

# Why Ultraviolet C?

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

## Benefits

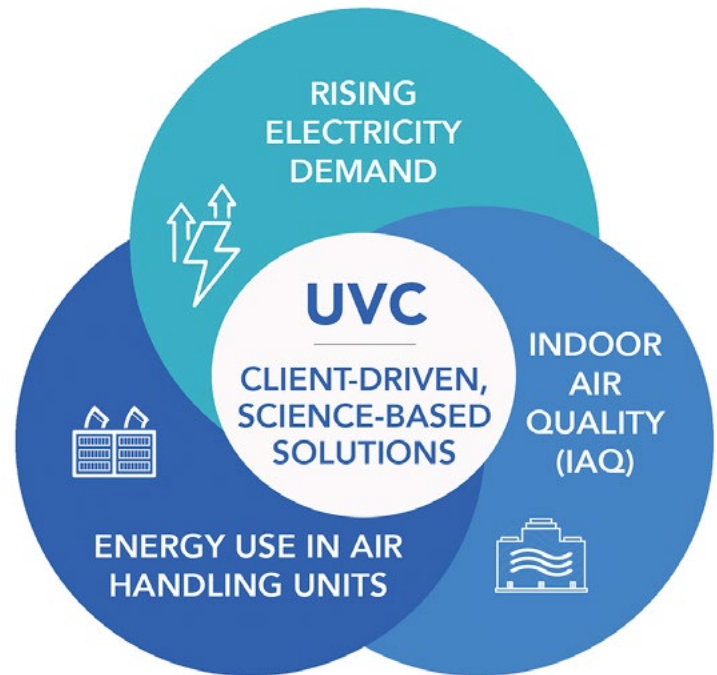
### Enhance AHU Efficiency

Installing in-duct/in-AHU UVC systems improves airflow and coil cleanliness.

- Increase system performance
- Reduce energy consumption
- Lower maintenance costs

### Improve Indoor Air Quality

A layered UVC approach, combining in-duct/in-AHU systems with upper-air UVC, helps to safely and effectively provide cleaner, healthier indoor air.



Mitigates and neutralizes the infectious airborne pathogens that can cause respiratory illness and disease.



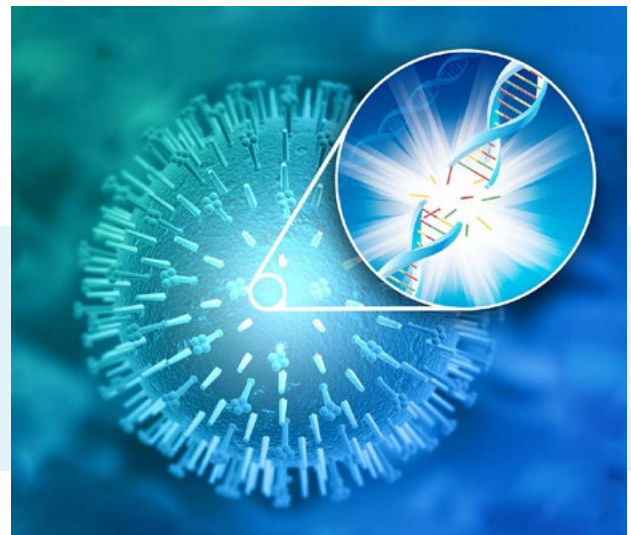
Achieve up to 99.9% cleaner coil surfaces.



Works 24/7 to help mitigate the presence of airborne contaminants.

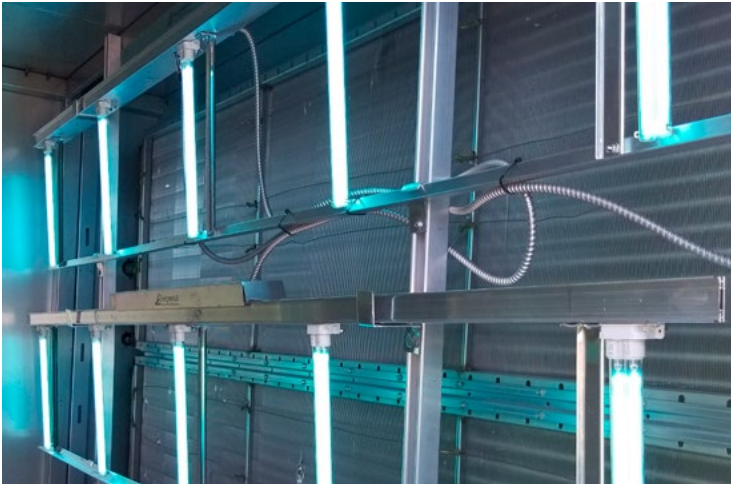
Ultraviolet C is effective in a wide variety of building types such as healthcare, government, educational, transportation, corrections, food manufacturing, restaurants, and retail.

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



# Why Ultraviolet C from Lumalier?

Lumalier, a USA-based manufacturing company, has been a world leader in the UVC industry for over 60 years.



## Lumalier UVC Solutions

- 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 help 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 a decrease in total cost of ownership from:
  - Cost saving use of non-proprietary, replacement lamps
  - Ease and speed of initial installation
  - Ease of maintenance
  - 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. We evaluate each application and desired pathogen reduction level for the space to determine the best solutions.

Lumalier retains its own in-house 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.