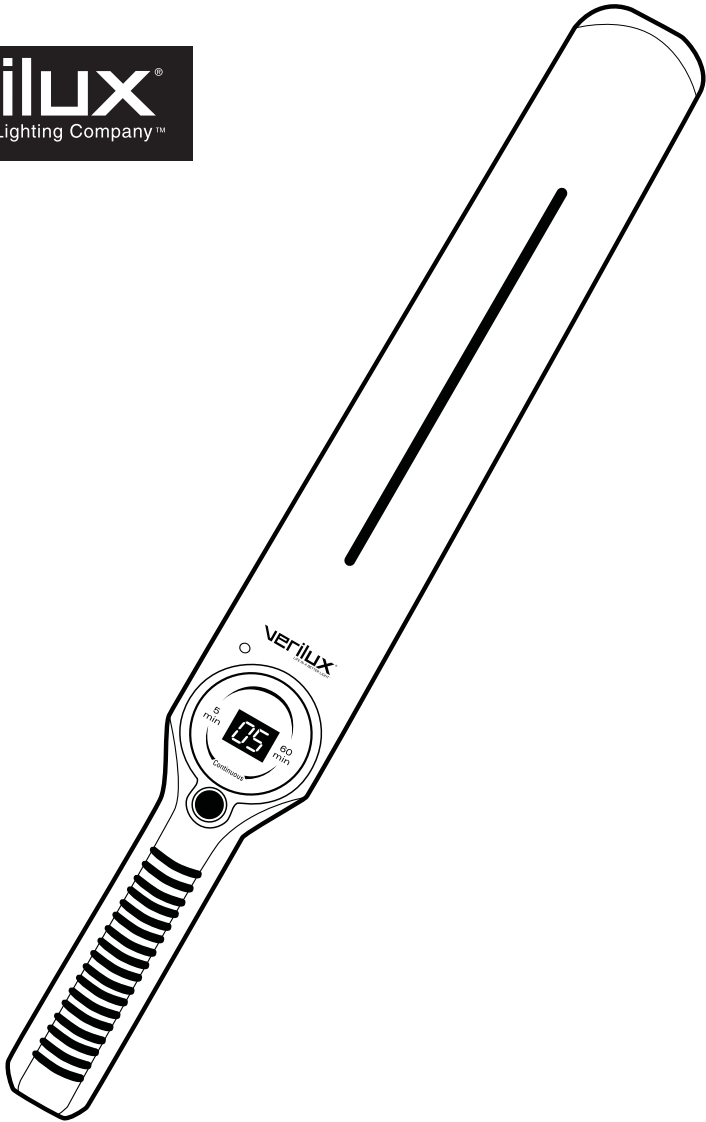


**verilux**<sup>®</sup>  
The Healthy Lighting Company™



# CleanWave ™

UV-C Sanitizing Wand

VH01



Dear Customer,

Thank you for purchasing the Verilux® CleanWave® UV-C Sanitizing 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](http://www.Verilux.com) to request a free catalog and learn more about all our quality Verilux® products, or call our toll-free number 1-888-544-4865.

Have a Bright Day!

A handwritten signature in black ink that reads "Nicholas Harmon". The signature is written in a cursive, flowing style.

Nicholas Harmon  
President and CEO

## FEATURES

Your new Verilux® CleanWave® UV-C Sanitizing Wand is one of the best protections against dangerous viruses and bacteria residing on surfaces around your home. The system features:

- A powerful Ultraviolet (UV-C) illumination system that eliminates bacteria, viruses, fungus and mold spores (see back page for lab results).
- This system removes odors and dangerous allergens including dust mites that can cause pneumonia, asthma and other conditions.
- Perfect for use on bed clothes, in closets, on counters, as well as sofas and chairs.
- Portable, hand-held design is easy to operate.
- Clear instructions and convenient LED screen with 3 operating modes – 5 minutes, 60 minutes and continuous mode.

### **Safety features include:**

- Built in timer ensures unit turns itself off after prescribed exposure period.
- A safety switch will automatically turn off the wand if the light source is turned upward.

### ***WARNING!***

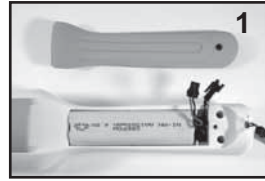
- This unit should never be allowed to be handled by children under 15 years of age due to the danger of accidental direct exposure to UV rays.
- Always direct the UV rays AWAY from the eyes and skin.
- Never use this device on pets.
- It is highly recommended that UV-C resistant safety goggles (not included) be worn when using this device.

**SAVE THESE INSTRUCTIONS**

# OPERATION

## Prior to first Use:

Battery is shipped disconnected from or separate from the Wand (Photo 1). Using a Phillips head screwdriver (not included) unscrew the gray handle face plate on the underside of the Wand. Insert the male connector of the battery into the female connector of the Wand (Photo 2). Return handle face plate and screw to tighten.



## UV-C Sanitizing Wand Operation

- The UV-C Sanitizing Wand contains a rechargeable 4.8v Ni-MH battery. Please be sure to fully charge the battery for 24 hours prior to initial use. Old batteries should be disposed of properly and never incinerated.
- Charging time is 8 hours. The Wand can be used for 1.5 hours after it is fully charged.
- The Charging LED indicator shows red while charging, and green when fully charged.
- After charging fully, disconnect charger, press and hold on/off/mode switch for 5-7 seconds until it beeps. LED screen will display “00” and beep to indicate activation and readiness for additional instructions. Press button again to indicate:
  - 5 minute (05)
  - 60 minute (60)
  - Continuous operation (CC) – in this mode, the unit will NOT automatically turn itself off.



00



05



60



CC

## OPERATION cont.

**NOTE:** UV light will not illuminate until time has been selected. If no mode has been selected within one minute, system will automatically turn itself off.

- No matter which mode has been selected, the unit may be turned off manually by simply holding the button down for three seconds anytime during the cycle.
- A safety switch will automatically turn off the wand if the light source is turned upward.
- When battery life gets short, the unit will start beeping. After three beeps the unit will only restart after the AC Adapter is plugged into an electrical outlet.

## BULB REPLACEMENT

Be sure unit is not connected to the AC adapter and has been turned off. Using a Phillips head screwdriver, carefully remove the two screws that secure the bulb cover to the Wand body. Remove the bulb by pulling straight up on the bulb from each end. Insert a new bulb by pressing the pins into the slots at either end of the socket. Replace the bulb cover and screws.



### **⚠ DANGER**

**Ultraviolet (UVC) Radiation Hazard.**  
Any exposure will cause significant eye damage and may cause skin damage.  
Do not look into UV light source.

### **⚠ 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.

## GUIDELINES FOR USE

### Guidelines for using the Verilux® CleanWave® UV-C Sanitizing Wand

- Bedding/Matresses: Vacuum thoroughly first, and then hold Sanitizing Wand approximately 1/2 inch from surface and gradually move the wand over the entire surface. Allow the light to stay on each area for 15-20 seconds to ensure optimum exposure.
- Personal hygiene items (brushes, toothbrushes, earrings, razors): Place items on counter and expose them to the UV light for 20 seconds at 1/2 inch from the surface of each item.
- Kitchen utensils: Place on counter AWAY FROM WATER and expose for 20 seconds at 1/2 inch away from the surface of each item.
- Counters and bathroom fixtures: Hold Sanitizing Wand 1/2 inch above the surface and allow UV light to expose surface for 20-30 seconds.
- Shoes: Expose inside of shoes to UV light for 5 minutes once each week to eliminate athlete's foot fungus and odors.

Other uses: Computer keyboards, telephone handsets, baby toys

 **DANGER**

**Ultraviolet (UVC) Radiation Hazard.**

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

**Do not look into UV light source.**

# WARRANTY

## 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](http://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, name, address and telephone number along with \$9.95 (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.

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**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.

***Note:** Verilux® recommends using a quality surge suppressor on all electronics equipment. Voltage variations and spikes can damage electronic components in any system. A quality suppressor can eliminate the vast majority of failures attributed to surges and may be purchased at electronics stores.*

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

# Laboratory Results

## Antimicrobial Activity Test (The tested surface is 3 cm/ Exposure time one minute)

Test Article	Telephone Receiver Surface (100 cm <sup>2</sup> )	Computer Keyboard Surface (100 cm <sup>2</sup> )	Office Desk Surface (100 cm <sup>2</sup> )
Initial Count	1.1 x 10 <sup>3</sup> (CFU/100 cm <sup>2</sup> )	1.5 x 10 <sup>3</sup> (CFU/100 cm <sup>2</sup> )	1.6 x 10 <sup>5</sup> (CFU/100 cm <sup>2</sup> )
Number of Microbial Counts After UV Light Exposure	< 10 (CFU/100 cm <sup>2</sup> )	< 20 (CFU/100 cm <sup>2</sup> )	< 20 (CFU/100 cm <sup>2</sup> )
Percent of Reduction of Microbial Content	99.1%	98.67%	99.76%

## Antibacterial Activity Test

Name of Test Organism	Klebsella pneumoniae	Pseudomonas aeruginosa	Staphylococcus aureus	Escherichia coli	Candida albicans	MRSA (Methicillin Resistance S.aureus)	Bacillus subtilis	Penicillium funiculosum	
Initial Count (CFU.mL)	1.34x10 <sup>5</sup>	1.28x10 <sup>6</sup>	1.52x10 <sup>5</sup>	1.5x10 <sup>5</sup>	1.67x10 <sup>5</sup>	1.26x10 <sup>5</sup>	1.44x10 <sup>5</sup>	1.8x10 <sup>5</sup>	
The Number of Test Organism After UV Light Exposure (CFU)	5 min	5 min	5 min	5 min	5 min	5 min	5 min		
	< 10	1.17x10 <sup>3</sup>	< 10	40	5.6x10 <sup>2</sup>	< 10	3cm 1.27x10 <sup>2</sup>	6cm 6.95x10 <sup>2</sup>	3.8x10 <sup>2</sup>
Percent Reduction Of Test Organism	99.99%	99.91%	99.99%	99.97%	99.97%	99.99%	99.91%	99.52%	99.79%

Test Organism	Shoe In-Sole
Initial Count (CFU/40 cm <sup>2</sup> )	2.0x10 <sup>6</sup>
After UV Light Exposure Under UV-C and for 20 Minutes (CFU/40 cm <sup>2</sup> )	20 min
	2.19x10 <sup>4</sup>
Antimicrobial Activity	98.90%

Please visit our web site at: [www.Verilux.com](http://www.Verilux.com)

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