



# Keeping Students & Teachers Safe

With our bio-lab tested UV-C LED-based fixtures



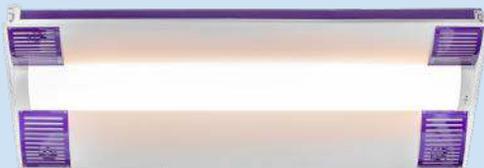
## Today's School Administrators Face Many Challenges

From grades K-12 to colleges and universities, educational institutions are struggling to create a safe enough environment to continue with in-classroom learning. Working parents without in-home childcare are stuck with the difficult decision to send their kid(s) to school or keep them home. We now know that, along with disinfecting high-touch surfaces, being able to clean viruses from the air in classrooms, hallways, and lunchrooms is essential to solving this monumental issue and reopening schools across the nation (world) faster.

### UV-C Inactivates Airborne Illness in Schools

At UV Health Group, our scientists and engineers have developed the **SafeAirUV™** System, a UV-C LED-based platform to conquer the challenges of removing COVID-19 and other viruses from the air, specifically in rooms occupied with people.

Both the **Confidence™ LED** and **Assurance™ SafeAirUV™** Systems are designed to continuously cycle room air through a sealed, UV-C LED lights-filled chamber, inactivating virtually all viruses, while performing multiple room air changes per hour. These fixtures can be hung or mounted and are perfect for essential gathering places -- and with the additional benefit of eradicating viruses that cause seasonal flu and the common cold.



# The Most Powerful Germicidal Wavelength

Compared to other solutions, we use the most powerful wavelength of germicidal UV-C -- 275nm (20% more effective germicidal wavelength than 254nm UV-C from mercury-vapor bulbs).

Additionally, our beautiful LED downlighting from Confidence™ LED Lighting solutions offer circadian settings, helping increase student productivity (offering cool light in the afternoon, for example, which has been proven to increase brain function).

*Our systems have been tested with live SARS-CoV-2 aerosolized virus (the cause of COVID-19) at the **University of Missouri's Infectious Disease Lab** - a Level III national bio-lab. **On top of a 99.9996% efficacy rate, results showed that the SafeAirUV™ System “inactivated the virus to below a detectable amount,”** per Dr. Paul Anderson.*

We get it, schools serve many constituent groups: parents, teachers, staff, state boards of education, teachers unions, and students – with everyone wanting schools to re-open in the safest ways possible – a tough job, to be sure. But we are here to help.

## **How many fixtures does the average classroom need to be considered safe?**

The CDC suggests multiple air changes per hour in classrooms. Properly placed Confidence™ and Assurance™ fixtures can meet these requirements with additional adjustments to the fan speed to achieve your individual room “air-change” goals. An average 800 sq.ft. classroom should utilize 4-6 SafeAirUV fixtures.



## Why do I need this? Can't I just open more windows?

Schools are being inundated with a variety of solutions for cleansing classroom air that are only partially effective for a number of reasons.

### Other Solutions

*Opening Windows*

### Important Considerations

Doesn't circulate air frequently enough; not viable during cold temperatures, and many windows can't be opened.

*Hepa Filters*

A HEPA filter cannot capture particles smaller than .3 microns and SARS-CoV-2 virus (COVID-19) can capture much smaller particles (.004 microns) which pass through HEPA filters.

*HVAC Adjustments*

HVAC systems don't affect the most critical air around people's faces and most HVAC systems will drag "infected air" across others on the way out of the room.

*Portable Air Purifiers*

There is no direct scientific evidence or testing that demonstrates the effectiveness of portable air cleaners in reducing COVID-19 transmission. And most are based on mercury-vapor UV-C bulbs and/or HEPA filters which need to be changed often and are hazardous to handle, expensive, and bad for the environment.

*Cleaning Robots*

These robots require rooms to be uninhabited and only serve to ensure non-shadowed surfaces and air are clean when the robot completes its duties. The first infected person who enters the room invalidates the entire robot cleaning.

*Far UV-C Lights*

While 222nm UV-C technology has been proven to kill pathogens over time, more testing is needed with humans to better understand long-term effects on eyes and skin tissue, only limited human testing has been performed using 222nm UV-C.

*COVID Vaccines*

It has yet to be proven that vaccines will stop the transmission of viruses and doesn't take into account other virus mutations, un-vaccinated people or future pandemics.



## Ready for Cleaner Air at Your School?

Reach out to UV Health Group to get a briefing and an estimate.

**CALL:** 503-597-8504 OR **VISIT:** <https://uvhealthgroup.com>