



PEACE OF MIND FOR YOUR
RESIDENTS

*Now more than ever, health and safety are of utmost importance.
Take disinfecting to the next level with the latest in Ultraviolet (UV) technology.*

ASSISTED LIVING INDUSTRY'S NEW CHALLENGE:

Implementing a Cost-effective Disinfecting Solution that Builds and Exemplifies Comfort and Trust for Residents and their Families

Although the long-term effects of COVID-19 are unknown, Assisted Living providers already are adopting a new normal — prioritizing frontline healthcare workers' needs, enhancing infection control protocols, increasing supply inventories and altering social isolation practices.

COVID-19 infection rates have been relatively low in Assisted Living, with less than 1% of the more than 800,000 residents in communities in the country contracting the virus, according to Marcus & Millichap Research Services. However, many providers are finding the **challenges come in the form of ongoing expenses** to battle the virus. According to Marcus & Millichap Research Services, **once the virus enters a building, the expense to each facility is about \$1 million.** Some providers forecast a \$500 to \$700 cost per unit for increased labor, supplies and cleaning.

The total financial impact of COVID-19 could total roughly \$60 billion industrywide as providers are faced with increased costs for labor and supplies. Moving forward, occupancy is anticipated to fall as move-ins slow and seniors turn to home health and telemedicine alternatives over the near-term, effecting revenue and the recovery of many facilities.

Purify-One offers the industry leading, one-time cost-effective disinfecting solution, proven to build comfort and trust for residents and their families.

THE PURIFY-ONE DIFFERENCE



Green
Solution



No Downtime
After Disinfecting



No Harmful
Chemicals



One-Time
Expense

WHAT OUR CUSTOMERS ARE SAYING

"Purify-One's UV Wand is part of a lifesaving arsenal of things people in your job and mine should be sharing. As certain as we are the wands work, the process is invisible, but we have made good use of it visually. As people enter our cleanroom they see our staff doing a final sweep through that space. We wand professionals' belongings as they need to enter the building. We have the staff use it during check-in and exiting the building. We believe in the science, but in addition, it has served as a great reminder to be cautious at each of these steps. Our wands are regularly signed in and out from the reception desk by the house keeping staff and CNA's for special projects.

"Like a lot of things we are doing right now, they get the job done, but the wand in particular, shows everyone we are going above and beyond the norm. It's the display of steps like this, that build comfort and trust with residents and their families. I can't say the wands are the only prevention, but I can say they are a really comforting tool in our COVID battle. We remain COVID free since we received our wands."

"We are glad to have this tool. Our facility is 180,000 square feet with 160 rooms, the 9 we have onsite seems to be right amount. Most days, each cleaning person takes one, the receptionist keeps one busy and the care staff shares the 3 that are available. The Wands definitely provide some comfort to our staff as well."

Alan Scimeca

CEO - The Radcliff

"We currently have used the wand in our high touch areas and difficult to clean areas. As an Assisted Living community, it is imperative that we remain diligent in keeping our residents and associates free of COVID. With the purchase, we initially used our wands in our dining area for the tables, chairs and high-touch areas of the dining room. We found for us, the chairs and the high-touch areas in the dining room is where the wand served us best."

"However, the area that we use the wand most is our front entrance and vestibule. That area has the highest amount of touches. All staff, essential workers, deliveries and outside guest use that entrance to complete temperature checks, questionnaires, drop offs, etc. Keeping it free of COVID before the use of the wand was challenging and overwhelming. Since the purchase of the wand, we can prepare the area quickly so that we can be assured that we are COVID free."

Sherry Wise

Executive Director - Wickshire Senior Living



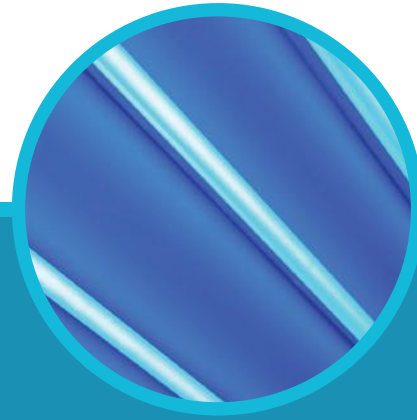
Why UV Disinfecting?

Harmful germs and bacteria are everywhere. Now more than ever it's important to ensure that the space around us is healthy and safe. Sterilizing hand gels, disinfectant sprays, and sanitizing wipes are not enough to ensure a healthy environment.

Many bacteria and viruses are heat, cold, and drug-resistant. They are not UV resistant!

Utilizing UV-C at 270-280 nanometers (nm) and UV-A at 380-405 nm, Purify-One devices damage the DNA and RNA in bacteria and viruses rendering them harmless.

With high powered, proprietary LED light technology, Purify-One UV devices allow you to disinfect up to 10x faster than most fluorescent UV devices and is 2x more powerful than other LED UV devices on the market.



What is UV Light?

Ultraviolet (UV) light is a component of the electromagnetic spectrum that falls in the region between visible light and X-Rays. This invisible radiation includes the wavelength range of 100 nm to 400 nm.

UV light can be further subdivided and categorized into four separate regions:

- **100 to 200 nm:**
Far UV – these wavelengths only propagate in a vacuum
- **200 to 280 nm:**
UV-C – useful for disinfection and sensing
- **280 nm to 315 nm:**
UV-B – useful for disinfection, curing, tanning, and medical applications
- **315 nm to 400 nm:**
UV-A (or "near UV") – useful for disinfection, medical applications, printing, curing, lithography, and sensing

Most Natural UV light is generated by the sun with about ten percent of sunlight being UV and only 3 to 4 percent penetrating the atmosphere to reach the ground. Of the UV radiation that reaches the earth, 95 percent is UV-A and five percent is UV-B.

No measurable UV-C from the sun reaches the earth's surface.

Because of the spectral sensitivity of DNA, the UV-C region demonstrates significant germicidal properties.



The Research

As evident by multiple research studies and reports, when biological organisms are exposed to deep UV light in the range of 200nm to 300nm it is absorbed by DNA, RNA, and proteins.

How this affects bacteria and viruses:

- Absorption by proteins can lead to the rupture of cell walls and the death of the organism.
- Absorption by DNA or RNA (specifically by the thymine bases) is known to cause inactivation of the DNA or RNA double helix strands through the formation of thymine dimers. If enough of these dimers are created in DNA, the DNA replication process is disrupted and the cell cannot replicate.

It is widely accepted that It is not necessary to kill pathogens with UV light, but rather apply enough UV light to prevent the organism from replicating. The three main types of UV rays are UV-A, UV-B, and UV-C. Because UV-C rays have the shortest wavelength, and therefore highest energy,

UV-C has been proven to kill strands of coronavirus (below are notable research studies demonstrating the effectiveness of UV-C light on SARS and MERS).

- <https://www.ncbi.nlm.nih.gov/pubmed/17002634>
- <https://www.ncbi.nlm.nih.gov/pubmed/14631830>
- <https://www.ncbi.nlm.nih.gov/pubmed/27805261>

THE PURIFY-ONE DIFFERENCE



Doctor Designed & Developed

Over 30 years of R&D in light technology.

Demonstrated history of industry leadership.



Proprietary Medical Grade Technology

Mixed Wave (TM) technology: UV-C and UV-A.

Rigorous safety protocols and testing.



Double the Power of Other UV Wands

Disinfecting times significantly reduced.

Coverage areas tremendously enhanced.



Best-in-Class Components & Performance

2x the LED's of other LED UV wands (High-grade sapphire quartz optics with no mercury or glass – proudly assembled by hand in the USA).

Industry-leading useful life (50,000 hours or ~10 years of continuous use) with no degradation in the efficacy of the device through its useful life.



PRODUCT DETAILS

Size: 14.5" x 1.625" x 1.25"

Weight: 6.5 oz

Wavelengths: 270-280nm / 380-405nm

Irradiance: UV-C 6w / m2

Voltage: DC 5v / 2A

Wattage: 8w

Control: 60 minute timer

Battery: 2,000 Mh

Color: White

Warranty: 1-year included



PURIFY-ONE

www.Purify-One.com

info@purify-one.com



@purifyone



@purifyone_1