

Olympia's UVC Devices are proven by Third Party Laboratories for a **99.9%** Reduction of Viruses, Bacteria, and Mold, including the **COVID-19 Virus (SARS-CoV-2)**

UVC LED Air Disinfection Devices

With an increased concern on the transmission of airborne viruses, Olympia's LED UVC air disinfection devices are here to reduce risk and bring peace of mind. For quite some time people have relied on ultraviolet radiation to inactivate viruses, and now with the spread of COVID-19, this kind of virus protection is especially important.

What Is Airborne Transmission?

When people infected with viruses breathe, talk or sneeze they expel droplets that contain that virus. This happens with common colds, flu, and COVID-19. These are also called "aerosols." It's been discovered that COVID-19 can also travel in airborne particles, which are likely to be more persistent. They, along with smaller droplets, can travel distances of more than six feet and remain in the air for hours.

What Combats Airborne Virus Transmission?

By now everyone knows about the CDC recommendations to combat the spread of COVID-19. They include distances of at least six feet, masks when indoors with strangers, refraining from large gatherings, handwashing, and surface disinfection. Another measure is UVC air disinfection, especially in air purification and ventilation systems. Recent research shows that an air disinfection system with shortwave UVC germicidal irradiation can inactivate the COVID-19 virus. Also, an EPA study showed that ultraviolet germicidal irradiation (UVGI) combats the spread of airborne diseases.

How Do Disinfection Devices Help?

The ultraviolet spectrum consists of four wavelength groupings: UVA, UVB, UVC, and UV Vacuum. The UVC band is from 200 to 280 nm (nanometers), and that's the range where UV light is most effective against viruses. Electromagnetic radiation in these wavelengths can keep microorganisms from reproducing by inducing photochemical changes in their nucleic acids.

Lamps that emit this radiation are called UVC lamps or germicidal lamps. The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) recommends that UVC emitting devices be installed in air handling units.

What Disinfection Devices Does Olympia Offer?

Olympia offers both standing lamps and devices that mount on a wall or ceiling. Mounted devices include:

- The UVC Air Purifier Lay-in Troffer is a ceiling device with a low profile suitable for standard dropped ceilings. There are adjustable power and dimmer, and you can turn the light off while keeping the UVC LED active.
- The UVC Air Purifier Wall Unit hangs on the wall typically at a height of about seven feet. It adds a 405 nm light for bacterial decontamination.

Safe and Effective

A UVC LED air purifier, such as these UVC air purification devices, creates an inhospitable environment for viruses and bacteria. Air is circulated through these fixtures, and invisible UV light destroys germs, viruses, bacteria, mold, and other pathogens. **They operate at an optimal germicidal wavelength of 265 nm and irradiate at 1,500 microwatts/cm².** They protect people and their pets from direct radiation exposure. The LED source is hidden to eliminate the possibility of eye damage. Third-party testing has confirmed these product claims.

Olympia also provides free-standing germicidal LED disinfection lamps suitable for enclosed fixtures. The lamps have additional UVA light to fight bacteria as well as UVC for viruses. The lamps provide both air and surface disinfection.

Takeaways

- Airborne transmission of viruses has always been a concern, and it's a bigger one in the era of COVID-19.
- Along with hygiene and social distancing practices, another recommended tool to combat airborne virus transmission is the use of germicidal UVC lighting.
- Olympia Lighting offers UVC LED germicidal devices that meet recommended irradiation levels while maintaining safety for humans and animals.

<https://olympialighting.com/news-blogs/>

<https://olympialighting.com/press-release-uvs-covid-19-virus-reduction-microbac-report/>

Olympia's UVC Disinfection Lighting Shows a Significant COVID-19 Virus Reduction of over 99.4 percent when used in Commercial HVAC Applications

**UVC Device achieved a virus reduction of 99.4 percent
in just 1 minute**

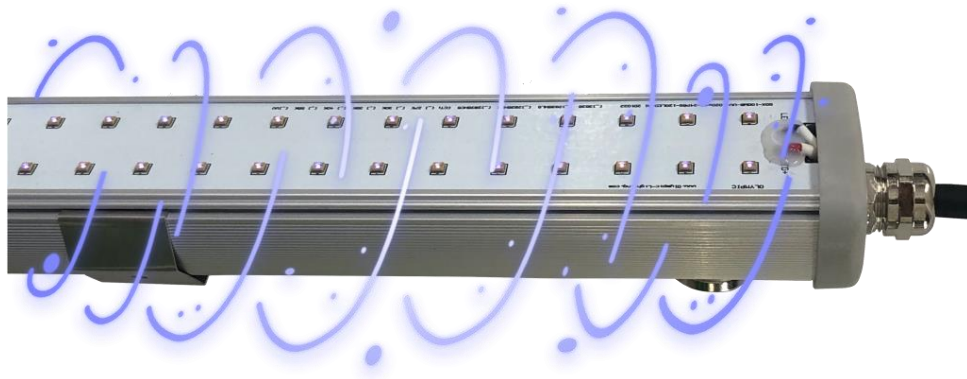
Olympia Lighting received a Virus Reduction Efficacy Test Report on its UVC Linear LED Strip testing. Tested by an independent lab, Microbac, the technology was found to provide over 99.9 percent reduction of the COVID-19 Virus (SARS-CoV-2). Microbac Laboratories, Inc. conducted testing at a standard distance of one meter and exposed the virus exposing cell culture plates (Petri Dishes) to Olympia UVC devices for one minute, four minutes and eight minutes. In the testing, the eight-minute exposure resulted in the highest percentage of reduction of over 99.9 percent. Moreover, there was a Virus reduction of 99.4 percent in just one minute, showing Olympia's UVC device is highly effective.



Olympia Lighting's UVC Linear LED Strip uses Ultraviolet Germicidal Irradiation (UVGI) LED technology. The ultraviolet light disintegrates and inactivates infectious germs, viruses, and pathogens circulating within an air system. The state-of-the-art UVC disinfection LED light is powerful inside HVAC systems to clean air between the return and supply, opposite the coils or inside the Air Handler Unit (AHU). The UVC Linear LED Strip is lightweight and slim to fit into any high CFM HVAC ductwork effectively. Considering the past year, the idea is revolutionary and is destined to bring further success.



Specializing in commercial lighting, Olympia is making great strides as a UVC LED irradiation company. Olympia's series of commercial UVC light sanitizer devices address the need to decontaminate and purify business environments. UVC light disinfection for rooms is an excellent way to produce a clean, germ-free environment in offices, stores, hospitals, schools, libraries, warehouses, churches, event venues and more.



Olympia Lighting produces industrial-grade LED lights and fixtures. With warehouses and sales offices in California and New Jersey, the company serves electricians, electrical and lighting wholesalers. As a member of the International Ultraviolet Association (IUVA), Olympia's manufacturing and design meet all USA safety standards. Competitively priced, Olympia Lighting's LED lights come with up to 100,000 hours, 10-year manufacturer warranty. With the future of safety hanging in the balance, commercial contractors and wholesalers can count on Olympia for a full line of commercial UV light sanitizer solutions.

<https://olympialighting.com/uvc-wall-mount-press-release/>

UVC Wall Mount Press Release

Olympia Lighting Releases UVC Wall Mount Air Disinfecting Unit in Response to COVID-19

This UV light sanitizer is a safe way to reduce 99.9 percent of airborne viruses



In light of the recent global pandemic, finding ways to keep businesses and organizations as germ-free as possible is essential. For those who are seeking cutting-edge sanitization methods, the UVC Wall Mount Unit is revolutionary. Created by Olympia Lighting Inc., UVC Air Disinfecting systems change how we respond to the COVID-19 pandemic.

The air enters the UVC Wall Mount Unit and travels inside the fixture, irradiated by UVC light, hidden away for human eye safety. Disinfected air exits the unit into the room, Virus-free.

The wall-mounted UVC light sanitizer continuously delivers a measured dose of high-powered ultraviolet light to disinfect the surrounding environment. It is a safe way to address the sanitation issues associated with COVID-19. Olympia's UVC LED Wall Unit has been tested and proven to reduce 99.9 percent of airborne viruses, mold, and bacteria, while also being Ozone Free compliant.



Since the UVC light is hidden away from human eyesight, the UVC LED Wall Unit has been deemed safe for an array of public applications and customizable to suit the building's needs in which they are installed. They provide premium sanitation to even the most hard-to-reach areas, making them ideal for high and low-traffic spaces of all kinds.

Additionally, using a UVC Wall Mount Unit also provides users with the following advantages:

- Seamless installation: Unlike other types of UVC lights, which can be bulky, noisy, or otherwise inconvenient, these slim UVC Wall Mount Air Purifiers mount in seconds and plug-in to a nearby wall outlet.
- Multi-use: These UVC lights can be used to get rid of germs, viruses, mold, bacteria, and other pathogens.
- Improve air quality: UVC Wall Mount Units help improve overall indoor air quality. These UVC lights address the root causes of bad air quality, making them ideal for even the dampest and mold-ridden places.

- Hidden away from sight: UVC LED Irradiation is hidden away from human eyesight not to disturb the room's design while still providing the necessary purification.

- 24/7 Operation: All units come with a simple on and off operation for 24/7 operation.

UVC lights stand to revolutionize the healthcare realm, with schools, offices, and other public areas consistently exposed to germs and contagious viruses. By simply installing these UVC wall-mounted devices in various areas, they mitigate the spread of the COVID-19 Virus to others in these public areas. Olympia's UVC Wall Mount Unit is a highly cost-effective alternative to other sanitization methods.

Olympia Lighting manufactures and sells industrial-grade UVC LED Fixtures to the commercial, HVAC, and lighting industry. Olympia Lighting is an industry leader, using top-quality UVC LEDs to ensure they are long-lasting and optimally efficient. Olympia's UVC LED Lights also come with an up to 30,000 hours, 5-Year Manufacturer's Warranty, backed by their Local Service in the USA.

<https://olympialighting.com/uvc-troffer-press-release/>

UVC Troffer Press Release

Olympia Lighting Announces Availability of New UVC Troffers to Minimize the Spread of COVID-19

Olympia's UVC Troffers achieved a 99.9 percent Microbial Reduction!



Olympia Lighting has announced the availability of new UVC troffers. These patent-pending LED troffer light fixtures are designed to help with indoor sanitation. They are perfect for various workplaces, including doctor's offices, hospitals, schools, and more. They help combat the spread of COVID-19 and other infectious diseases, with simple On and Off operations for 24/7 use.

Olympia's UVC troffer easily fits into a standard dropped ceiling grid. It is dimmable and has adjustable power and color temperature (CCT) to match the brightness and color scheme of existing light fixtures.

The air travels inside the fixture and is irradiated by UVC light, which is hidden away for human eye safety.

The pandemic has increased the need for sanitation in every facility. Therefore, the ability to achieve a 99.9 percent Virus Reduction is of paramount importance. Olympia's UVC troffers are a part of that solution, and are coming into mass production right now.

It is well known that UV light can sanitize surfaces. Ultraviolet germicidal irradiation (UVGI) is a disinfection method that uses Ultraviolet C (UV-C) light to inactivate microorganisms by disrupting their DNA. Olympia's UVC light fixtures have been shown to reduce 99.9 percent of bacteria, mold and viruses. Their deployment dramatically slows the spread of diseases by attacking them at the very source, while being hidden away from human eyesight.

UVC troffers are a powerful tool to reduce viruses, bacteria, and mold, and improve the air quality in the room, making a facility safer in the face of a pandemic, and can extend to mitigate future diseases as well.

An independent Microbiological Test Laboratory in the USA tested Olympia's UVC Troffer for a 99.9 percent reduction of viruses, mold and bacteria. Additionally, this UVC Air Purifier is Ozone Free compliant.



Olympia's UVC troffer light fixtures are specifically designed to easily fit into a standard dropped ceiling grid, eliminating the need for new infrastructure making them significantly easier to implement.

Olympia's UVC troffer light fixtures are an innovation on a proven concept that can help fight the pandemic and improve sanitation. The troffer lights empower workplaces to aggressively fight sources of infection without complicated logistics or spiraling new costs. UVC troffer lights are a standing proof that necessity is the mother of invention, and innovative technologies can solve new problems in ways that exceed expectations.

Olympia's UVC Wall Unit & UVC Troffer Tested For A 99.9% Reduction Of Viruses, Mold And Bacteria

UVC cleaning systems are turning the tide in the current COVID-19 pandemic. A wall-mounted UV light sanitizer continuously delivers a measured dose of high-powered ultraviolet light to disinfect the surrounding environment. Olympia's UVC LED Wall Unit and UVC Troffer systems have both been tested and proven to reduce 99.9 percent of airborne viruses, mold and bacteria.

Public applications for UVC cleaning systems

This one technology has multiple applications for public institutions like schools, government facilities, churches, and recreational venues. Instead of these facilities relying on typical janitorial cleaning services, UV light for room disinfection provides enhanced sanitizing of hard-to-reach surfaces and the most commonly touched surfaces in bathrooms, lobbies, classrooms, desks, and equipment.

Olympia's air and surface disinfection solutions can be customized to fit your building's size and occupancy requirements. The following public applications can save time and labor costs on decontaminating multiple areas at the same time. Virus spread is very common in public spaces, and wall unit LED lighting is the solution for this. The Olympia UVC wall unit has been proven to reduce 99.9 percent of viruses, mold and bacteria.



Depending on how big the spaces are, multiple wall-mounted UV light sanitizers may be used for efficient product coverage. Here are some public applications for UVC cleaning systems:

- – Retail facilities
- – Offices and Workspaces
- – Hotels and Casinos
- – Gyms, Spas and Beauty salons
- – Hospitals and Nursing homes
- – Schools and Daycare Centers
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- Olympia's UVC Disinfection Wall Unit offers high CFM to move more air as measured in cubic feet per minute (CFM). Depending on the room size, these products have a CFM rating high enough to continuously disinfect the air.

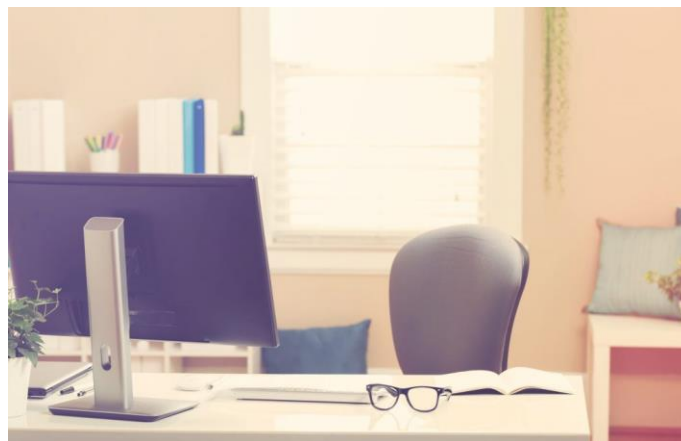
Lay-in LED Troffers Benefit Commercial Facilities

Even the best UVC germicidal lamp won't be of benefit if it distracts from business operations. A lay-in LED UVC light troffer fits seamlessly into existing ceiling grids to blend in with offices, retail, and commercial facilities. In addition to cleaning the air of viruses, Olympia's LED troffer lights have also proven to be 99.9 percent effective on mold and bacteria. Both these types of pathogens can negatively affect the air quality in a commercial facility.

Indoor air quality (IAQ) is reduced in commercial buildings for a number of reasons:

- – Consistently elevated moisture levels or indoor humidity can increase the growth of pathogens
- – Wet walls or leaking roof can lead to mold and bacteria growth
- – Volatile organic compounds (VOCs) that adversely affect the air quality inside buildings
- – Inadequate ventilation can increase indoor pollutant levels

Offer your employees and your customers better indoor air quality by using lay-in LED troffers equipped with the best UVC germicidal lamp.



Medical grade UV light for healthcare facilities

Finally, a medical-grade UV light for healthcare facilities can deliver calculated doses of UVC light with enough power to reduce 99.9 percent of viruses, mold, and bacteria in healthcare settings. Healthcare facility managers agree that medical-grade UV light is an economical choice for improving patient safety and maintaining the reputation of the hospital.

UV light effectively penetrates the physical body of pathogens to destroy bacteria, germs, fungi, and viruses from the inside out. The shorter wavelength of a UVC LED The [CDC recognizes UVC light](#) for the disinfecting and sanitizing of healthcare facilities and for [infection control within healthcare facilities](#).

Takeaways

- Olympia's LED Troffer light fixtures have also proven to be 99.9 percent effective on mold and bacteria.
- The CDC recognizes UVC light for the disinfecting and sanitizing of healthcare facilities.
- Olympia's air and surface disinfection solutions are customized to fit your building's size and occupancy requirements

Consider [Olympia UVC light systems](#) for control bacteria, mold, and fungus within your facility along with the eradication of the coronavirus, and many other harmful pathogens.