

Upper Air Disinfection System



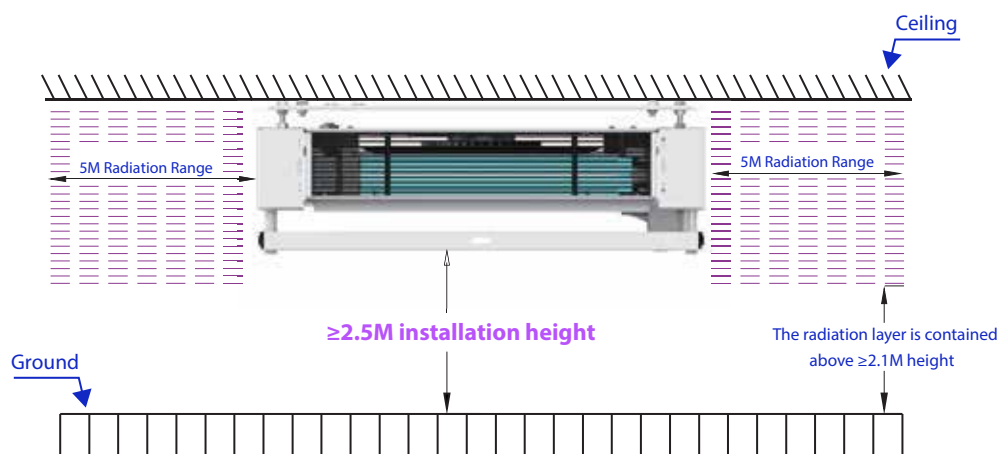
Upper Air Disinfection System



Disinfection Process

Four sided upper room radiation light design: Improves the disinfection range and efficiency of the upper room air radiation layer. The UV-C radiation layer is contained above 2.1m, which allows the room air to be constantly disinfected whilst normal commercial activities safely continue below.

When the DNA and RNA in the cells of a pathogen are exposed to UV-C radiation, a chemical change occurs in the nucleic acids, resulting in a corruption in the genetic code. During this process, UV-C radiation inactivates the pathogen by causing cellular inability to regenerate or replicate, or by causing cell death.

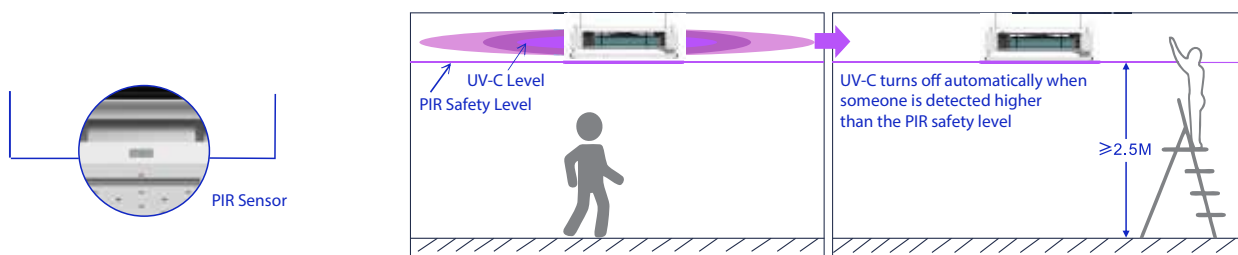


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Product Features

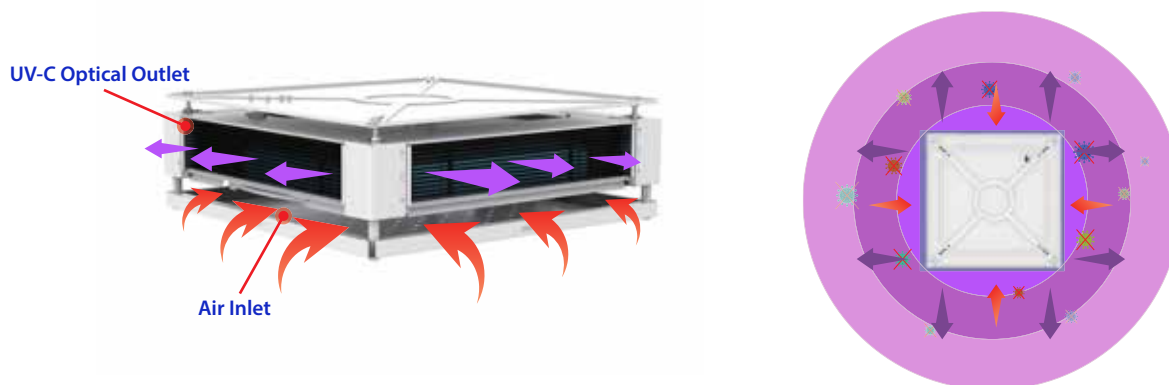
UV-C Safety

A built-in PIR module detects on four sides the presence of people approaching the radiation area and will immediately switch off the UV-C lamp to avoid any exposure.



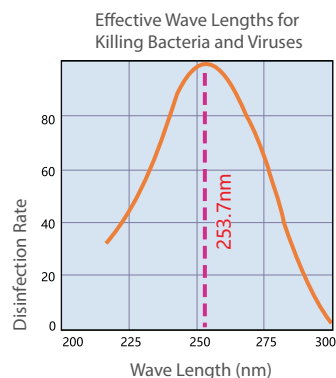
Efficient Air Circulation

Four sided fan outlet design quickly forms air convection through the fan, accelerating the air circulation and increasing the killing rate in a given time.



Environmentally Friendly

The air within an inside space is disinfected using UV-C radiation that peaks at 253.7nm, that emits no ozone during or after use.



The results of microbiological laboratory tests show that a measured dose of UV-C will kill more than 99.9% of bacteria and viruses.

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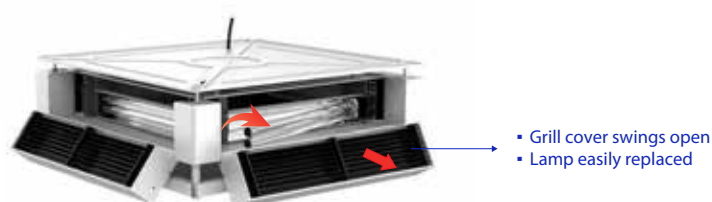
LCD Display & Remote Control

The LCD display indicates the current operational state of the fixture. The hand-held controller provides a convenient option to remotely adjust the functions.



Quick and Easy Replacement of UV-C Lamp

Grill cover easily swings open and lamp can be unplugged and replaced in a few seconds.



Specifications

Model	Power (W)	Input Voltage (V)	Wave Length (nm)	Radiation Intensity 1m from Light Source Surface ($\mu\text{W}/\text{cm}^2$)	Noise, 1 Meter Distance (dB)	Tube Type	Working Temperature ($^{\circ}\text{C}$)	Fixture Size (mm)	Remote Control Range (m)	Infrared Sensing Range (m)
AMI-AIR-150-UVC	150W	100-277VAC 50/60Hz	253.7nm	100 $\mu\text{W}/\text{cm}^2$	Level 1: 30dB	2G11	-5 $^{\circ}\text{C}$ to + 40 $^{\circ}\text{C}$	595*595*168mm	$\geq 3\text{m}$	$\geq 2\text{m}$
					Level 2: 40dB					
					Level 3: 50dB					

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Applications



Offices



Hospitals



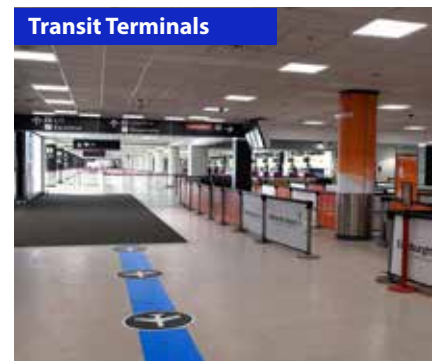
Residential



Grocery Stores



Food Preparation

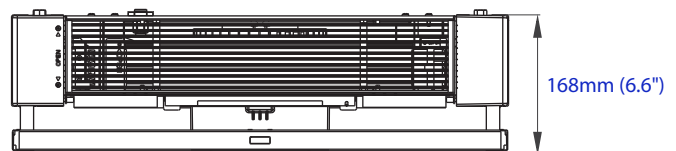
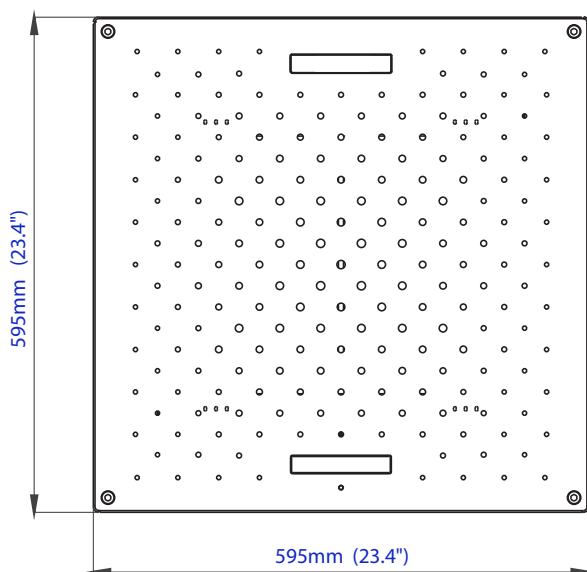


Transit Terminals

The fixture can be mounted flush to a ceiling or suspended pendant style.

Applications include: Medical Facilities, Retail Stores, Offices, Schools, Sports Complexes, Hotels, Banks, and virtually any public space where people work or gather.

Dimensions



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