



Using UV lights for improved Indoor Air Quality.

Types of HVAC UV Lights

There are two types of UV lights for HVAC systems.

- Coil Sterilization – A “stick type” light installed inside the return air duct that sterilizes the air handler coil. A coil sterilization UV light runs 24/7 and is the most common type of HVAC UV light. It is also most reasonably priced.
- Air Sterilization – A complete UV light unit that sterilizes moving air. The UV light unit is installed in the return air duct and cycles on with the air handler blower.

Studies Prove Effectiveness

Two studies point to the effectiveness of UV light in killing mold and bacteria, one in hospitals and the other in a commercial HVAC system.

- [Ultraviolet Light Effective in Hospital Infection Control](#) – In 2012, Researchers at Duke University Medical Center used ultraviolet radiation (UV-C) to nearly eliminate drug-resistant bacteria in 50 hospital rooms, reducing the number of bacteria by more than 97%.
- [Effectiveness of Germicidal UV Radiation for Reducing Fungal Contamination within Air-Handling Units](#) – In this commercial office building, and after 4 months of operation, “the fungal levels following UV operation were significantly lower than the levels in control AHUs (air handler units).”

This information taken from the following website;

<https://housesogreen.com/2014/07/hvac-uv-lights-for-ac-systems-do-they-work/>