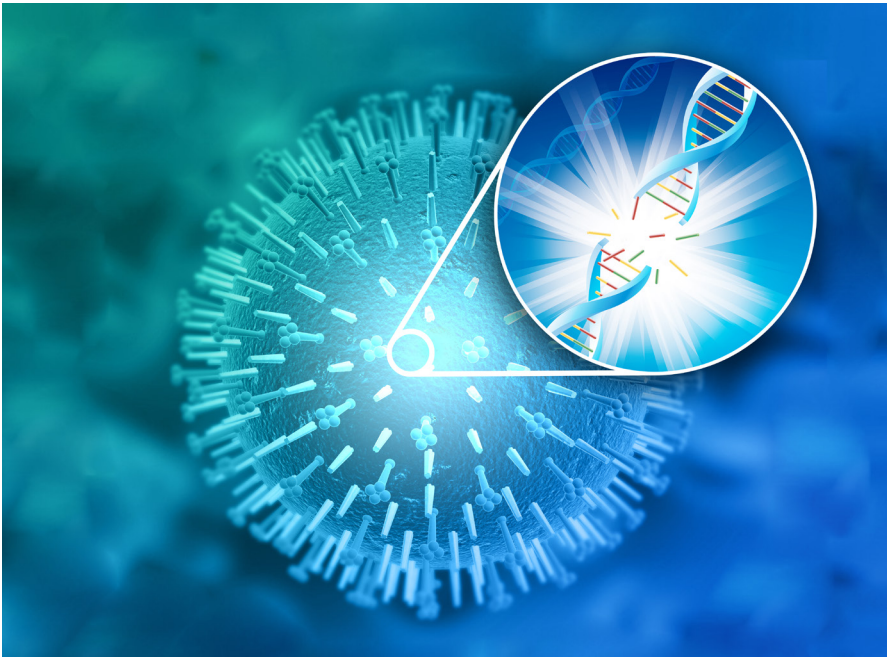


# Why Ultraviolet C?

Ultraviolet C has been in wide use for over 80 years and is proven to be safe, clinically effective, and economically beneficial.

## BENEFITS:

- Neutralize viruses, bacteria, and mold in the air and on surfaces safely and effectively.
- Produce no ozone or other harmful by products.
- Mitigate outbreaks in highly-populated areas of buildings with upper-air applications.
- Use surface disinfection units for emergency cleaning or for regular cleanings.
- Save on HVAC energy costs with the return on investment in 5 years or less.
- Reduce building HVAC maintenance costs significantly.



UVC germicidal light energy is generated at a 254 nm, a wavelength that disrupts the DNA of infectious pathogens, rendering the cell incapable of reproduction, colonization, or harm to humans.

Ultraviolet C is effective in a wide variety of building types such as Healthcare, Government, Educational, Transportation, Corrections, Food Manufacturing, Restaurants, and Retail.



It is not an exaggeration to claim that the most effective, evidence-based, cost-effective, safe and available engineering intervention to disinfect air is being largely ignored during a lethal viral pandemic spread predominantly by the airborne route. That intervention is germicidal ultraviolet (GUV) air disinfection.



- Edward Nardell, Professor at the Harvard T.H. Chan School of Public Health

*"Air Disinfection for Airborne Infection Control with a Focus on COVID-19: Why Germicidal UV is Essential", published March 23, 2021.*



Neutralizes and eliminates the infectious airborne pathogens that cause respiratory illness and disease.



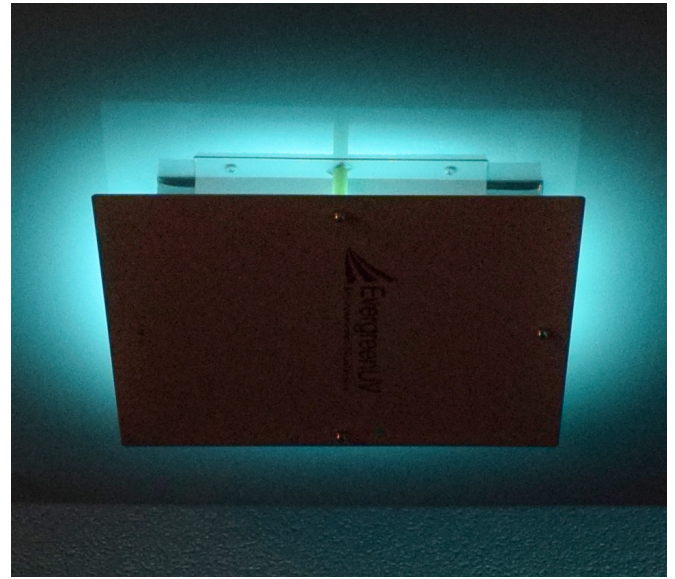
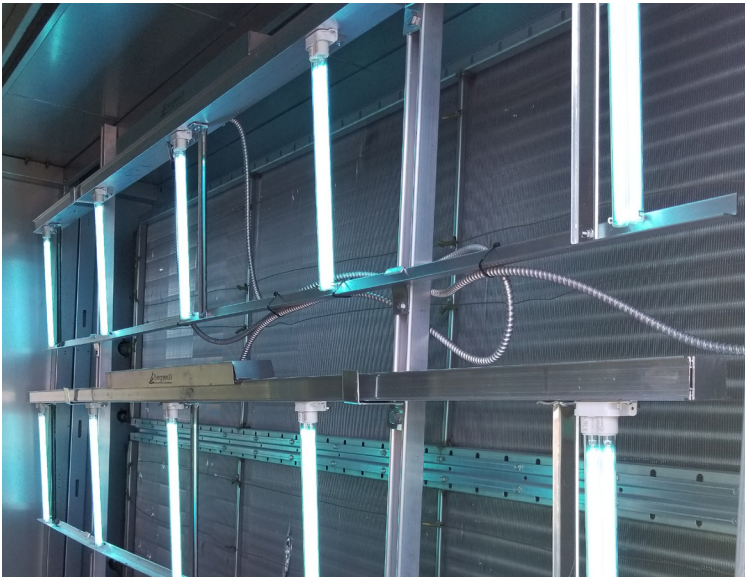
Enables everyday customers to achieve 99.9% cleaner surfaces in a matter of minutes.



Works 24/7 to keep air free and clear of airborne contaminants.

# Why Ultraviolet C from Lumalier?

Lumalier, a USA based manufacturing company, has been a world leader in the UVC industry for over 50 years.



## Lumalier UVC solutions:

- Provide up to a 99%+ pathogen reduction rate for pathogens such as: COVID-19, Staph, Legionella, and TB.
- Feature high levels of systems reliability and very low ongoing energy and maintenance costs.
- Use high quality U.S. and European sourced components.
- Use open source UVC bulbs which helps attain lower total cost of ownership and higher levels of product quality and safety in product use.
- Deliver better customer value and a long, reliable performance resulting in the decrease of total cost of ownership from:
  - *cost saving use of non-proprietary, replacement lamps;*
  - *ease and speed of initial installation;*
  - *ease of maintenance; and*
  - *modularity that allows for potential future product enhancements or innovations.*

**Solutions that are always client driven and science based.**

At Lumalier, we provide a holistic approach to the UVC needs of any facility, and we have high production capabilities, with four manufacturing facilities and 400+ employees. We evaluate each application and desired pathogen reduction level for the space to determine the best solutions.

Lumalier retains its own in-house installation team for true “turn-key” installations and will both train and partner with its own Lumalier Authorized Distributors. We are active in ASHRAE and its related Standards Boards to help us continue to innovate to better serve our clients.