

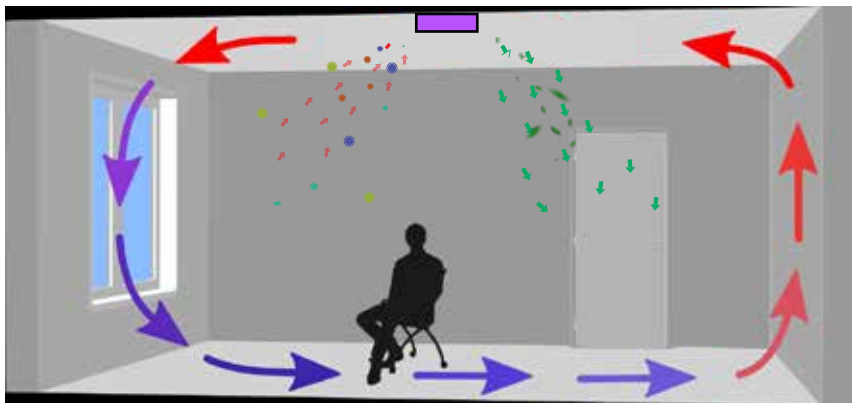
UV-C Upper Air Disinfection + LED Downlight



UV-C Upper Air Disinfection + LED Downlight

Disinfection Process

A centrifugal fan draws indoor air inside the fixture where it is exposed to the UV-C lamp, thus ensuring 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.



Product Specifications

Complete Fixture

Model No.	AMI-AIR-18-UVC-01	AMI-AIR-18-UVC-02
Product Power	18W ±2W	18W ±2W
Input Voltage	100-277V AC, 50/60Hz	100-277V AC, 50/60 Hz
Circulating Air Volume	8.1CFM (13.8m ³ /h)	8.1CFM (13.8m ³ /h)
Noise (Distance 1m)	31.2dB	31.2dB
Effective Volume	15.6m ³	15.6m ³
Effective Area	6m ²	6m ²
Working Temperature	-10°C~+40°C	-10°C~+40°C
Storage Temperature	-20°C~+70°C	-20°C~+70°C
Mounting Hole Size	5"/ 6" J-BOX	5"/ 6"
Product Size	Ø167mm*96mm	Ø167mm*96mm
Installation Method	Replacement	New Recessed
Warranty	2 Years	2 Years

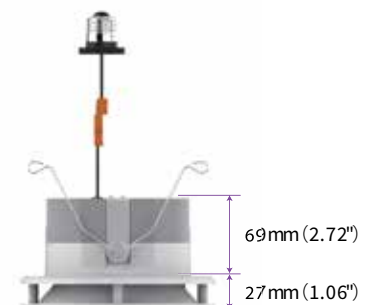
UV-C System

UV-C System Power	8W(UVC LED+Fan)	8W(UVC LED+Fan)
UV-C Chip	0.6W UVC-LED 3939	0.6W UVC-LED 3939
UV-C LED Chip Qty.	8Pcs	8Pcs
UV-C LED Lifespan	L70 @ 10,000 hours	L70 @ 10,000 hours
UV-C Wavelength	275nm	275nm
UV-C Radiant Power	160mw	160mw
UV-C Light Angle	30°	30°

LED Lighting

LED White Light Power	10W	10W
LED White Chip Type	2835	2835
Luminous Flux	850Lm ±10%	850Lm ±10%
Adjustable CCT	3000K/4000K/5000K	3000K/4000K/5000K
CRI	≥80Ra	≥80Ra
PF	≥0.88	≥0.88

AMI-AIR-18-UVC-01



AMI-AIR-18-UVC-02

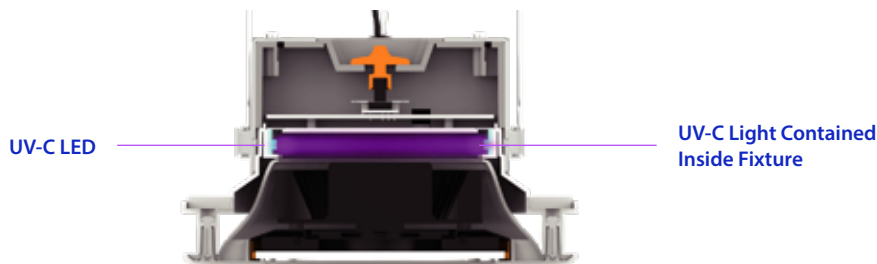


UV-C Upper Air Disinfection + LED Downlight

Product Features

Totally Safe to Operate in Occupied Areas

The UV-C light within the air disinfection downlight is completely enclosed inside the fixture, which allows it to operate continuously in occupied areas, whilst killing bacteria and viruses.



High Efficiency Centrifugal Fan Improves Disinfection Effectiveness

The high quality centrifugal fan has a lifespan of 70,000 hours; and draws air into the fixture at the most effective rate to provide efficient disinfection.

Based on 10m³ Laboratory Testing

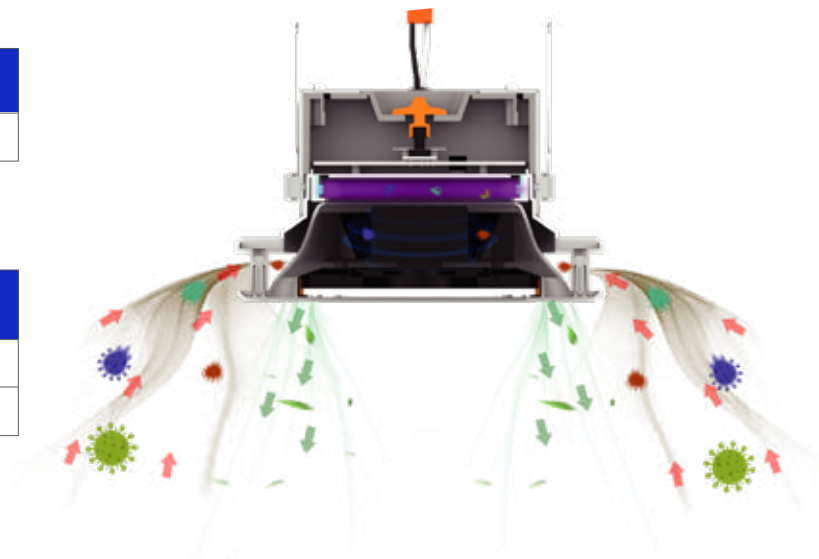
Bacteria	Effective Volume	Disinfection Time	Disinfection Rate
Staphylococcus Albus	10m ³	3hr	>99.9%

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

Recommended Disinfection Measures

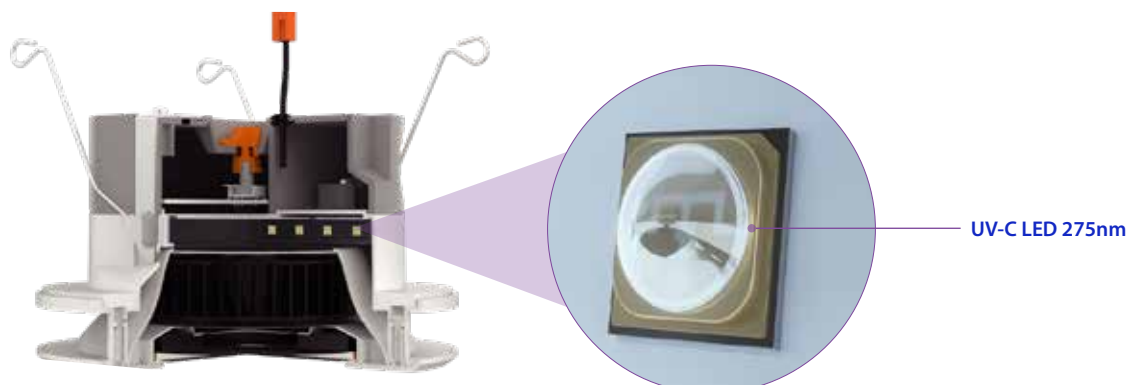
Category	Space	Recommended Disinfection Time
Applicable Volume	15.6m ³	>3hr
Applicable Area	6m ²	>3hr

Note: Based on embedded installation in an interior space.



Latest Technology UV-C LED Utilized

Eight long-life UV-C LED chips on two sides. Robust package, lifespan of L70 @ 10,000 hours. Environmentally friendly materials, mercury-free.

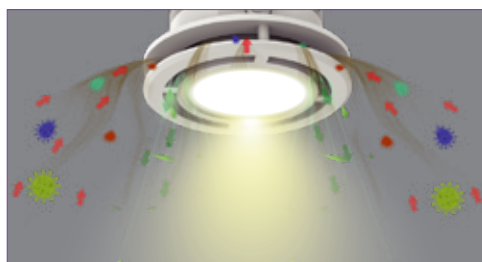
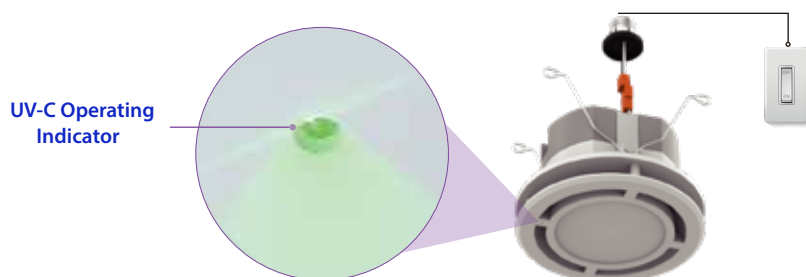


UV-C Upper Air Disinfection + LED Downlight

Product Features

UV-C Disinfection + LED Lighting - Mode Switchable

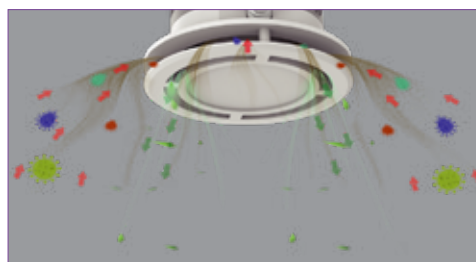
UV-C Disinfection and LED Downlight modes can operate independently or at the same time.



Mode 1 (On)
UV-C Disinfection + LED Light
(Indicator Light On)



Mode 2 (On-Off-On)
LED Downlight Only
(Indicator Light Off)

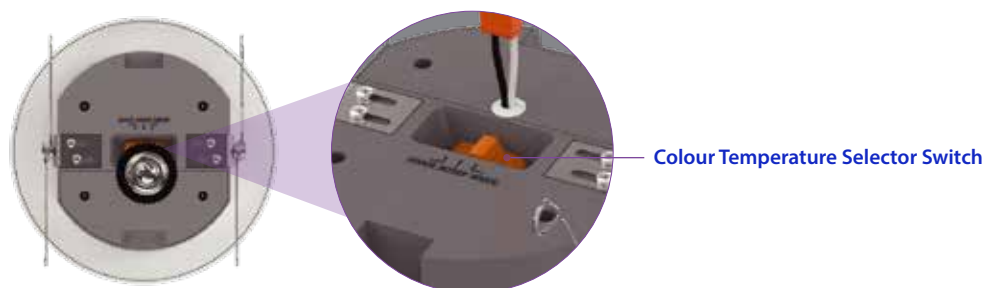


Mode 3 (On-Off-On-Off-On)
UV-C Disinfection Only
(Indicator Light On)

Note: The indicator light is only on when the UV-C mode is operating

LED Downlight - Colour Selectable

The colour temperature of the LED Downlight can be selected via a slide switch



3000K Warm White



4000K Daylight White



5000K Cool White



UV-C Upper Air Disinfection + LED Downlight

Applications



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

Packaging

Model No.	Net Weight per Fixture	Gross Weight per Fixture	Gross Weight per Carton	Fixture Box Size	Carton Size	Fixtures per Carton
AMI-AIR-18-UVC-01	0.6kg	0.84kg	8.3kg	193*193*140mm	400*400*300mm	8pcs/Carton
AMI-AIR-18-UVC-02	0.6kg	0.84kg	8.3kg	193*193*140mm	400*400*300mm	8pcs/Carton



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Iluminamos Tu Vida*

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