

verilux[®]
The Healthy Lighting Company™



CleanWave ™

Sanitizing Light Wand

VH11

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Dear Customer,

Thank you for purchasing the Verilux® CleanWave™ Sanitizing Light Wand. You have received an innovative and quality manufactured product, backed by a one-year limited warranty. As a Verilux® customer, your satisfaction means everything to us. We look forward to serving you now and in the future.

Many other healthy lighting products are available through our catalog and online. Visit us on the web at www.Verilux.com to request a free catalog and learn more about all our quality Verilux® products, or call our toll-free number 1-800-454-4408.

Have a Bright Day!

A handwritten signature in black ink that reads "Nicholas Harmon". The signature is fluid and cursive.

Nicholas Harmon
President and CEO

FEATURES

Your new Verilux® Sanitizing Light Wand provides effective protection from germs, viruses, bacteria, dust mites and mold throughout your home. Used regularly on surfaces throughout your home to disinfect, in addition to regular cleaning of bedding, floors and other surfaces, will keep your home germ safe without the risk of chemical contamination. The system features:

- Naturally eliminate germs that are the common cause of colds, infections, asthma, and allergic reactions
- Sterilize quickly and effectively without damaging delicate items
- Chemical-free cleaning — odorless with no harmful residue
- Hypoallergenic disinfection of kitchen surfaces and utensils, beds, sofas, children's toys and more
- Safe and easy to use — built-in timer, auto shut-off and silent operation. 1-year limited warranty

Safety feature:

- A built-in safety switch will automatically turn the UV-C light off if the device is turned upward — protecting eyes from exposure

WARNING!

- This unit should never be allowed to be used by any child under the age of 15 years
- Always direct the UV-C rays AWAY from eyes and skin
- Never use this device on pets

Guidelines for using the Verilux® CleanWave™ Sanitizing Light Wand

- Bedding/Matresses: hold Sanitizing Light Wand approximately 2 inches from surface and gradually move the wand over the entire surface. Allow the light to stay on each area for 5-10 seconds to ensure optimum exposure.
- Personal hygiene items (brushes, toothbrushes, earrings, razors): Place items on counter and expose them to the UV light for 10 seconds at 2 inches from the surface of each item.
- Kitchen utensils: Place on counter AWAY FROM WATER and expose for 10 seconds at 3 inches away from the surface of each item.
- Counters and bathroom fixtures: Hold Sanitizing Light Wand 2–4" above the surface and allow UV light to expose surface for 10-20 seconds.

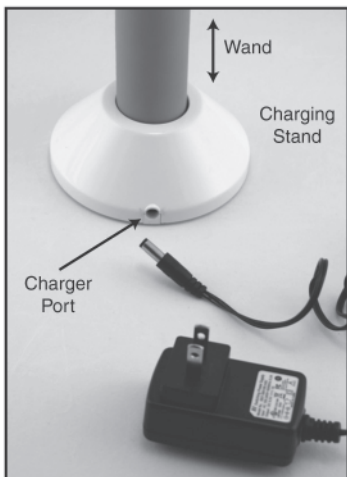
Other uses: Computer keyboards, telephone handsets, baby toys

OPERATION

Operating your Verilux® CleanWave™ Sanitizing Light Wand

1. Connect the Charger into the port in the back of the Wand recharging stand
2. Plug into 110V grounded wall outlet
3. Place Wand in charging stand to charge the internal batteries for 12 hours prior to first use. Red light will illuminate showing that batteries are being charged
4. When the light on the Wand turns green, remove it from the charger stand and use as follows
5. Press the blue button until you hear an audible beep and 00 shows in the display
6. Press again for a 5 minute cycle, one more time for a 30 minute cycle and once more for a 60 minute cycle
7. Although you may not see the UV-C light, it is now working for the cycle that has been selected
8. Refer to the guidelines for sanitizing various surfaces
9. Built in timer will shut light off after the cycle is complete. If you wish to discontinue the cycle at any time, simply press the button until the beep is heard again, and the system will shut itself down
10. Replace the Wand in its charging stand so that it will be ready for the next sanitizing job (see photo right)

Note: A safety switch will automatically turn off the wand if the light source is turned upward (it will go back on when the light source is once again lowered)



WARNINGS

DANGER

Ultraviolet (UVC) Radiation Hazard.

Any exposure will cause significant eye damage and may cause skin damage.

Do not look into UV light source. Wear UV eye and skin protection.

WARNING **POTENTIAL MOLD SPORE RELEASE**

Application of UV-C light to existing mold growth can cause respiratory irritation and allergic symptoms. Do not use UV-C light where active mold growth exists. Remove active mold growth from surfaces prior to exposure.

FREQUENTLY ASKED QUESTIONS

What is UV light?

Sunlight is electromagnetic radiation. The three types of light that reach the earth from the sun are ultraviolet, visible and infrared radiation. It is the ultraviolet, or UV, radiation that makes us feel warm when we are out in the sun, but it is also potentially the most damaging to our skin and eyesight. In terms of wavelength, visible light is a narrow band located between the UV past the dark purple color of visible light on one end, and infrared (IR) on the other end past the darkest visible red color.

Are there different kinds of UV light?

Yes, UV-A are the tanning rays of the sun, UV-B are the rays that cause sunburn, and UV-C are the most dangerous cancer-causing rays. All UV has the potential for damaging the skin. UV-A has the longest wavelength and penetrates the ozone layer of the earth's surface without any blockage. UV-B has a shorter wavelength and is somewhat absorbed by the ozone layer. UV-C is completely blocked by the ozone layer, except where there are holes in the layer (currently at the Earth's poles). UV-C is considered "germicidal UV" and is used in hospitals and laboratories to eliminate germs, mold, bacteria and viruses.

Is UV-C dangerous to use?

Under proper handling procedures, UV-C is completely safe. You should never allow the UV-C light to shine in your eyes or on your skin (even though you might not even know the light is on). Although there are numerous safety systems engineered in the Verilux CleanWave™ product line, no child under 15 years of age should ever be allowed to use the product. The visible light blue light is attractive to children, so care must be taken not to allow them to play with any UV-C product.

How does UV-C work?

UV-C alters the DNA and RNA in germs, viruses, mold and bacteria so that they are not able to reproduce. Within a very short period of time (almost instantaneously) they die when exposed to UV-C illumination.

Does UV-C create ozone?

No. UV-C does not create ozone and does not damage the environment. Ozone is a toxic gas that is emitted by some ionizing air cleaners. Verilux CleanWave™ Sanitizing will not expose you to ozone.

Are there any surfaces that should not be exposed to UV-C light?

As mentioned previously, never allow the light to shine into your eyes or on exposed skin. Also, some plastics are adversely affected by exposure to UV-C light. Therefore, always avoid exposing electrical cords, plastic gaskets and seals to UV-C light.

FREQUENTLY ASKED QUESTIONS cont.

Has the use of UV-C been tested to eliminate disease causing germs, bacteria and viruses?

Yes. Extensive tests by Westinghouse Electric, General Electric, Penn State University and Harvard have demonstrated the effectiveness of UV-C light on microorganisms. UV-C systems have been tested commercially for more than 60 years and have demonstrated their effectiveness.

If I notice mold in my home, can I use Verilux CleanWave™ Sanitizing Technology to eliminate it?

When mold is present, it should be cleaned with a suitable cleanser prior to treating it with Verilux CleanWave™ Sanitizing Technology. This will eliminate the danger of mold spores being formed and blown around the room.

How long should I expose a surface to Verilux CleanWave™ Sanitizing Technology?

Effective times vary, so please consult your Instruction Manual to determine correct exposures for various applications.

Can I use UV-C on my pet to eliminate odor and bacteria, since it has so much fur that its skin is not exposed?

No. You should never use UV-C to treat your pet.

How long should the bulb last?

The bulb should last for three to four years under normal use. The average life of a bulb is approximately 15,000 hours.

After treating a surface with UV-C, is there any residue that needs to be avoided?

Verilux CleanWave™ Sanitizing Technology does not produce any residue and there is no waiting time between treatment and further exposure to the surface

Please visit our website at: **www.Verilux.com**

Call our Customer Service Department at

1-888-544-4865

Monday – Friday, 9 AM – 5 PM Eastern

340 Mad River Park, Waitsfield, VT 05673

ONE YEAR LIMITED WARRANTY

ATTENTION! ONCE OPENED, PLEASE **DO NOT** RETURN THIS PRODUCT TO THE STORE WHERE IT WAS PURCHASED FOR REPAIR OR REPLACEMENT!

Many questions may be answered by visiting www.Verilux.com, or you may call our customer service department at 1-888-544-4865.

This limited warranty is provided by:

Verilux, Inc., 340 Mad River Park, Waitsfield, VT 05673

Verilux® warrants this product to be free from defects in material and workmanship for a period of one year from the date of the original retail purchase. During the limited warranty period, Verilux, Inc. will, at its option, repair or replace defective parts of this product, at no charge to the customer, subject to the following limitations. This limited warranty does not include any postage, freight, insurance or delivery fees. This warranty does not cover damage, defect or failure caused by or resulting from accident, external destruction, alteration, modification, abuse, misuse, or misapplication of this product.

If, during the first year of ownership, this product fails to operate properly, it should be returned as specified below:

Please pack the defective product in its original protective packing and box, with a copy of your sales receipt showing Date of Purchase, along with \$6.95 (check or money order to cover shipping and handling), and send to:

For U.S. Postal Service Only:

**Verilux Warranty
Service Center, c/o WTB
P.O. Box 119,
West Redding, CT 06896**

For Fed Ex & UPS Only:

**Verilux Warranty
Service Center, c/o WTB
32 Henry Street, Bldg 17A,
Bethel, CT 06801**

Please allow 4-6 weeks before you receive the repaired or replaced product.

ATTENTION: When returning a product, be aware that damage during shipping is the responsibility of the purchaser and will void any warranty claim. We recommend that you insure the shipment by shipper when returning this product or any parts. Be sure to return product in original packaging.

Due to ongoing improvements, actual product may have slight variations from the product described in this manual.

Printed in China for Verilux, Inc.

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VH11-MAN-Rev1

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