

# INDOOR AIR QUALITY SYSTEMS

UVC Germicidal Lights

Keeping your workspace  
comfortable, clean and safe



**LENNOX**

*Innovation never felt so good.™*



## 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 quality<sup>1</sup>
- The average American spends 90% of their time indoors<sup>2</sup>

### **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 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, a known lung irritant*



*Factory-installed UVC kit on Energence® rooftop unit*

### **Minimizing bacteria's impact while maximizing efficiency**

UVC germicidal lamps keep the coil clean by greatly reducing the microbial growth on coil surfaces<sup>3</sup>. 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.<sup>4</sup> 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.

### **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.

<sup>1</sup>American Academy of Allergy, Asthma and Immunology

<sup>2</sup>U.S. Environmental Protection Agency

<sup>3</sup>Morton H. Blatt, "Ultraviolet light for coil cleaning in schools," *Engineered Systems*, March 2004.

<sup>4</sup>Ross D. Montgomery, "Study verifies coil cleaning saves energy," *ASHRAE Journal*, November 2006.

# UVC GERMICIDAL LIGHT KITS

UVC light kits come either factory-installed on Energence® rooftop units or as field-installed kits on Landmark® rooftop units and 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



TAA field-installed UVC kit



Energence® rooftop unit and Landmark® rooftop unit UVC kit

## PRODUCT SPECIFICATIONS

Tonnage	Model	UVC Bulb Dimension	UVC Lamp Wattage [w]	Number of Ballasts	Installation
<b>Energence® Rooftop Units</b>					
3–6 Ton	C1UVCL10AN1	[1] 30" L X 0.75" DIA.	50	1	Factory- or field-installed kits
7.5–12.5 Ton	C1UVCL10B-1	[1] 36" L X 1" DIA.	55	1	Factory- or field-installed kits
13–25 Ton	C1UVCL10C-1	[1] 48" L X 1" DIA.	75	1	Factory- or field-installed kits
<b>Landmark® Rooftop Units</b>					
2–7.5 Ton	C1UVCL10AN1	[1] 30" L X 0.75" DIA.	50	1	Field-installed kits
7.5–12.5 Ton	C1UVCL10B-1	[1] 36" L X 1" DIA.	55	1	Field-installed kits
15–25 Ton	C1UVCL10C-1	[1] 48" L X 1" DIA.	75	1	Field-installed kits
<b>Split System Air Handlers</b>					
3 ton	UVC-24V	[1] 16" L X 0.63" DIA.	22	1	Field-installed kits
4–5 ton	UVC-41W-S UVC-41W-D	[1] 16" L X 0.63" DIA. [2] 16" L X 0.63" DIA.	22 22 X 2	1	Field-installed kits
6–7.5 ton	T2UVCL10LM1–	[2] 24" L X 0.63" DIA.	60 X 2	1	Field-installed kits
10–12.5 ton	T2UVCL10LM1–	[2] 24" L X 0.63" DIA.	60 X 2	1	Field-installed kits
15–20 ton	T2UVCL10N–1–	[3] 24" L X 0.63" DIA.	60 X 3	2	Field-installed 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](http://www.lamprecycle.com.org) or call 1-800-9-LENNOX.

# 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

- Strategos® Rooftop Units
- Emergence® Rooftop Units
- Landmark® Rooftop Units

## Split Systems

- S-Class™ Air Conditioners/  
Heat Pumps
- T-Class™ Air Conditioners/  
Heat Pumps
- Air Handlers
- Indoor Coils

## Heating

- T-Class Unit Heaters
- Unit Heaters
- Duct Furnaces
- Furnaces

## Commercial Controls

- Prodigy® Control System
- L Connection® Network
- Systems Integration Solutions
- Commercial Thermostats

## Indoor Air Quality

- Humiditrol®  
Dehumidification System
- Demand Control Ventilation
- Energy Recovery Ventilators/  
Systems
- Air Filters
- UVC Germicidal Lights

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