OPERATIONAL & MAINTENANCE GUIDE

UV-C MOBILE HIGH POWER ULTRAVIOLET DISINFECTION SYSTEM

All guidelines must be reviewed prior to use of equipment.

GENERAL INFORMATION

This product emits 254 nm wavelength of UVC energy. The mobile system is a germicidal ultraviolet system that is intended to disinfect high touch surfaces and areas.

CAUTION: Observe basic safety precautions including the use of personal protective equipment (PPE) while operating and handling the system. Please read and follow all instructions, warnings, and safety notices. Do not expose skin or eyes to direct or indirect UVC rays as UVC energy can be harmful to these areas.

XtraLight Manufacturing, LTD. 8812 Frey Rd. Houston, TX 77034 (800) 678-6960 F (713) 943-2818 www.XLM.com

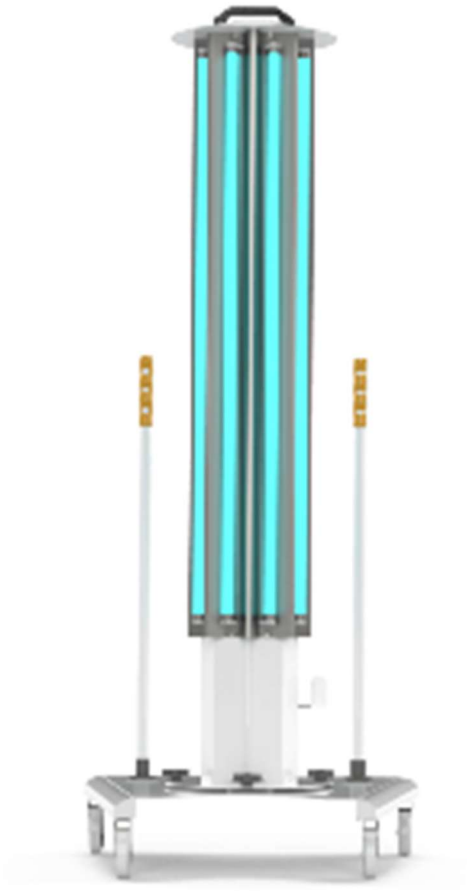


Figure 1

IMPORTANT SAFETY WARNINGS

Please read and review all safety warnings prior to use of equipment.

- **WARNING – UVC Light Hazard:** Direct and indirect exposure to UVC rays can cause temporary loss of vision and sunburn. Take proper safety precautions to protect the eyes and skin from any exposure.
- **WARNING – UVC Light Hazard:** The operator must cover any exposed skin and eyes while equipment is in use. The operator should never direct the UVC rays towards themselves or any other person.

  - UVC Rated safety glasses are provided with each mobile system along with gloves, face shield and warning sign. PPE should be used while system is in operation. It is important to protect yourself and others from any exposure.
  - People and animals without the proper PPE are forbidden to occupy any room with this device while it is in operation.
- **WARNING – Burn Hazard:** Unplug the power source before replacing lamps.
- Allow lamps to cool down at least 10 minutes before removing them. Personal injury may result otherwise.
- **WARNING – Mercury Hazard:** Do not break UVC lamps. Each UVC lamp contains small amounts of mercury that can have harmful effects if exposed or ingested.
  - Exposure to mercury may cause redness or irritation.
  - In the case of a broken UVC lamp, sweep up the broken glass and debris into a plastic bag and secure it with a seal.
  - Dispose of used or broken UVC lamp debris at a local recycling center.
  - Do not use a vacuum cleaner or incinerator to collect or dispose of any lamp debris.
- Unplug the power source during maintenance or when system is not in use.
- Store device in a dry area.

INCLUDED IN THE BOX

- 1 **UV-C Mobile High Power Ultraviolet Disinfection System** with power cord
- 1 Pair UVC gasses with protective case
- 1 Pair UVC gloves
- 1 UVC face shield
- 1 UVC warning sign
- 20 Dosimeter Cards
- 1 protective cover
- 8 UVC quartz lamps
- 1 additional replacement UVC quartz lamp
- UVC services window cling (to display services rendered in business front)

For visual aids, please visit our YouTube Channel

UVC LAMP INSTALLATION

1. Make sure the disinfection system is disconnected from any power source before installing the UVC lamps.

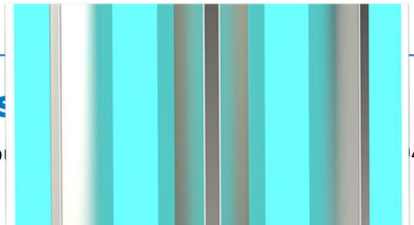


Figure 2

2. When handling UVC lamps, wearing lint free gloves is strongly advised. Oils from skin contact can reduce lamp life and output if not removed prior to installation.
3. Remove the lamps from their protective sleeves.
4. Clean each lamp prior to installation to maximize the efficiency of use and lamp life. Use isopropyl alcohol and a soft cotton cloth to wipe dust and fingerprints from the lamp.
5. Gently insert the lamp into the lamp holder / tombstone and secure the lamps into position on the lamp sockets by rotating the lamp until the lamp holder / tombstone locks.
6. To complete installation, replace the wire guard and secure the securing clips to the housing.
7. A soft, lint free cloth can be used to wipe off the reflector and lamp area to remove any dirt, dust or fingerprints after installation.

For more infomation on UV-C Systems

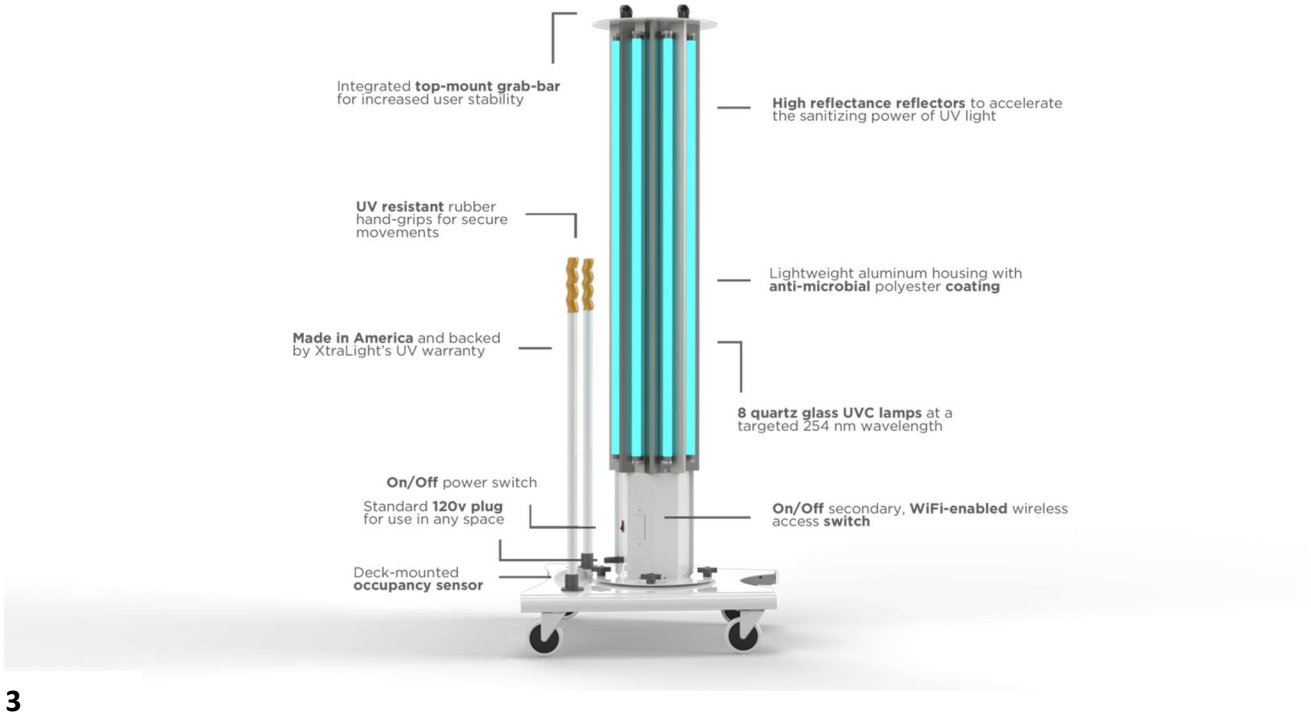


Figure 3

UV-C DISINFECTION SYSTEM USE

1. The Mobile UV-C System should always be stored in its protective cover. Before use, inspect the system for any damage. Do not use the system if lamps or cord is broken or appear to be damaged.

2. Put on all provided PPE and roll the system into the desired location and lock the rear wheels to keep the mobile system from movement.

3. Plug the system into a compatible power source and turn on primary system power. A visual indicator will notify that a power source has been connected.

4. The secondary power switch Is connected to an occupancy sensor. The WiFi enabled smart switch allows for remote system control through app connectivity. The app is compatible with both Android and IOS and can be downloaded at my.leviton.com, Google Play, or the Apple Store. See **Figure 4** for app setup instructions. Download the full instruction manual located on our website.

GET IT ON Google Play Download on the App Store

5. If you choose **not** to enable the WiFi switch, simply turn the power switch on and walk away. After 30 seconds if no motion is detected, the fixture will turn on and remain on unless motion is detected.

6. The

GETTING STARTED

Leviton Wi-Fi® devices use the my.Leviton.com cloud service to provide connectivity from your mobile device when you are home or away. If this is your first Leviton Wi-Fi® device, use the My Leviton app or browse to my.Leviton.com and setup a free account.

DECORA SMART™ Wi-Fi® SETUP

Leviton Wi-Fi® devices are compatible with the My Leviton App and my.Leviton.com cloud service. The app is used to pair your device with your Wi-Fi® network, customize your device configuration and provide communication via my.Leviton.com. To control the Leviton Wi-Fi® device it will need to be added to a Wi-Fi® network with Internet access:

- Download the My Leviton App.
- Ensure the Leviton accessory is properly wired and power is applied.
- Upon initial power-up the Locator LED will flash green to show the accessory is ready to be configured.
- If the Locator LED is no longer flashing green when you are ready to add the accessory, press and hold the paddle for 7 seconds until the Locator LED turns amber and release.
- Within the app follow the on screen instructions or press + to add the device to the Wi-Fi® network and my.Leviton.com account.
- Leviton Wi-Fi® devices support Wi-Fi® 802.11 a/b/g/n networks @ 2.4GHz and 5GHz with WPA or WPA2 security.

CHANGING NETWORK CONFIGURATION

In situations where a wireless access point or password is changed but the configuration of the switch needs to remain, use the following changing network procedure:

- Press and hold the paddle for 7 seconds until the Locator LED turns amber and release.
- The locator LED will flash green.
- Open the My Leviton App.
- Navigate to the device.
- On the device page select Details.
- Within the Details section choose Reconfigure Wireless and follow the app instructions.

FACTORY DEFAULT

In situations where a switch needs to be returned to factory default follow these steps:

- Hold the top of the paddle for a total of 14 seconds.
  - After the first 7 seconds the LED turns amber.
  - Continue to hold the top of the paddle until the Locator LED quickly flashes red/amber.
- Release the top of the paddle and the switch will reset.

Figure 4 ion sensor is pre-programmed for a 30-second delayed start and full motion sensor range.

Knob setting can be customized following the adjustment settings recommendations. See **Figure 5** for custom settings instructions.

SETTINGS

Default Settings:

Adjustment knob settings as per "recommended manual settings," **(refer to Table 3 and Figure 1).**
All switches in the OFF position, except A4 is set to ON **(refer to Table 4).**

TABLE 3 : ADJUSTMENT KNOB SETTINGS

Knob Color	Symbol	Function	Knob Setting	Factory Default Setting
Green		Sets the ultrasonic range	Range Setting Full CCW = min. (OFF) Full CW = max.	50 %
Red		Sets the infrared range	Range Setting Full CCW = min. (OFF) Full CW = max.	75 %
Black		Delayed - Off Time	Full CCW = min. (30 sec) Full CW = max. (30 min.)	50 % (10 min)

TABLE 4: SWITCH SETTINGS

SWITCH	SWITCH FUNCTIONS	SWITCH SETTINGS	
	Bank A	**OFF**	**ON**
A1	Single/Multi-Tech Mode	Multi-Tech	Single Tech
A2*	PIR/Ultrasonic Mode	PIR	Ultrasonic
A3	Manual Mode	Auto Adapting Enabled	Auto Adapting Disabled
A4	Walk-Through Disable	Walk-Through Enabled	Walk-Through Disabled
	Bank B	**OFF**	**ON**
B1	Override to ON	Auto Mode	Lights Forced ON
B2	Override to OFF	Auto Mode	Lights Forced OFF
B3	Test Mode	OFF→ ON→ OFF = Enter/Exit Test Mode	
B4	LEDs Disable	LEDs Enabled	LEDs Diasabled

***NOTE:** This setting is only used if the Single Technology Option (Switch A1) is selected.

Figure 5

7. Direct the UVC energy towards specified areas and apply the recommended dosage information required.

8. Use the Dosimeter cards to validate dosage and a visual indicator of UVC delivered onto the target area.

The sensor instructions and My Leviton App Guide can be downloaded from our website:
https://www.xtralight.com/products/uvc-high-power-ultraviolet-disinfection-system-mobile/

GENERAL MAINTENANCE & LAMP REPLACEMENT

- A convenient power switch is located on the device and should be turned off before any maintenance.
- To clean, UVC lamps and reflector surfaces can be wiped down with a soft, lint free cloth and isopropyl alcohol.
- UVC lamps should be replaced and changed annually or every 9,000 hours of operation to maintain maximum output and effectiveness.
- To replace lamps:

    1. Obtain the correct replacement lamp for your model.
    2. Disconnect equipment from power source.
    3. Allow lamp to cool down at least 10 minutes before removing. Personal injury may result otherwise.
    4. Carefully remove the used UVC lamp and replace with the new lamp. Refer to the Lamp Installation Instructions above listed 1 through 8. See **Figure 2**.

- For broken lamps and proper disposal, follow your local safety information regarding hazardous waste and material related to broken lamps. https://www.epa.gov/cfl/cleaning-broken-cfl



Figure 6

UV DOSE

1. Reference XtraLight's UV Dose and Log Reduction Guide for help with determining degree of inactivation and exposure time required to deactivate targeted microorganisms. https://info.xtralight.com/ultraviolet-disinfection

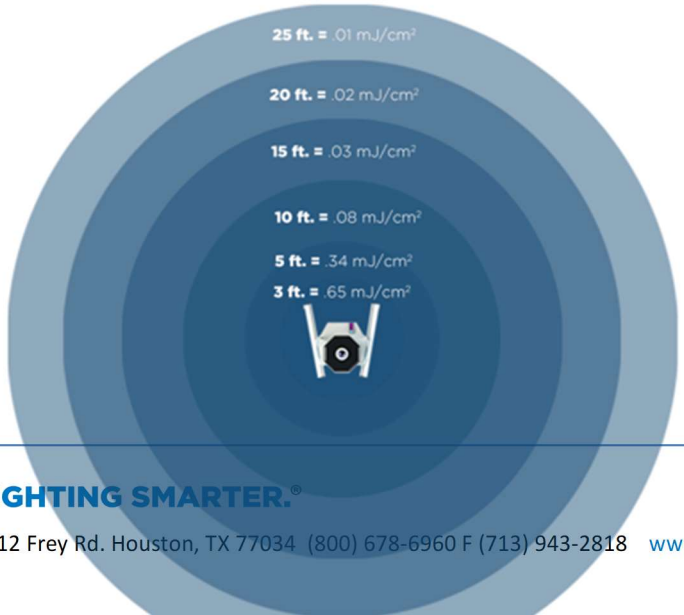


Figure 7

2. For further information regarding XtraLight's recommended steps for disinfection, please visit https://blog.xtralight.com/uv-dosage-for-disinfection

UV-C QUESTIONS & ADDITIONAL INFORMATION

- Contact our Customer Service department at 800-678-6960 or email customerservice@xlm.com
- Visit https://info.xtralight.com/en-us/uvc-ultraviolet-disinfection-system
- FAQ https://info.xtralight.com/faq-ultraviolet-disinfection-system
- Learn More about UV https://info.xtralight.com/ultraviolet-disinfection
- Effects on Coronavirus https://blog.xtralight.com/does-uv-light-kill-the-covid19-coronavirus