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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP

Hazardous Location UV Box - Kills 99% of Viruses - 120V - (15) UVC Fluorescent Lamps - Holds 24"L x 24"W x 16"H Packages - Type Z Purge System for C1D2 Use

Product ID: 271981

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

HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP Hazardous Location UV Box

Lamp Technology: UV-C Fluorescent

Lamp Qty: (15) 24" UV Lamps

Maximum Package Dimensions: Holds Packages or Boxes up to 24"-L x 24"-W x 16"-H

Weight: -
Voltage: 120 V, 60 Hz
Total Watts: 300W
Single-lamp Watts: 20W
Total UV Output: 136.5W
Single-lamp UV Output: 9.1W
Expected Lifespan: 8,000+ Hours
UV Wavelength: UV-C, 200nm - 280nm (253.7 nm)
Lamp Type: T10
Lamp Base: G13 (2-pin)
Replacement Lamp: FRL-24-1X-T8-20W-UV-C
Beam Angle: 360º
Light Configuration: Flood
Surface Reflectance: 43%
Timer: Included

Indicator Lights: Green = Safe to Open, Amber = In Operation

Package Protection: Non-removable Wire Drop Basket - Holds Multiple Packages

Ratings/Features

Listed for Use in United States & Canada
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Groups IIA, IIB and IIC
NRTL Listed to NFPA 496
NRTL Listed to UL 508A
NRTL Listed to CSA C22.2 No. 14
Short-wave Germicidal Light
Kills 99% of Viruses and Other Germs
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Amps: -

Minimum Airflow Requirement: 80 PSI

Maximum Airflow Requirement: 120 PSI

Ambient Operating Temp Range: -

Materials: -

Lens Material: -

Mounting: Stand Alone Device

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

Cord Cap: 5-15 Straight Blade or 5-20 Straight Blade

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.

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP Larson Electronics from is a Hazardous Location UV Oven that uses a Type Z continuous flow purge system and that is used for cleaning packages, including from Amazon, UPS, FedEx and DHL. This UV oven can disinfect 99% of viruses, bacteria, mold, and spores found on boxes, envelopes, and other types of packages. Order products online safely and quickly sanitize packages with this hazardous location UV box without waiting days or weeks for harmful microbes to die off. This UV oven can disinfect packages measuring up to 24"-L x 24"-W x 16"-H within minutes. With access to fifteen UV lamps, the unit offers UV-C output at a range of 200nm - 280nm (253.7nm). The UV oven has highly visible indicator lights for safe operation and comes with a timer. A non-removable wire drop basket inside the UV box protects items being sanitized from slipping and getting caught in the corners.

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 coronavirus*

The HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP is a powerful sanitation solution for cleaning packages from DHL, FedEx, UPS, Amazon and more. This UV oven is safe to use in Class I Division 2 hazardous location. It is made to be used in hazardous locations by the utilization of a type Z continuous flow purge system. Equipped with fifteen UVC fluorescent lamps, this system offers 136.5 watts of UV output, within the 200nm - 280nm UV-C range (253.7 nm). The lights have an expected lifespan of 8,000+ hours and emit a flood beam pattern. A surface with 43% reflectance promotes UV light distribution and ensures maximum exposure. Inside the box, the UV system offers three 24" lamps on each side (left side, right side, front, and back) and three 24" lamps on the bottom of the unit for a total of 15 lamps. There are NO lamps found on the upwards opening top lid.

The inside of the UV oven is equipped with a non-removable wire drop basket that can hold packages measuring up to 24"-L x 24"-W x 16"-H. The wire basket protects packages, boxes or envelopes, preventing the items from slipping outside of the basket and getting stuck in the corners of the box. This device turns off automatically when the lid is open. Indicator lights include: green (safe to open) and amber (in operation). With a recommended 25-minute exposure time at full capacity, multiple devices can be purchased to clean several packages at the same time. Operators may access a timer in the box to ensure the recommended duration of exposure (1-30 mins) is met every session. The UV light can disinfect over 99% of bacteria, viruses, mold, and spores.

Voltage: The HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP operates on 120 V AC, 60 Hz.

Purge and Pressurization System: The HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP uses a Type Z continuous flow purge and pressurization system that makes it safe to use within Class I Division 2 hazardous locations. In a purge and pressurization system, any hazardous gas is purged from the enclosure through a series of complete air exchanges. The enclosure is then pressurized to prevent the entry of any hazardous gas or dust from entering the enclosure. In a continuous flow purge system, like the one used in this UV oven, a constant flow of air following the purge is used to maintain internal pressure.
The HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP features a Type Z continuous flow purge system. A Type Z system requires a minimum of 25 Pa for internal pressure. The other main feature of a Type Z system is that power to the unit is automatically disconnected if a drop in pressure below the minimum occurs or any other loss of pressure occurs. This means that it then must go through the purge and pressurization process successfully again before operation can resume within the hazardous area.
Operation: The HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP is equipped with a C1D1 rated push button for power and a C1D1 rated power indicator light on the outside of the unit. A timer is installed on the inside of the enclosure. The timer keeps the UV lamps running for the recommended amount of time to disinfect the package.
To use the UV oven, the operator places the package in the wire basket on the inside of the oven, closes the gasketed lid, secures the stainless steel draw latches, and pushes the power button. The unit then purges the enclosure and pressurizes it. Once pressurization is complete, power is provided to the timer. The UV lamps then power up and stay on throughout disinfection. This entire process must be repeated every time the lid is opened or pressure is otherwise lost.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug

Wiring & Plug: This hazardous location UV oven is equipped with 25 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120 V explosion proof outlets or a 5-20 20 amp straight blade plug for use with 120 V explosion proof outlets. ***PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.*
Mount: This UV sanitation device has a flat base for stand alone operation on flat surfaces. We sell mounting lugs for permanent installations if needed.
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.
Suggested Applications: Sanitation and disinfection of packages; kills 99% of viruses, bacteria, mold, and spores. This UV oven can be placed on porches or

outside of homes to allow personnel to put packages inside the UV oven upon delivery (just leave instructions near the area). This solution ensures you never have to come in contact with a potentially contaminated package before it is sanitized by the UV oven.

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.

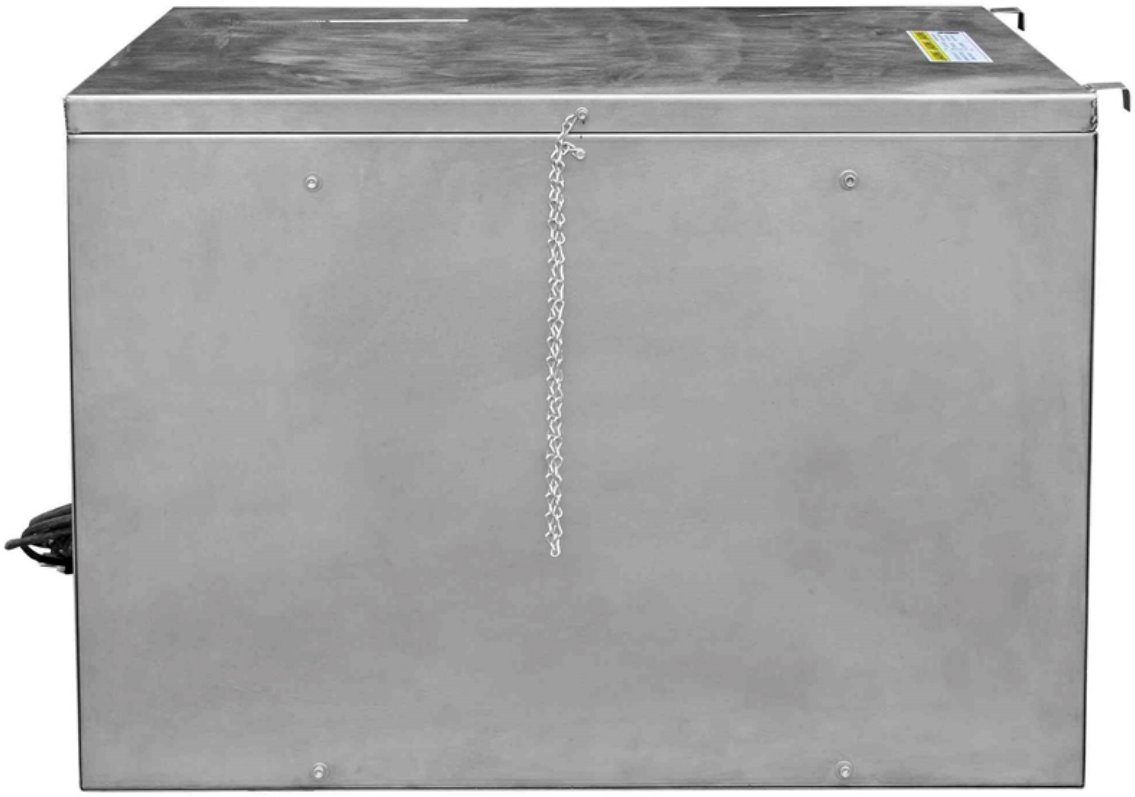
Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

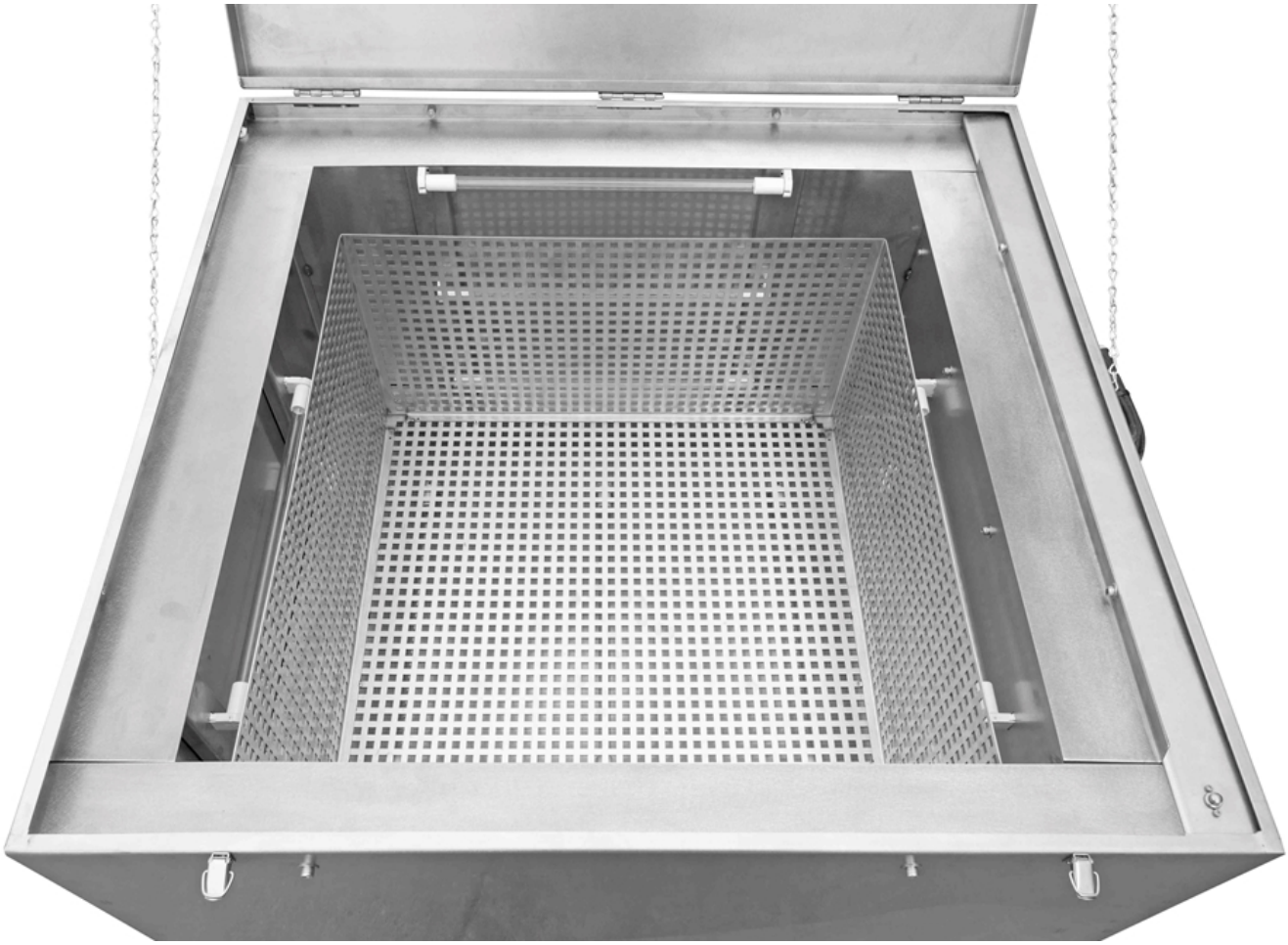






Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP

Product ID: 271981

Export Control Classification Number (ECCN): EAR99

Options:

HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP-Cord Cap

Example: HAL-TBL-BX-AEP.Z-24.24.16-UVC-15X-R1-120V-EPP-1523

Cord Cap	
5-15 STRAIGHT	-1523
5-20 STRAIGHT	-2023-125V

Links (Click on the below items to view):

- **Eye Safety Information/Certificate**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**