

Why Retrofit UV-C in Your Building?

Carbon Footprint. Energy Consumption. Indoor Air Quality.

Lumalier products are specifically engineered for retrofitting into existing AHUs and are designed for ease of installation.

UVC fixtures are an effective way to inactivate harmful pathogens in a building's air handling system, while also helping to lower a building's carbon footprint and energy consumption.

We have years of experience in turnkey retrofit installations and can provide solutions that benefit each specific application and project requirement.

Benefits include:

- Inactivates pathogens and aids in providing improved indoor air quality (IAQ).
- Aids in reduction of sick days/absenteeism by improving IAQ.
- Eliminates insulating biofilm to improve heat exchange and air flow, which has been proven to reduce AHU energy consumption by up to 20%.
- Reduces AHU workload, improves efficiencies, and increases equipment life.
- Eliminates biological growth on coils and in the drain pan that can cause coil fouling and odors.
- Achieves a measurable return on investment (ROI) within one to three years. (Based on usage and energy costs.)
- Provides a key component of HVAC Reliability Centered Maintenance (RCM).

“The use of UVGI in the vicinity of cooling coils has the additional benefit of improving heat transfer and more efficient equipment operation.”

“Building Retrofits for Increased Protection Against Airborne Chemical and Biological Releases”

2007 EPA Report, Pg. 57

How Do Lumalier AR Fixtures Make It Easy to Retrofit UV-C?



1. Water-proof Electrical Quick-connects

Metal-clad, three-pin modular quick-connects permit fast, easy, installation of any size AR fixture, substantially reducing electrical contractor costs.

2. Accessible Ballasts & Sustainable Lamps

Lumalier's UVC ballasts mount directly to the Unistrut to reduce heat, improve product life, and are enclosed in an easily removable ballast cover for simple maintenance. Lumalier's use of non-proprietary lamps provide a more sustainable lamp replacement cost and availability.

3. Metal-clad Wiring and Connectors

No wire coverings, rubber, plastic, or other degradable within the AHU; meets all local, state and national codes.

4. 'Boxed I-beam' Aluminum Unistrut Extrusion Construction

Horizontal and vertical adjustable support and lamp structures are rated to support more than 2000 lb. / in².

5. AR Fixtures are Scalable to Custom-fit into Any Size AHU

AR (Adjustable Rack) lamp bars are vertically adjustable to center on cooling coils, and horizontally adjustable to avoid motors and other obstacles. Available two to ten lamps wide; one to four rows high, perfectly sized to any AHU.