

BRIGHTBOT GERMICIDAL TOWER SAFETY MANUAL

⚠ DANGER

OPERATIONAL SAFETY

This product produces UV radiation at 253.7nm. Anything in front of the unit will be exposed to UV radiation. Operators positioning the light while it is not illuminated will not be exposed. Radiation is only emitted while the light is turned on. Radiation will not linger in the environment when the lamps have been powered off. This unit produces no ozone. Safety equipment is only required when the device is in-use.

1. Instruct service personnel to never look directly at UV-C light without adequate eye protection.
2. Never enter areas being disinfected with UV lighting systems without first powering down the system using the wireless remote actuator.
3. Place warning signage near all openings/entrances to areas being disinfected with UV lighting systems. When possible, lock access doors to prevent unexpected guests from entering the area.
4. Educate non service personnel about the intended operations for UV disinfecting and what signage will be posted. Instruct non service personnel to never look directly at UV-C light.

Even with the benefits they provide, germicidal ultraviolet lamps pose imminent danger if used without taking the proper precautions. You **MUST** avoid exposure to direct or reflected germicidal ultraviolet rays, since they cause painful eye irritation and reddening of the skin. Under no circumstances should this germicidal UV-C unit be permitted to operate with humans, plants, or animals present in the operation area.

UVC radiation at 253.7 nm only penetrates most substances to a depth of a few millimeters. Regular glass blocks UVC radiation at 253.7 nm.



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Eye Exposure

NEVER look directly at the UV-C light while it is illuminated. UV-C radiation exposure can injure the cornea, the outer protective coating of the eye.

Photokeratitis is a painful inflammation of the eye caused by UV-C radiation-induced lesions on the cornea. Symptoms include a sensation of sand in the eye that may last up to two days. UV-C light does not penetrate the eye to the lens.

Skin Exposure

Do not allow UV-C light to shine on exposed skin. It can cause skin reddening and pain similar to sunburn. Prolonged and repeated exposure may damage skin.

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WARNING! READ AND SAVE THESE INSTRUCTIONS

Failure to follow all the instructions listed below may result in electric shock, fire and/or serious personal injury.

1. To avoid fire and shock hazard, plug the appliance directly into 120 VAC power outlet.
2. Never operate the unit with a damaged cord or plug,
3. Do not use the germicidal lamp near water.
4. Never touch the germicidal lamp or plug with wet hands.
5. Always unplug the power cord from electrical outlet when the germicidal lamp is not in use, before cleaning, inserting or removing parts or before moving to another location.
6. Do not use outdoors.
7. Never use power cord to pick up, carry, drag, pull or lift the germicidal lamp. Do not pull the cord against or around sharp corners or edges. This could result in injury to the user and/or damage to the cord.
8. Never pull the cord itself to unplug from power outlet.
9. Always turn unit off before unplugging.
10. Do not place anything on top or around the unit when disinfection in progress.
11. Always place the unit on a smooth, flat, level surface. Keep the cord away from heated surfaces and areas where it could be walked on or tripped over. Unplug the unit when not in use and whenever you clean or move the unit.

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12. The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. Operator must exercise common sense when using UV-C lamp.
13. All occupants and personnel should be alerted to the potential hazards indicated by the product safety labeling on this unit.
14. Product safety labels should be periodically inspected and cleaned, as necessary, to maintain good legibility. Always replace illegible safety labels. Contact the manufacturer to obtain replacement safety labels.

LAMP DISPOSAL

As with a fluorescent light bulb, your UV lamp contains a small amount of mercury and must be disposed of properly. Therefore, do not throw old lamps into the trash. Many communities have agencies that take in mercury along with other materials that require special disposal. Please contact your municipal or county waste collection agency for proper disposal procedures.

LAMP BREAKAGE

Brightbot bulbs are covered with a shatterproof material that contains all bulb contents in the case of bulb breakage. Please dispose of broken bulbs per your facility guidelines.