



Frequently asked questions about the UV Angel Air

- ✓ UV Angel Air has 50 CFM air flow per minute through the UV chamber
- ✓ UV lamp life 9000 hours (or 1 year)
- ✓ UV lamp is running 24/7/365 at 27 watts of UV-C energy at a wavelength of 254 nanometers this is ideal wavelength to neutralize microorganisms by inactivating their DNA
- ✓ UV Angel Air has been tested to under 40 decibels
- ✓ UV Angel Air device is produced in an EPA registered facility and meets the EPA labeling requirements of 40 CFR 156
- ✓ The standard Kelvin temperature for UV Angel Air is 4000K (3,000k, 3,500k, 5,000k LED options are also available upon request)
- ✓ The UV chamber and fans consume approximately 120 watts.
- ✓ Total system wattage is about 170 watts for UV Angel Air including the LED downlight. By comparison, a standard 4 lamp T8 fluorescent fixture consumes about 120 watts.
- ✓ The UV lamp is not designed as a lumen-producing lamp and is not visible during operation.
- ✓ The UV Angel Air comes with a 5-year warranty on Aluminum body, IC board, light panel system, drivers & ballast; 2-year warrant on LV power supply and lamp holder; 1-year warranty on all other components

Understanding Coverage Area

The UV Angel is covering roughly 100 sq. feet or 800 cu ft of space per fixture In doing so air passes through the UV treatment chamber about every .7 seconds which is equivalent to about 84,000 air cycles in a 24-hour period. In a standard 100 square foot room with 8 ft ceilings the UV Angel will be producing 50 CFM of air flow, equivalent to about 3.75 air exchanges for the installed space.

Electrical Requirements

UV Chamber

Input Voltage: 120-277 VAC
Power Ratings: 120 VAC @ 1.1 Amps
277 VAC @ .46 Amps

LED Lighting

Input Voltage: 120-277 VAC
Power Ratings: 120 @ .52 Amps
277 @ .23 Amps

Understanding the electrical component for the UV Angel Air Installation

Most light fixtures today are rated for 120v through 277v, the UV Angel Air is rated for both as well. Typically, 277v is found in industrial and commercial buildings, and is less expensive initially to install as you can use longer runs with less voltage drop and install more fixtures on a single circuit.

For example, the UV Angel requires 95 watts for the UV fan and 50 watts for the LED down-light for a total of 145 watts per fixture

- At 120v the UV Angel max draw is 1.21 amps
- At 277v the UV Angel max draw is .53 amps

So, on a single 120v circuit you can install approximately (13) UV Angel fixtures and on a single 277v circuit you can install approximately (29) UV Angel fixtures.

Since the installs are connecting to an existing system the voltage 120 or 277 have little to no cost impact.