safe?

A. Yes.

Q. Is special training required for operation of this device?

A. No. Operation is simple. Insert devices, close door, push "start" button, wait 3 minutes, remove devices. Operation instructions are provided on the exterior of the device. Appropriate for all staff to operate.

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

A. Yes. 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

Q. **Can this product be moved from room to room to sanitize equipment? Is this product mobile?**

A. Yes.

Q. **Does this machine need to be UL listed or have any other certifications?**

A. Yes. Please see certificate attachments NECCert, CECCert, Cert1, and ANSICert1 links on the last page of this spec sheet.

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Product ID: 270439

Export Control Classification Number (ECCN): EAR99

Options:

IND-TBL-BX-R15-FUVC-EXT-24.18.60-M1-WC-25C-120V-Cord Cap

Example: IND-TBL-BX-R15-FUVC-EXT-24.18.60-M1-WC-25C-120V-5.15

Cord Cap	
5-15 STRAIGHT	-5.15
5-20 STRAIGHT	-5.20
L5-15 TWIST	-L5.15
L5-20 TWIST	-L5.20
PIGTAIL	-Pigtail

Links (Click on the below items to view):

- ANSI Certificate 1
- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Catalog Page - Product Series
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 4, Misc
- Eye Safety Information/Certificate
- Lighting Facts & Information
- MSDS (Material Safety Data Sheet
- RoHS Certificate (Restriction of Hazardous Substances)
- Spectrum Curve (Wavelength Graph)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map