PURIFY-ONE

PEACE OF MIND FOR YOUR CUSTOMERS

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

AUTOMOTIVE DEALERS' NEW CHALLENGE:

DISINFECTING MOVING INVENTORY

It's a safe bet no automotive dealer ever thought he or she would also be in the vehicle disinfects and personal safety business, but now they are in it for the long haul!

It's one thing to disinfect horizontal surfaces, another to clean vehicles every time one returns from a test drive or a porter moves one off a transporter. A dealer's inventory has now become a moveable risk.

Equally as important as using the right products is articulating to customers **how** you've created a safe environment for them – or they likely won't buy from you.

Automotive dealerships using sanitizing wipes, plastic steering wheel, and door-handle covers and similar entry-level solutions to protect staff and customers are not doing enough.

Purify-One can help dealers fulfill their commitments to customer safety.

THE PURIFY-ONE DIFFERENCE

- Green Solution
- No Downtime After Disinfecting
- No Harmful Chemicals Damaging Vehicles
- One-Time Expense

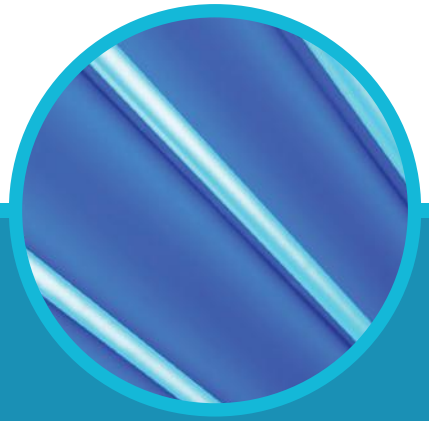
Why UV Disinfecting?

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).

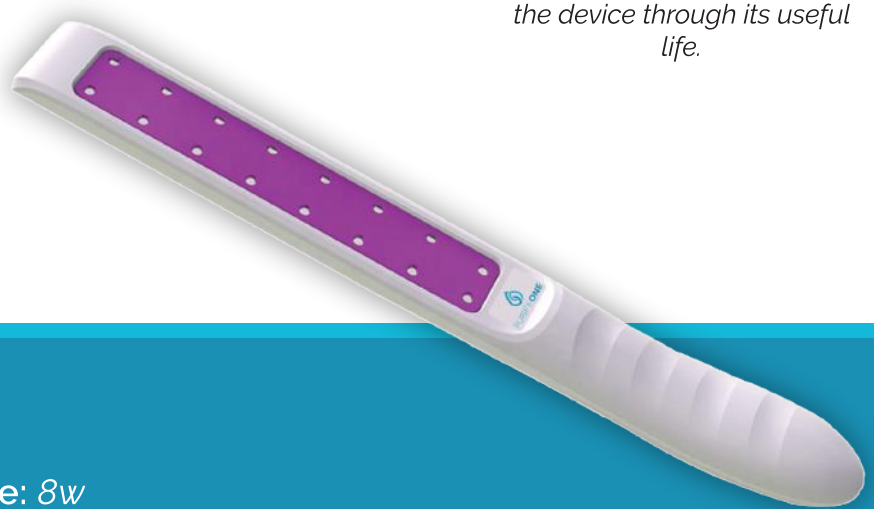
Industry-leading useful life (50,000 hours or ~10 years of continuous use) with no degradation in the efficacy of the device through its useful life.

INTERNATIONAL IUVA ULTRAVIOLET ASSOCIATION

3RD PARTY LAB TESTED

CE RoHS

PROUDLY MADE IN USA



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

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