AIR FLOW GUV

DATE	PROJECT	FIRM	TYPE

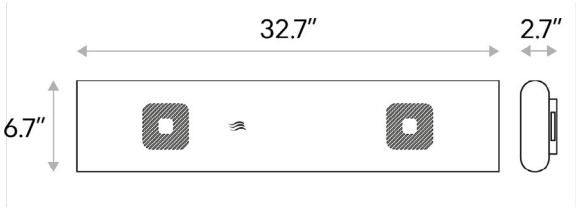
Sterilizes the air using UV-C tubes with properties against bacteria, fungi and viruses. This product is safe and effective against microorganisms.

FEATURES

- Air Sterilization in the Presence of Humans (No Exposed UV-C)
- Forced Ventilation system that Purifies Contaminated Air
- Whisper Quiet at 1 Sone/40dB
- 120V with Standard IEC Power Cable
- I,060 Cubic Feet Per Hour
- Continuous Airflow
- Wall or Ceiling Mountable
- Maximum Germicidal Effect (253.7nm)
- 1 Year Warranty
- IP20 Rated

APPLICATIONS	Classrooms, Hotels, Healthcare, Gyms, Residential Areas
CONSTRUCTION	Aluminum Profile
WARRANTY	1 Year,

EXTRUSION DIMENSIONS



ORDERING

1	2	3

1 - FIXTURE ID

AF GUV

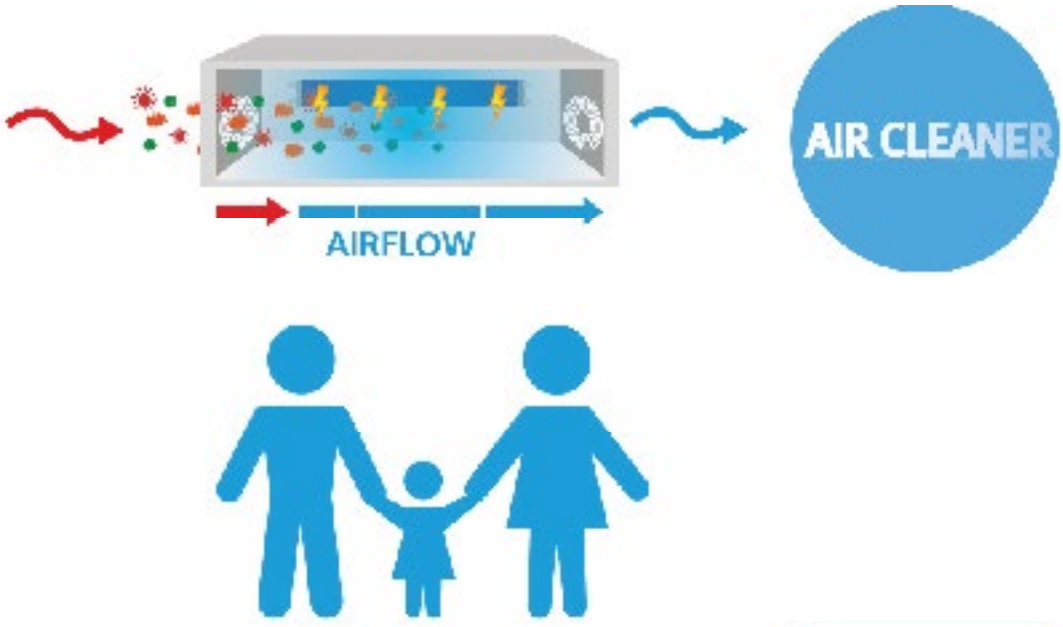
2 - MOUNTING

C - Ceiling
W - Wall

3 - MOUNTING

CP - Cord and Plug
CP+S - Cord and Plug with Switch

DISINFECTION MODE



updated: 12/7/2021

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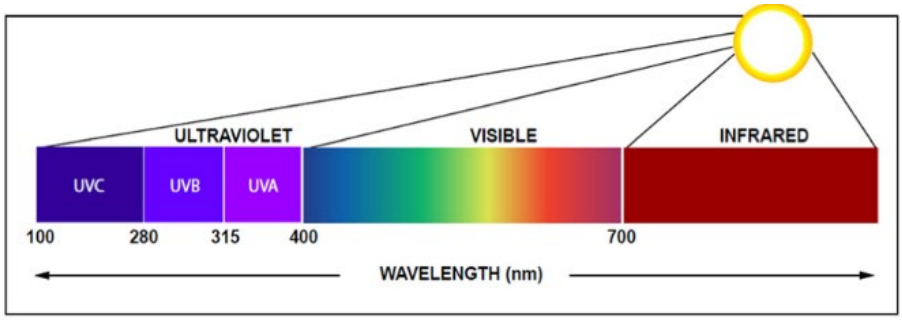
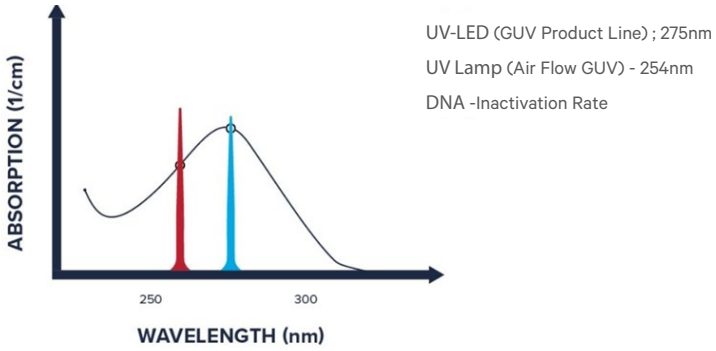
UV-C Lighting

Coronet integrates UV-C fluorescent lighting at 254 nanometers (nm) into our Air Flow product to combat virus and bacteria in a space. UVC wavelengths can break the bonds in the DNA and RNA of viruses and bacteria making them unable to multiply and inactivating them. As the light directly affects the DNA/RNA of the organism, it works on drug resistant strains of viruses and bacteria; this technology has been used in hospitals since the 1940's. There are three bands of UV lighting; UVC, when used in upper air applications, is the most effective, safest solution.



There is an 'Action Curve' that determines how effective specific wavelengths are on Viruses. Below is an example:



Safety and Design

Directly viewing UV-C sources can cause harmful effects to the cornea of the eye. Coronet's Air Flow fixture is designed to prevent this during normal use through the use of a completely enclosed UV source and forced air ciriculation system, as such, it is safe to occupy a space while the air flow is working to keep you safe.

References

With the Covid-19 crisis, worldwide standards organizations have issued opinions on the use of UV-C to target disinfection of space Respected organizations are recommending Upper Air GUV as it has been proven safe and effective for the last 80 years.

- IES paper on Germicidal UV: https://www.ies.org/standards/committee-reports/
- CIE's Position Report on Germicidal UV: http://cie.co.at/publications/cie-position-statement-use-ultraviolet-uv-radiation-manage-risk-covid-19-transmission

Frequently Asked Questions

The Coronet Airflow is a unique fixture that often generates questions on best use practices and the technology. Please review the most
common questions below and reach out to Coronet for any more detail you may require.

What is the CFM Airflow (Cubic Feet per Minute) for the unit?
The unit is designed to run at 18CFM. This low rate is by design to ensure most pathogens are inactivated on a single pass. There are (2) UVC tubes in the fixture providing a very high level of dosing to the pathogens as they pass through. The air takes approx. 6 seconds to move through the fixture. Calculations of the dosage + time in the chamber indicate that most pathogens will be neutralized in a single pass

How big of a space will the Airflow sanitize?
The fixture is designed to move about 1,080 ft3 of air per hour making it ideal for smaller spaces, such as private offices, small conference rooms, pantries, and lounges under 2000 ft3. If your space is larger, simply add a second unit on the opposite side of the room to increase the disinfection efficiency.

Where should the fixture be placed in the room?
The fixture can be placed at any convenient location within a room as most spaces have sufficiently circulated air through HVAC, movement of people, and convection.

Does the fixture produce Ozone?
No. The lamp source is completely shielded within the fixture and it meets all UL codes for zero ozone production.

How does the fixture connect to power?
The fixture uses a standard IEC plug (like a computer monitor plug) that is furnished 6' long.

Where do I get replacement lamps?
The replacement lamp is readily available online. The spec is: Osram HNS-15w-G13. The lamp life is 9000 hours.

Installation

1. Mount wall brackets (2 total) with opening facing up at desired mounting location. Bracket must be mounted to surface with appropriate hardware to support fixture weight. (Figure A shows one bracket mounted to a portable stand.)

2. Fixture mounting bracket is pre-installed on the Airflow unit and may be rotated for a vertical or horizontal install. (Figure B)

3. Slide pre-installed mounting bracket over wall brackets. Fixture is gravity held in place. (Figure C)

4. Energize fixture.