

UVSS-4

Hand Held UV Sanitizing Source for 4 W

Photonics Protective Equipment (PPE) for the Novel Coronavirus

[INTRODUCTION]

This UVSS-4 is an Photonics Protective Equipment (PPE) for the Novel Coronavirus. Unlike chemical approaches to alcohol disinfection, UV light provides rapid, effective inactivation of viruses through a physical process. When viruses are exposed to the germicidal wavelengths of UV-C [280nm-100nm] light, they are rendered incapable of reproducing and infecting.

The UVSS-4 produces 4 W DC UC-V light, powered by 4 AA Alkaline batteries. It 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), it will protect your home without the use of sprays or harsh chemicals.

[FEATURES]

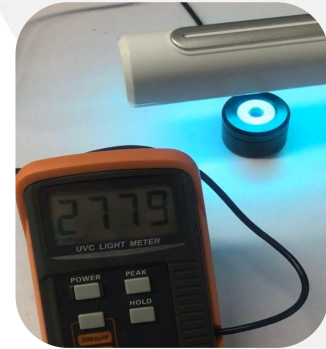
- **4 AA alkaline batteries**
- **4 W UV-C [254 nm]**
- **Eliminates the Novel Coronavirus**
- **Destroyed over 99.9% of E. coli in laboratory tests**
- **Chemical-free, odorless, no harmful residue**
- **A costeffective way to disinfect kitchen and utensils, beds, sofas, toys and more**
- **Safe and easy to use, design for office using with computer table, mouse and so on**



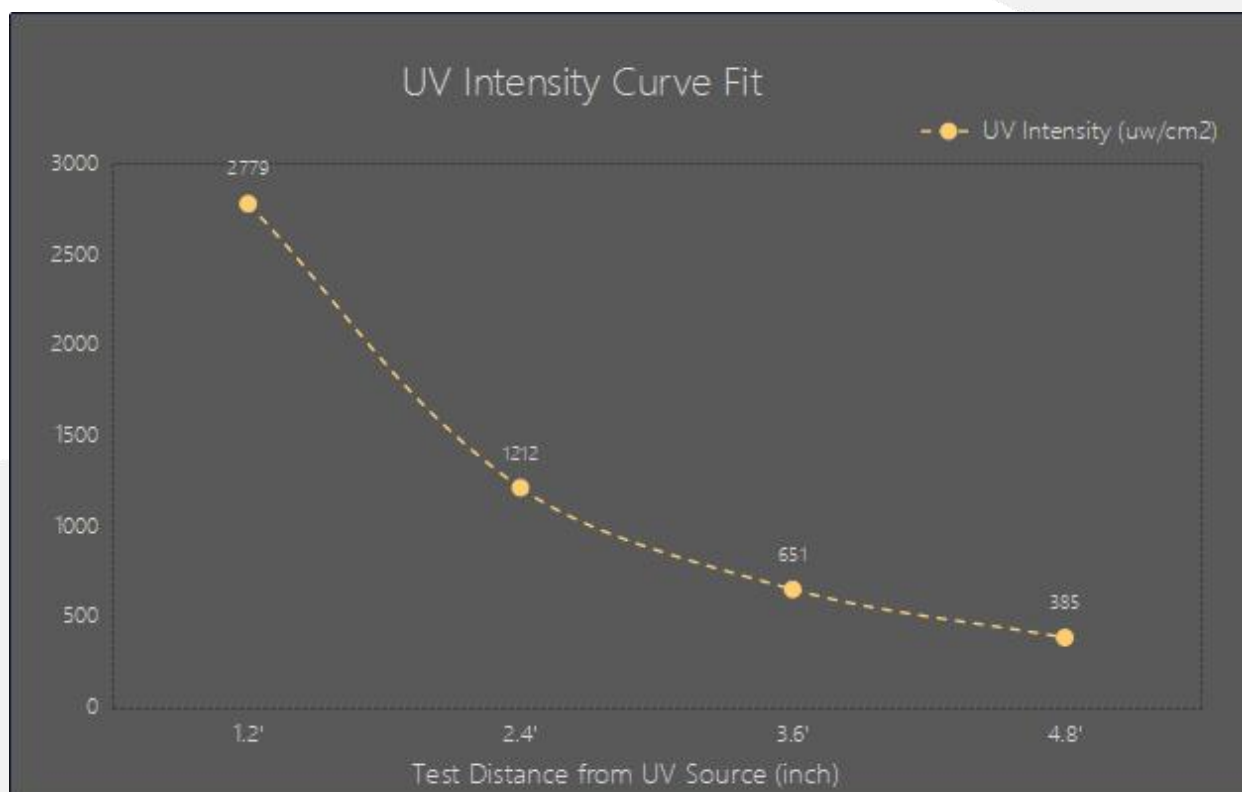
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[SPECIFICATION]

UVSS-4	PARAMETER
UV Wavelength	UV-C [254 nm]
UV-C Lamp Output power	4 W typ. DC Lamp
Power Density	2800 $\mu\text{w}/\text{cm}^2$ (from 1.2")
Power Supply	Alkaline Batteries [4 AA]
Best Working Distance	1"-4"
Size	10.4"L x1.6" Wx 1.5" H
Weight	0.3 lbs.

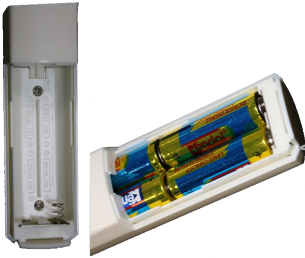


[TEST DATA]



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[OPERATING]



● Inserting Batteries

Open the battery cover. Insert 4 AA Alkaline batteries (included) into the battery compartment and close the cover. The UV Sanitizing Wand is now ready to use. (Fig. 1)

● One-button Turning On and Off

To turn the device on, press the Power button once. The LED indicator light will turn on and UV Lamp will begin to work. (Fig. 2)

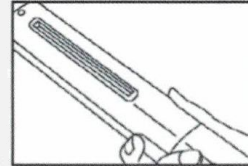
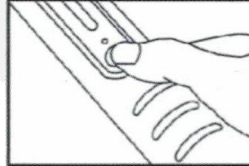
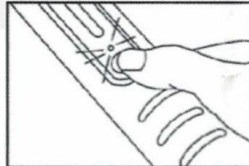
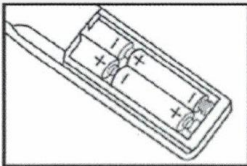
To turn the device off, press the Power button once while the UV Sanitizing Wand is operating. (Fig. 3)

Fig. 1

Fig. 2

Fig. 3

Fig. 4



[CLEANING GUIDE]

- Tables and chairs, door handles
- Bedding/Mattresses
- Personal Hygiene items (hair brushes, toothbrushes, jewelry, razors)
- Kitchen Utensils, Counters/Bathroom Fixtures
- Other uses [Computer keyboards, telephone handsets, baby toys, etc.]

Hold the UVC Sanitizing Light approximately 1-2 inches from the surface and gradually move the light over the entire area. Allow the light to stay on each area for 10 seconds minimum to ensure efficient exposure.



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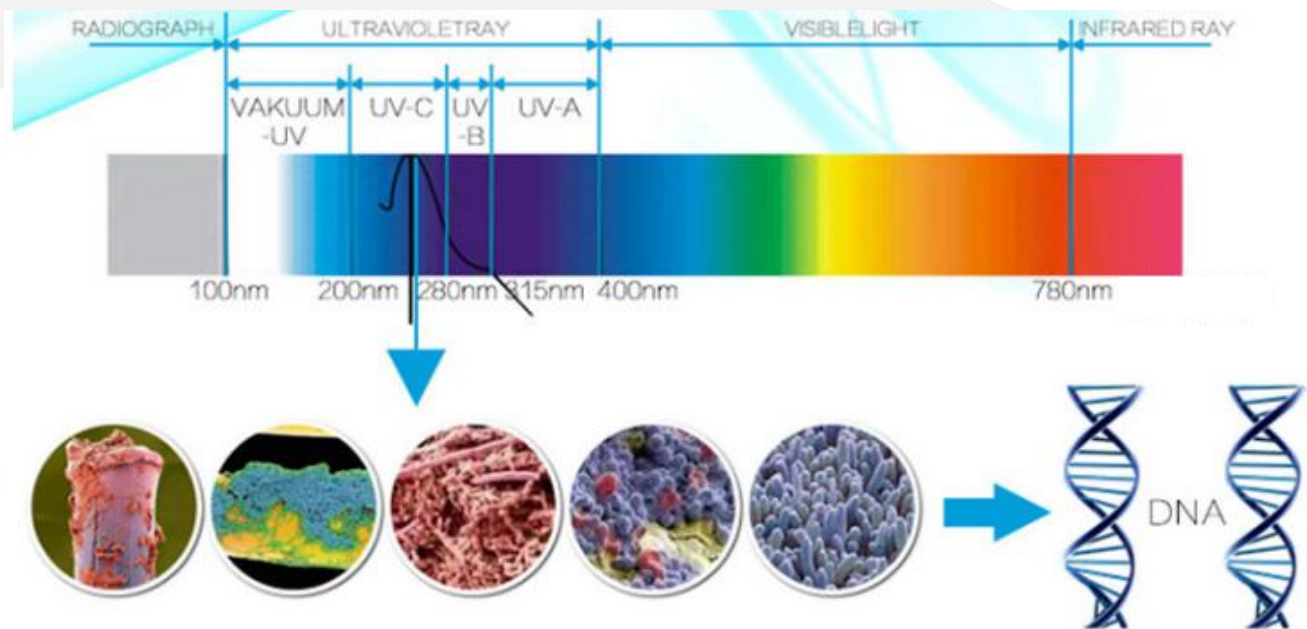
[ABOUT UV LIGHT AND ITS DEFINITION]

UV stands for ultraviolet light. Ultraviolet light represents the frequency of light between 100 nanometers [nm] and 400nm and cannot be seen with the naked eye.

Within the UV spectrum lie three distinct bands of light: UV-A, UV-B and UV-C.

- UV-A [400nm-315nm]: The long wave UV light [315nm to 400nm] or UV-A refers, to what we commonly call "black light." This is the longest wavelength region and has the lowest energy. UV-A represents the largest portion of natural UV light.
- UV-B [315nm-280nm]: The UV-B [280nm to 315nm], or mid-range UV, causes sunburn.
- UV-C [280nm- 100nm]: The germicidal UV light [100nm to 280nm], or UV-C, is effective in microbial control.

Scientific research has proven that the most effective frequency for microbial destruction is between 280nm and 200nm, which is within the UV-C band. Therefore, as long as the nm frequency of a germicidal lamp is well controlled within that range, the microorganisms will be destroyed effectively.



! [WARNING!]

You need to pay attention!
Ultraviolet rays can cause burns to the eyes and skin.
When disinfecting, people and animals need to leave to avoid damaging eyes and skin. Do not expose eyes or skin directly to UV-C light. When using, please wear goggles or sunglasses to protect yourself from harm. Keep this device out of the reach of children at all times.

