

LENNOX® INDOOR AIR QUALITY SYSTEMS
UVC GERMICIDAL LIGHTS



KEEPING YOUR WORKSPACE COMFORTABLE, CLEAN AND SAFE





OPTIMAL PRODUCTIVITY STARTS WITH IDEAL AIR QUALITY

Improve safety and overall indoor air quality with UVC germicidal light kits from Lennox. Specifically designed for each unit's coil and wet surfaces, each kit is optimized for performance and simple installation and maintenance. The UVC light's intense rays dramatically reduce concentrations of potentially harmful microorganisms on wet surfaces, which helps create an improved working environment as well as higher-quality indoor air for occupants.

- Approximately 50% of illnesses are either caused by or aggravated by poor indoor air quality¹
- The average American spends 90% of their time indoors²



Example of UVC kit installed on Emperence rooftop unit

UVC Germicidal Lights at a glance:

Increase efficiency by keeping your heating and cooling equipment clear of mold and organic buildup

Prolong equipment life by eliminating biological contaminants like some viruses, mold and bacteria from coils and drain pan surfaces

Reduce costly manual labor and chemical cleaning of mold and bacterial growth from coils

Improve safety and overall effectiveness with UVC light kits specifically designed for each coil surface, reducing exposure of light on other components and service access areas

Choose UVC lights with zero ozone emissions

Warranty

5-Year Limited Warranty
on all covered components in residential installations

1-Year Limited Warranty
on all covered components in non-residential installations

See warranty certificate for actual details.

Minimizing bacteria's impact while maximizing efficiency

UVC germicidal lamps keep the coil clean by greatly reducing the microbial growth on coil surfaces.³ Clean coils result in lower pressure drop and improved heat transfer, with an increase in system thermal efficiency up to 25%. The energy savings can be significant, with up to a two-year payback possible.⁴ UVC lights also help prevent and eliminate unpleasant odors caused by microbial growth in wet coils. For further performance and IAQ enhancement of the heating and cooling system, use UVC lights in conjunction with MERV 13 or higher filtration.

Long and effective experience creating safer work environments

For more than 70 years, tens of thousands of UVC germicidal lights have been safely installed in a variety of commercial facilities around the world, including:

- Hospitals and clinics
- Processing plants
- Commercial offices
- Manufacturing sites

Built with you in mind

Lennox® UVC light kits are engineered to optimize installation speed and effectiveness on each of the products to which they are applied. Intuitively designed attachment hardware, mounting brackets and pre-drilled mounting holes all make installation convenient and easy.

¹American Academy of Allergy, Asthma and Immunology

²U.S. Environmental Protection Agency

³Morton H. Blatt, "Ultraviolet light for coil cleaning in schools," Engineered Systems, March 2004.

⁴Ross D. Montgomery, "Study verifies coil cleaning saves energy," ASHRAE Journal, November 2006.

UVC GERMICIDAL LIGHT KITS

UVC light kits come as field-installed kits on Energence® and Landmark® rooftop units as well as 3- to 20-ton split systems. Each Healthy Climate® UVC light kit is specifically designed for a Lennox unit.

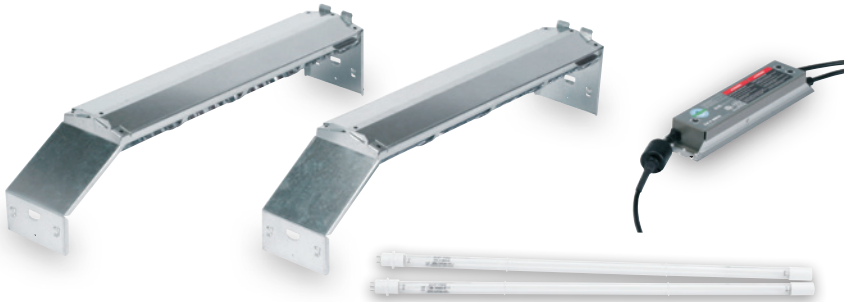
This provides safe and effective installation and operation by allowing the appropriate amount of light to be directed only to the desired areas at the optimal mounting distance and intensity level.

All UVC kits include:

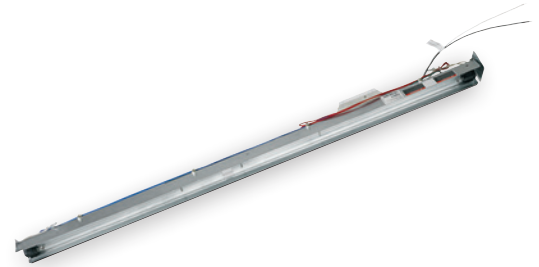
- Lamp mounting assembly/s
- UVC ballast/s
- UVC bulbs
- All required wiring and connections



ENERGENCE
Saving Energy with Intelligence



Elite® field-installed UVC kit



Energence and Landmark rooftop unit UVC kit

PRODUCT SPECIFICATIONS

Tonnage	Model	UVC Lamp Assembly L x W x H [inches]	UVC Lamp Wattage [w]	Number of Ballasts	Installation
Energence® Rooftop Units					
3-6 ton	C1UVCL10AN1	40.75 x 2 x 2.75	51	1	Field-installed kits
7.5-12.5 ton	C1UVCL10B-1	37 x 4.5 x 4.5	55	1	Field-installed kits
13-25 ton	C1UVCL10C-1	49 x 3 x 4.5	75	1	Field-installed kits
Landmark® Rooftop Units					
2-7.5 ton	C1UVCL10AN1	40.75 x 2 x 2.75	51	1	Field-installed kits
7.5-12.5 ton	C1UVCL10B-1	37 x 4.5 x 4.5	55	1	Field-installed kits
15-25 ton	C1UVCL10C-1	49 x 3 x 4.5	75	1	Field-installed kits
Split System Air Handlers					
3 ton	UVC-24V	18.25 x 2.25 x 3.375	24	1	Field-installed kits
4-5 ton	UVC-41W-S	18.25 x 2.75 x 2.58	41	1	Field-installed kits
	UVC-41W-D	18.25 x 2.75 x 7.773	41 x 2*		
6-7.5 ton	T2UVCL10LM1	28 x 5.25 x 7.25	60 x 2*	1	Field-installed kits
10-12.5 ton	T2UVCL10LM1	28 x 5.25 x 7.25	60 x 2*	1	Field-installed kits
15-20 ton	T2UVCL10N-1	28 x 5.25 x 7.25	60 x 3*	2	Field-installed kits

*Indicates the number of lamps included in the installation kits.

Lamps operate on 110-230V single-phase power supply. Step-down transformer may be ordered separately for 460V and 575V units. Alternatively, 110V power supply may be used to directly power the UVC ballast(s).

UVC LIGHTS CONTAIN MERCURY. Manage in accordance with disposal laws. Refer to www.lamprecycle.com.org or call 1-800-9-LENNOX.

Note: Due to Lennox' ongoing commitment to quality all specifications and ratings are subject to change.

SOLUTIONS FOR CUSTOMIZED COMFORT

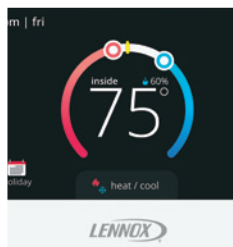
Don't just choose a Lennox product – choose a Lennox® Commercial Comfort System.

These complete packages of HVAC solutions provide tools to create a healthy and comfortable environment.



PACKAGED UNITS

- Emergence® Rooftop Units
- Landmark® Rooftop Units
- Raider® Rooftop Units
- Accessories



COMMERCIAL CONTROLS

- Systems Integration Solutions
- Commercial Thermostats and Sensors



VRF

- Outdoor Units
- Indoor Units
- Controls
- Accessories



MINI-SPLIT SYSTEMS

- Heat Pump Mini-Splits
- Low Ambient Heat Pump Mini-Splits
- Indoor Units
- Controls



HEATING

- Unit Heaters
- Duct Furnaces
- Furnaces



INDOOR AIR QUALITY

- Dedicated Outdoor Air System™
- Humiditrol® Dehumidification System
- Demand Control Ventilation
- High Efficiency MERV Filters
- UVC Lamps



SPLIT SYSTEMS

- Elite® Series Large and Small Split Systems
- Merit® Series Heat Pumps
- T-Class™ Air Conditioners
- Air Handlers
- Indoor Coils

