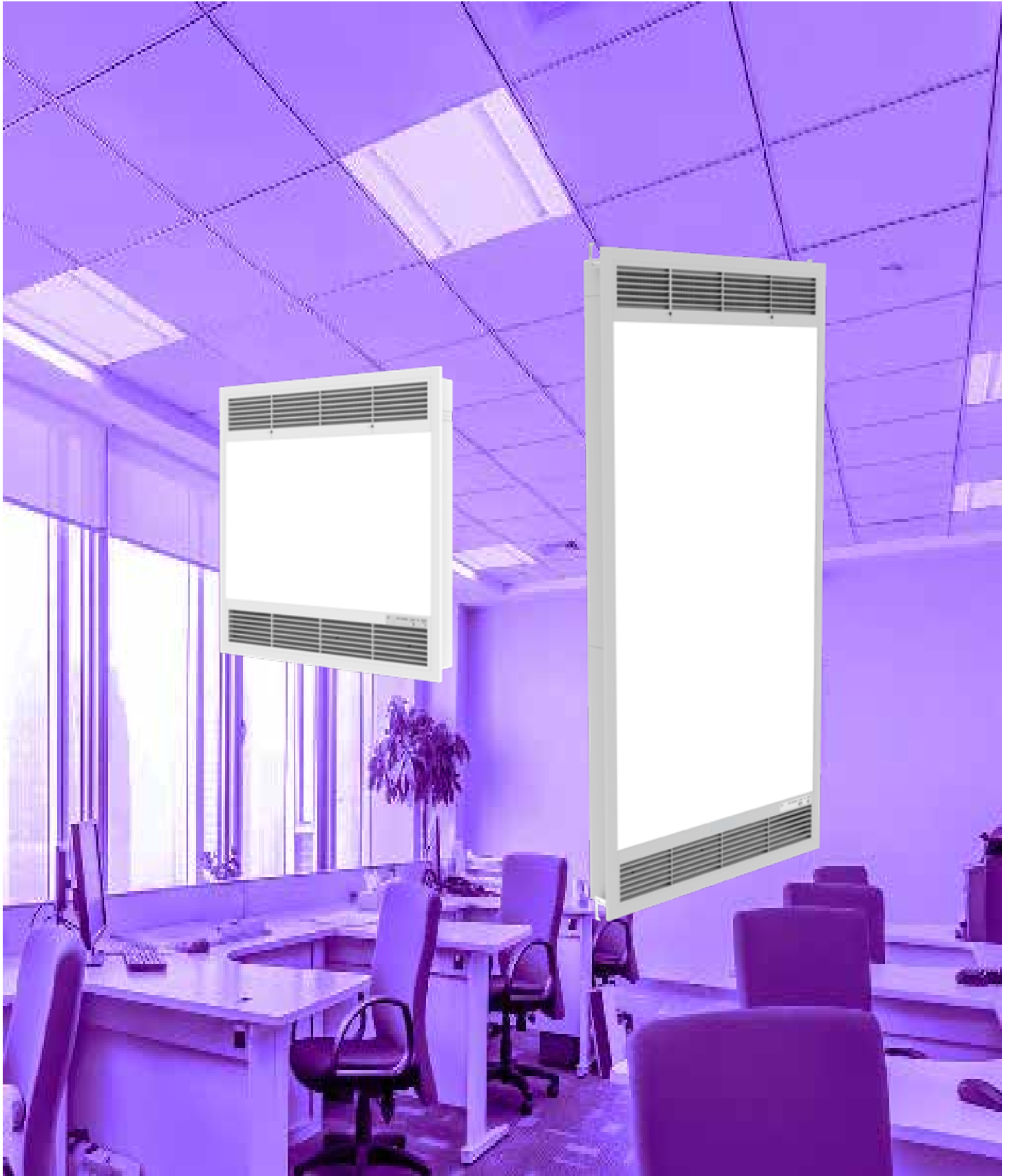


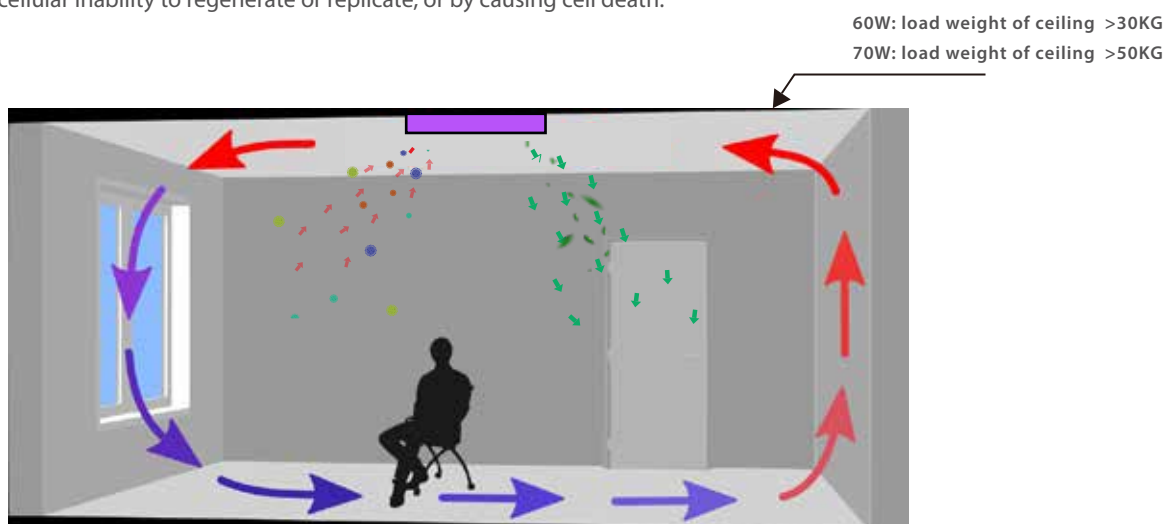
UV-C Upper Air Disinfection + LED Troffer Panel Light



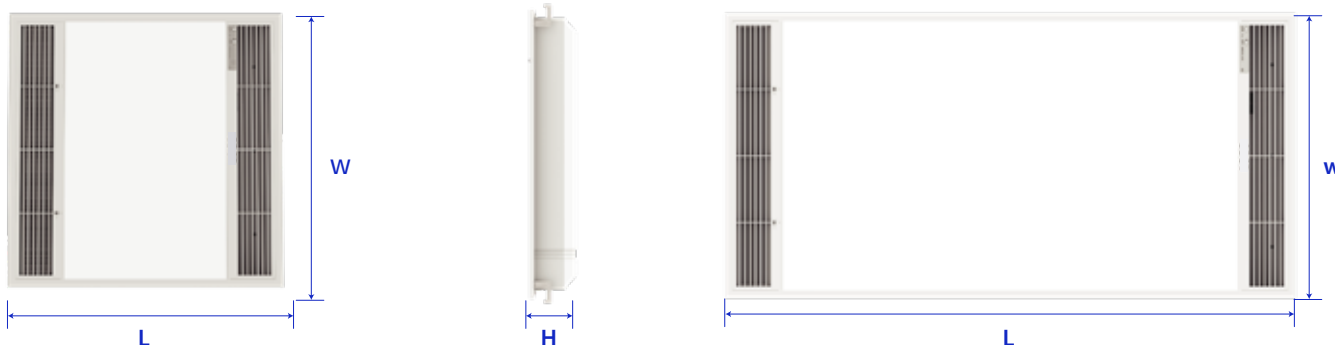
UV-C Upper Air Disinfection + LED Troffer Panel Light

Disinfection Process

The fixture contains a HEPA filter, a centrifugal fan, a UV-C lamp and an LED lighting source. The centrifugal fan draws indoor air inside the fixture where it is exposed to the UV-C lamp, to ensure the air is disinfected safely in an occupied space. 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.



Dimensions



- 2' x 2' (60W): L23.74 * W23.74 * H3.79 (in.)

L603.00 * W603.00 * H96.27 (mm.)

- 2' x 4' (70W): L47.75 * W23.74 * H3.79 (in.)

L1,212.85.00 * W603.00 * H96.27 (mm.)

Models

Model No.	CCT Switch	Colour Temp.	Remote Control	Shockproof buckle/ Safety Cable	Installation Type
AMI-AIR-60-UVC-R	With CCT Switch, CCT adjustable	3000K/4000K/5000K	With Remote Control	Shockproof buckle	Embedded installation
AMI-AIR-70-UVC-R			Without Remote Control		
AMI-AIR-60-UVC					
AMI-AIR-70-UVC					

UV-C Upper Air Disinfection + LED Troffer Panel Light

Product Attributes

Complete Fixture Power

Model No.	Power	Dimensions	Voltage	UVC Wavelength	Air Volume	Noise Level	Working Temperature	Storage Temperature	Warranty Period
AMI-AIR-60-UVC-R	60W	603.00*603.00*96.27	100-277V AC 50/60Hz	275nm	98CFM/ 120CFM	29.5dB/ 42.9dB	-10~+40°C	-20~+70°C	Whole Device: 5 years UVC LEDs: 2 years
AMI-AIR-60-UVC	60W								
AMI-AIR-70-UVC-R	70W	1.212.85*603.00*96.27							
AMI-AIR-70-UVC	70W								

UVC System Parameters

Whole Fixture Power	UVC System Power	UVC LED Chip	Lifespan of UVC LED Module
60W	20W (UVC+Fan)	3939	UVC maintenance rate of 10,000 hours: ≥70%
70W	20W (UVC+Fan)	3939	

LED Lighting Parameters

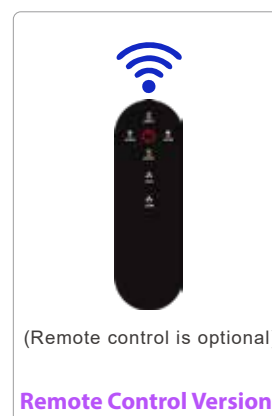
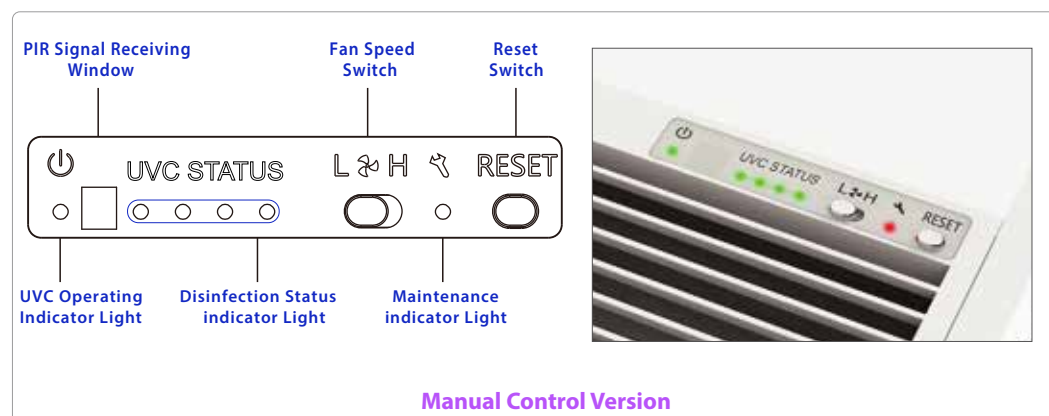
Whole Fixture Power	LED Power	LED Lamp Bead Type	Panel Light Luminous Efficacy	Dimming	CRI	PF
60W	40W	2835	110Lm/W	Three in one dimming (0-10V, PWM, 0-25k resistor)	≥80Ra	≥0.9
70W	50W	2835	110Lm/W	Three in one dimming (0-10V, PWM, 0-25k resistor)	≥80Ra	≥0.9

Product Features

Two Types of Control:

Manual Control Version: Transparent PC function panel displays the current working status of the device.

Remote Control Version: Infrared remote control to adjust equipment functions, more convenient to use. (Remote control is optional)

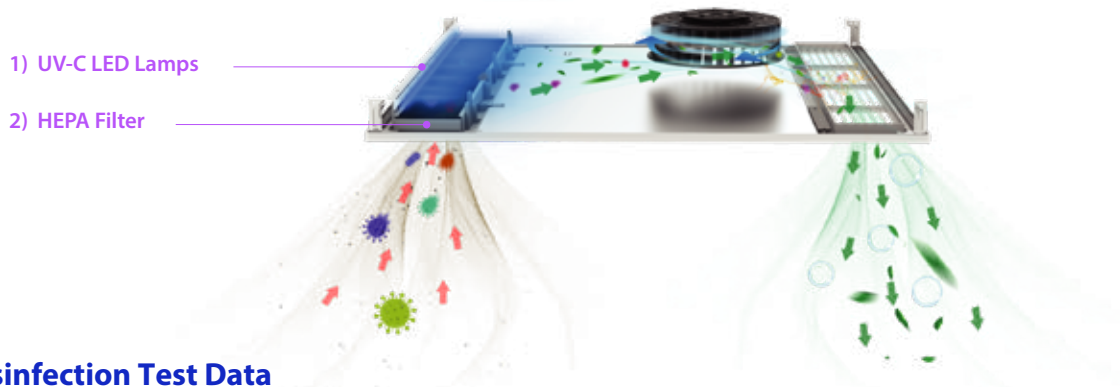


UV-C Upper Air Disinfection + LED Troffer Panel Light

Product Features

Two-Stage Disinfection:

- 1) HEPA filter: Used to filter small particles in the air of ≤ 2.5 microns.
- 2) UV-C Light: Used to destroy the DNA and RNA structure of bacteria/viruses, so that they lose the function of reproduction and self-replication, so as to achieve the purpose of disinfection.



Disinfection Test Data

Fan Speed Level	Bacteria	Effective Volume	Disinfection Time	Disinfection Rate
Low Level	Staphylococcus albus	20m ³	2h	>99.26%
High Level	Staphylococcus albus	20m ³	2h	>99.9%

Note: Third-party laboratory test data, for reference purposes only.

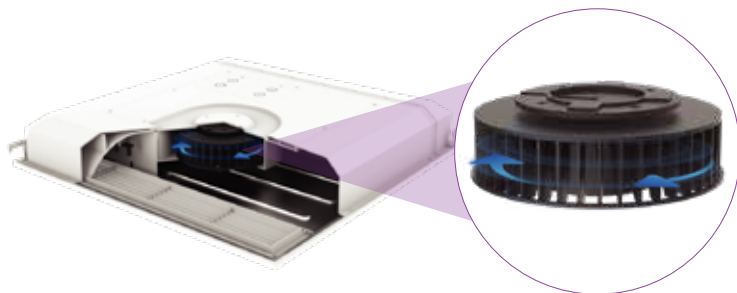
Recommended Disinfection Space Volume and Disinfection Time

Fan Speed Level	Category	Effective Volume	Recommended Disinfection Time
Low Level	Purification volume corresponding to each fixture (m ³)	28m ³	2h
High Level		34m ³	2h

Note: Based on embedded centre installation in enclosed space. It is recommend that the fixture is always left running to continuously disinfect the air.

Centrifugal Fan Design Improves Disinfection Efficiency:

- High quality industrial centrifugal fan with 70000 hours life.
- The fan speeds up air convection and circulation through the fixture, improving disinfection efficiency.



Air Volume and Noise Test Data:

Fan Speed Level	Air Volume	Noise
Low Level	98(CFM)	39.5(dB)
High Level	120(CFM)	42.9(dB)

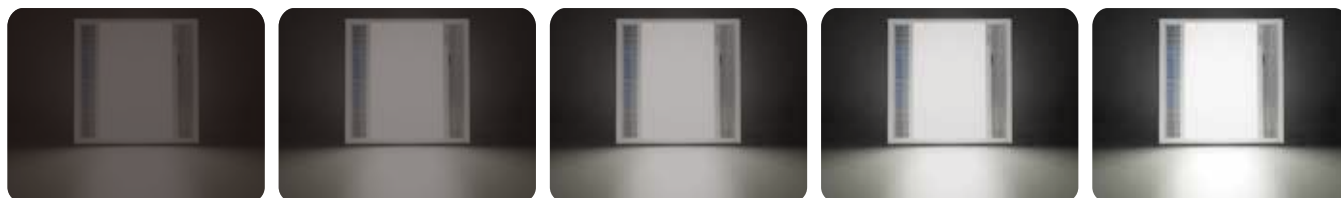
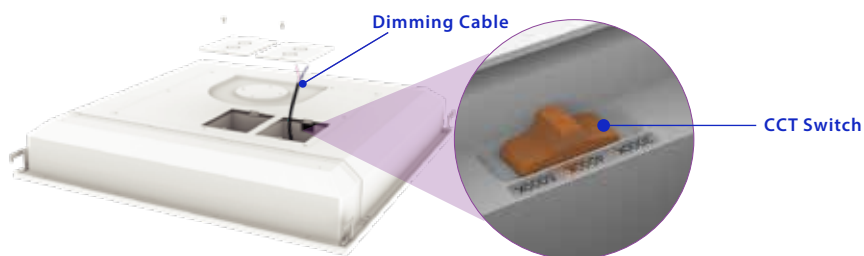
Note: Third-party laboratory test data, for reference purposes only.

UV-C Upper Air Disinfection + LED Troffer Panel Light

Product Features

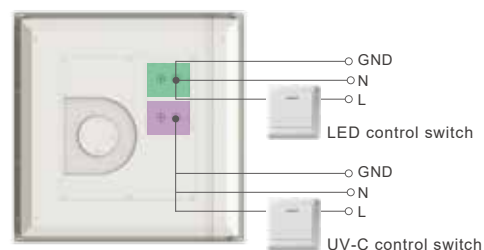
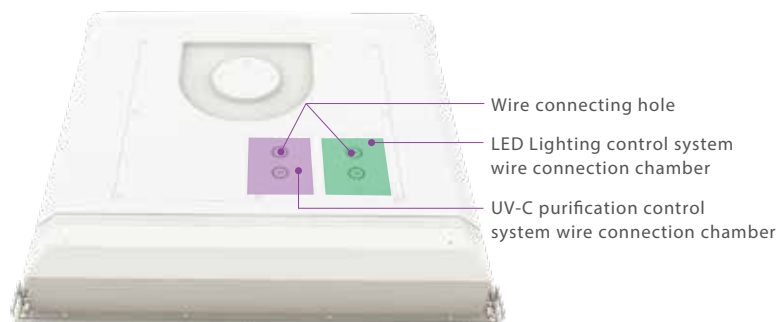
LED Lighting

- Colour temperature selectable, using slide switch: 3000K / 4000K / 5000K.
- 0-100% brightness dimming function: Supports 3 in1 dimming (0-10V, PWM, resistance dimmer)

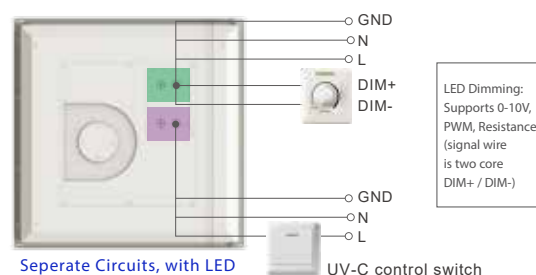


Seperate Circuits for LED Light & UV-C Disinfection

The UV-C disinfection system and LED lighting control system have separate circuits, which means they can operate independently or together, to meet specific application requirements.



Seperate Circuits for LED Light and UV-C Disinfection



LED Dimming: Supports 0-10V, PWM, Resistance (signal wire is two core DIM+ / DIM-)

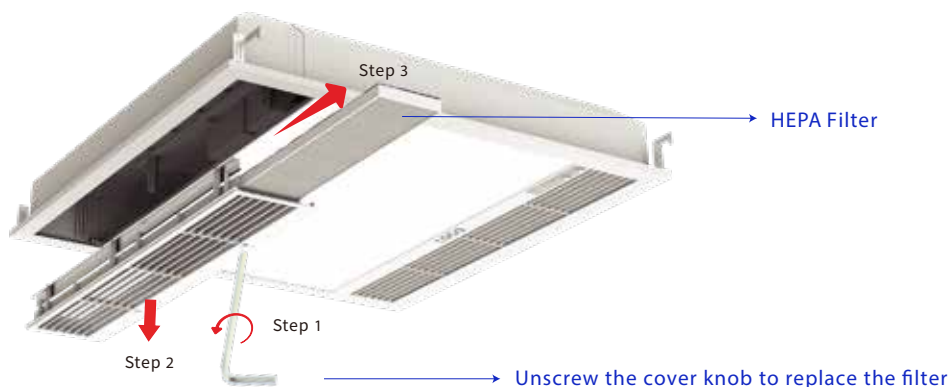


UV-C Upper Air Disinfection + LED Troffer Panel Light

Product Features

HEPA Filter - Easy Replacement:

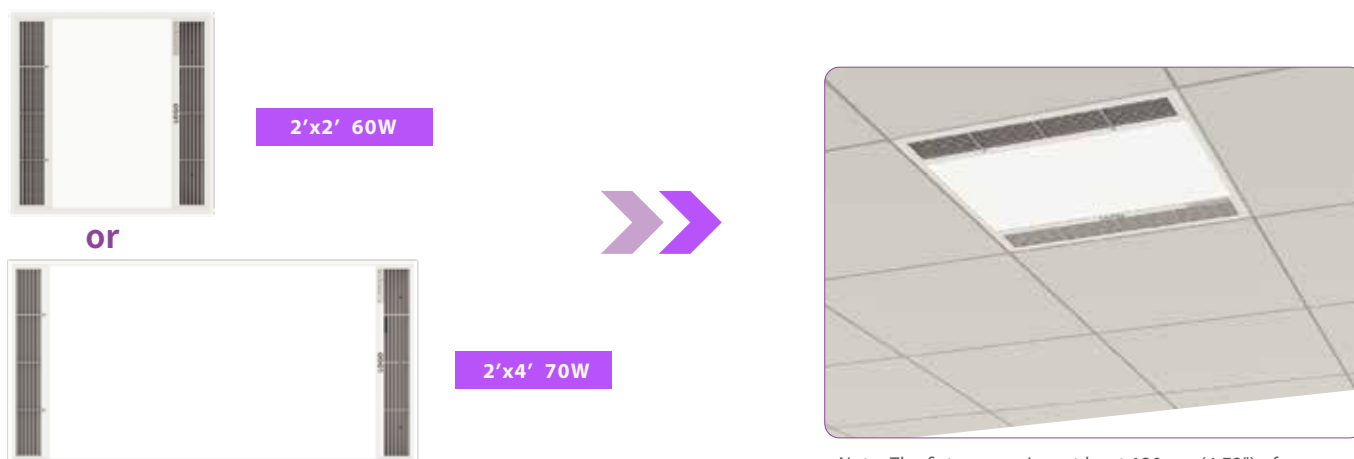
- The HEPA filter collects small dust particles in the air of ≤ 2.5 microns, ensuring the equipment is kept clean and operates efficiently.
- The filter can be easily replaced by opening the grill cover shown in the diagram below. 3 quick and easy steps.



Note: It is recommended that the HEPA filter be replaced after 3000 hours of use.

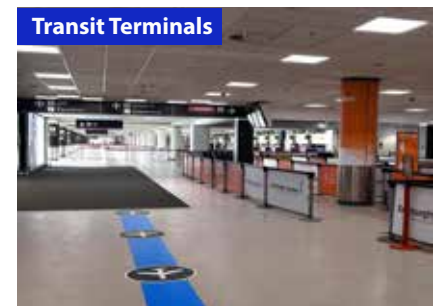
Simple, Fast Installation

- The 2'x4' or 2'x2' fixtures can simply be installed into an existing suspended ceiling framework.



UV-C Upper Air Disinfection + LED Troffer Panel Light

Applications



Applications include virtually any public space where people work or gather.

Packaging

Model No.	Net Weight per Fixture	Gross Weight per Carton	Outer Box Size	Quantity per Carton
AMI-AIR-60-UVC-R	7.00 Kg	7.80 Kg	647.95 x 647.95 x 130.00mm	1pcs/carton
AMI-AIR-70-UVC-R	12.50 Kg	13.40 Kg	1,258.00 x 647.95 x 130.00mm	
AMI-AIR-60-UVC	7.00 Kg	7.80 Kg	647.95 x 647.95 x 130.00mm	
AMI-AIR-70-UVC	12.50 Kg	13.40 Kg	1,258.00 x 647.95 x 130.00mm	



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AMTEK GROUP

Montréal, Canada.

Tel: +1 (514) 819-1653 | www.amtekgroup.com