



## Blade

Model HH-18-120X Handheld UVC Wand

Operation & Maintenance Manual  
Effective March 2020

## Intended Function

The Blade is a handheld germicidal ultraviolet fixture that emits 254nm wavelength UVC energy. It is intended for use in disinfecting surfaces in hard to reach areas as well as high touch surfaces requiring frequent disinfection.

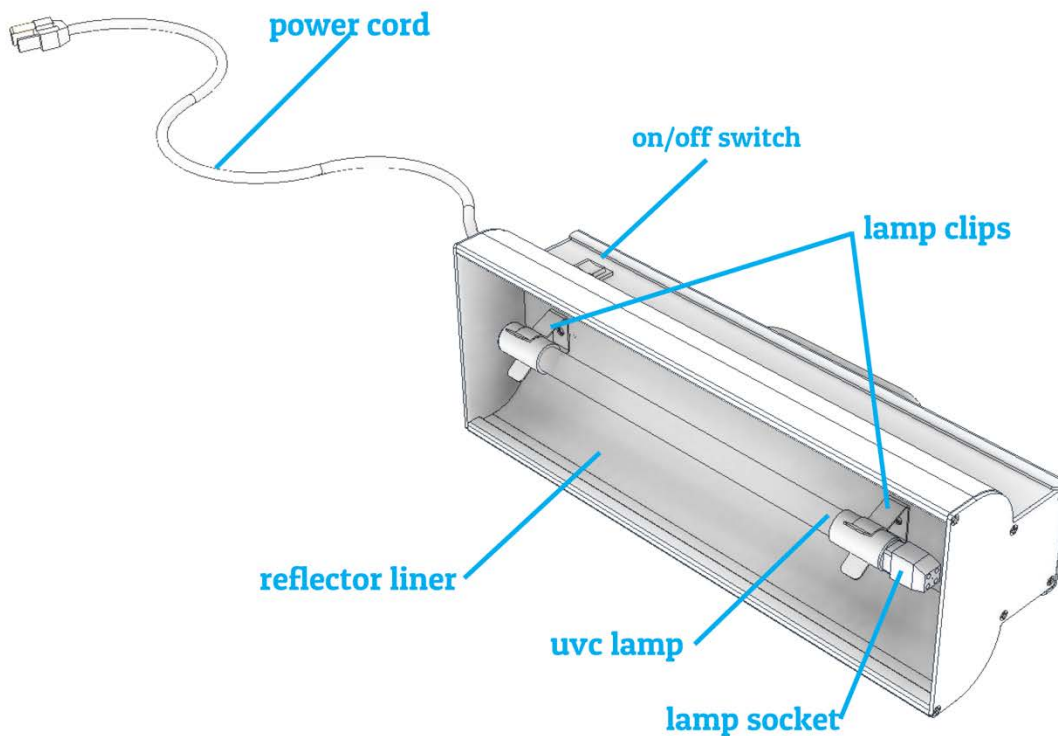
## Safety

### **CAUTION! UVC energy is harmful to eyes and skin!**

- Safety glasses are provided with each Blade unit and should be worn whenever the unit is in use.
- Care should be taken by the operator of the unit to cover any exposed skin while using the unit.
- Never shine the Blade (or any other direct UVC source) on the eyes or skin of another person.

## Lamp Installation (see fixture diagram for additional reference to identify components)

1. Always wear lint-free gloves when handling lamp. Oils from skin will decrease lamp output if not removed prior to powering on lamp.
2. With the unit disconnected from power, insert the 4-pin base of the lamp into the lamp socket.
3. Firmly push lamp into lamp socket to properly seat all 4 pins.
4. Press ceramic ends of lamp into lamp clips, ensuring lamp is completely secure
5. The lamp (once installed) and reflector, should be wiped down with a clean, lint-free cloth and denatured alcohol to remove any soil or fingerprints.



### Operation

While wearing the provided safety glasses, switch the unit on and then get as close as possible to the surface with the bottom of the fixture. Expose surfaces as long as possible for maximum results. Always take care to avoid exposing the eyes and skin of anyone in the area.

For more precise exposure, American Ultraviolet recommends the use of our dosimeter cards for a visual indication of UVC energy delivered to the surfaces.

Upon completion of exposure, switch the unit off and store in a safe place, making sure not to damage or dirty the UVC lamp.

### Maintenance

The UVC lamp and reflector liner should be wiped down with denatured alcohol and a soft, lint-free cloth whenever any dust, soil or fingerprints appear on them.

Lamp should be changed annually to ensure maximum output and effectiveness. The part number for the lamp is etched on quartz of the lamp itself. Using this number when reordering is the best way to ensure you are ordering the proper lamp for the unit you have.

**Should you have any questions regarding the Blade unit, please call American Ultraviolet at 800-288-9288 and we will be happy to assist you in proper use and care of your equipment.**