

# Ultraviolet Germicidal Lights



Turn to the Experts.™



Performance  
SERIES

Enjoy Fresher, Cleaner Indoor Air

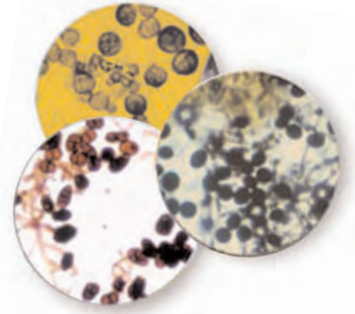
# Things to Consider Before You Buy

## Comfort

Today's homes are designed to do an excellent job of sealing in heated and cooled air to improve energy efficiency. Unfortunately, these tight homes also trap contaminants that you don't want inside – mold, bacteria, viruses, fungi, dust and other pollutants that can seriously affect your home's comfort and cleanliness. Carrier offers an excellent solution for reducing many of these pollutants, leaving your home with cleaner, fresher, indoor air – the Carrier® Ultraviolet Germicidal Light (UV Light).

Your indoor comfort system can be affected as well. Dust, dirt, mold and other substances can build up on heating and cooling components. Ridding your home of these irritants is important because every time the system runs, it can circulate them throughout the house. And, if they accumulate on the indoor coil, the efficiency of your heating and cooling system can be reduced.

Designed to work with new and existing systems, the Carrier UV Light offers protection for you and your home by reducing the amount of many of these unwanted pollutants.



*Molds can cause flare-ups of allergy symptoms and in some cases, trigger asthma attacks. Bacteria, viruses and germs also can reside in the air you breathe every day.*

## Air Cleaners and UV Lights

Air Cleaners improve indoor air quality by trapping airborne pollutants. The Carrier UV Light actually destroys microbial growth on the coil. The Carrier UV Light unit is mounted inside your system, near the indoor coil, where fungus and microbes may grow. The UV Light works to clean the coil and prevent the growth of fungus on and around the coil by destroying the DNA of the fungus to kill or deactivate it. As a result, when the Carrier UV Light is used in conjunction with a Carrier high-efficiency air cleaner, the conditioned air circulating through your home is cleaner and fresher, while the inside of your system stays cleaner for maximum efficiency and performance.



*A thin build-up of pollutants on your system's indoor coil, just two-thousandths of an inch thick, can reduce airflow by as much as nine percent\*. Carrier's UV Light can clean the coil and virtually eliminate additional build-up.*

## Technology

Ultraviolet light has been used successfully for many years as a sterilization agent in medical and food processing applications. Now, Carrier has adapted this technology for use in home comfort systems. The UV Light is reliable, non-toxic, and safe – similar to lights used in tanning beds – and, it has been designed for use in new or existing systems. Once activated, the ultraviolet light goes to work right away, cleaning the indoor coil and the air that passes through the system. The Carrier UV Light requires very little maintenance. Just replace the lamp once a year and enjoy enhanced indoor air quality.

\* Estimate reduction based on hypothetical build-up on typical coil. Reduction may vary based on actual coil and system size and characteristics.

## Efficiency

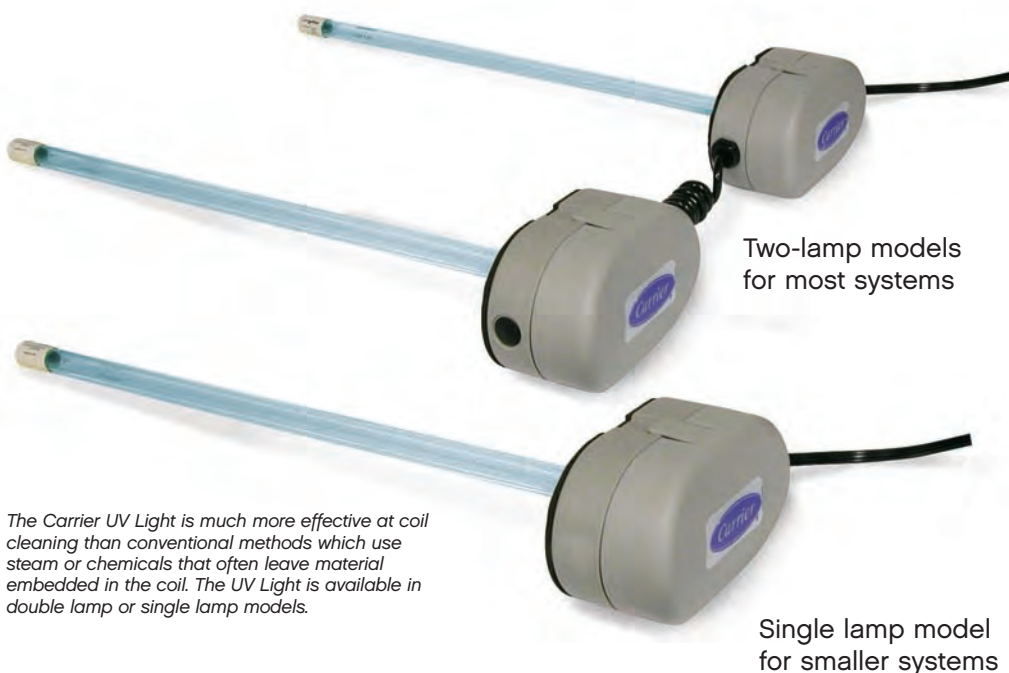
The Carrier® UV Light keeps your indoor air cleaner and more refreshed with the efficiency of a 75-watt light bulb. Because it keeps the indoor coil clean, you can expect years of top energy efficiency, capacity and lasting operation with minimal maintenance. Best of all, you can relax, knowing that you've made the choice for improved air quality inside your home, backed by the most trusted name in comfort – Carrier.

## Features and Benefits

Carrier's UV Light lets you enjoy...

- Cleaner, fresher air when used in conjunction with a Carrier high-efficiency air cleaner, as the ultraviolet light waves reduce the amount of molds, fungi, bacteria, and other pollutants.
- Peace of mind that comes with proven technology. The UV Light is not only effective, it's safe and energy-efficient as well.
- Low maintenance and no cleaning required, just replace the lamps once a year.

The Carrier UV Light uses shortwave UV-C ultraviolet light to kill bacteria, mold, viruses and other micro-organisms on and around the indoor coil.



*The Carrier UV Light is much more effective at coil cleaning than conventional methods which use steam or chemicals that often leave material embedded in the coil. The UV Light is available in double lamp or single lamp models.*

## Limited Warranty

To the original owner, the Carrier UV Light is covered by a five-year parts limited warranty. The lamps, which are to be replaced yearly, are backed by a 90-day limited warranty. See warranty certificate at [carrier.com](http://carrier.com) for complete details. Ask your Carrier dealer about optional extended warranties, which may include labor.

## Comparing Performance

Carrier UV Lights are designed to apply a chronic dose of ultraviolet energy that kills 99.9% of the target organism(s). The dose applied by an UV-C lamp is a function of the lamp output, the intensity factor, and time.

UV Lights from Carrier provide more output and therefore, increase germicidal capacity better than many other brands. While all UV bulbs lose intensity over time, the bulbs used in Carrier UV Lights are less subject to degradation, and are optimized to operate at temperatures which are most conducive to biological growth. In addition, other UV devices may attempt to treat contaminants in a "fly-by" process. The problem with "fly-by" control is that germicidal capability is much lower because of a very limited exposure time. Some UV bulbs are offered in 24-volt models from other manufacturers. Although 24-volt UV devices may be less expensive, the lower output results in lower performance, and a much more rapid degradation. You may also find UV-PCO devices from other manufacturers. These devices produce harmful hydroxyl radicals. By selecting Carrier UV Lights, you can be assured of optimum performance, reliability and safe operation.





## Turn to the Experts

Willis Carrier invented air conditioning in 1902. Over 100 years later, we're proud to say Carrier® systems are trusted in more homes than any other brand.

Carrier continues to be on the forefront of innovative engineering and unsurpassed standards of excellence. So when choosing a home comfort system, you'll want to turn to the experts. Your Carrier dealer will evaluate your home, such as window placement and size, ductwork, other structural specifics and lifestyle to provide a customized indoor comfort plan designed specifically for you. And when you have an expert helping you make an educated decision, you're going to feel more comfortable.



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