



UV-C disinfection air unit

UV-C disinfection air unit for professional use

The Philips UV-C disinfection air unit is a powerful and effective way to disinfect circulating air. It draws air into the unit where UV-C radiation inactivates up to 90% of micro-organisms in 80m³ within just 2 hours (circular coverage 28m²)¹. With no need for mounting, the free-standing unit can be wheeled into place in a wide range of professional applications, from offices and retail to hospitality. The aesthetic design delivers well-controlled UV-C radiation (RGO) and can also be used when people are present.

Benefits

- Achieves 90% air disinfection in 80m³ in 2 hours¹.
- Circular coverage of 28m².
- No fixed installation or mounting required and replaceable in the room.
- Reliable and strong UV-C irradiance inner chamber.
- User-friendly interface with clear display and range of flexible options.

Safeguard benefits

Mechanical safety and germicidal effectiveness validated by independent scientific reports:

- Germicidal effectiveness validated by independent scientific report¹.
- Specially-designed mechanical structure to keep UV-C leakage below limit and validated by independent scientific report².
- Easy maintenance with display notification for spare parts.

¹ Guangdong Detection Center of Microbiology. Test conclusion: Turned the sample on the UV lamp and the maximum wind speed working for 1 hour in a 10m³ test chamber. The test was repeated 3 times. The detection result of the killing rate of staphylococcus while in the air was > 99.9%, which met the standard requirements of the Technical Standard for Disinfection (2002 Ministry of Health P.R.China).

² Guangdong Detection Center of Microbiology. Test conclusion: Turned the sample on maximum wind speed for testing, and after stabilization, the ultraviolet radiation luminance collected at 30cm around the device was less than 5µw/cm², which met the requirements of GB 28235-2011 (safety and sanitary standard for ultraviolet appliance of air disinfection) -6.2.9.1.

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Features

- Housing material: anti UV plastic.
- Philips UV-C lamp: 2*18W PL-L or 4*18W PL-L version available.
- Philips Ballast: HFP 218/236.
- Touch panel: timer button 30/60/120mins & On options, Fan speed button with low, medium and high options, lock button to avoid unwanted operations, power on/off button.
- Display on user interface, which starts counting down on pre-set disinfection duration.
- Four wheels for portable & flexible movement.

Application

Please follow user manual and mounting installation before, during and after operation.

Office	Disinfect air in small (meeting) rooms up to 28m ² .
School	Disinfect air in classrooms.
Banking	Disinfect air in hallways, customer waiting and meeting rooms, customer service areas.
Hospitality	Disinfect air in guest rooms, reception area, office area, conference rooms.

Specifications

Input voltage	220-240V 50Hz/60Hz
Power	84W±10% /120W ±10%
Safety Class (driver+system)	Class II
UVC lamp power	2*18W PL-L or 4*18W PL-L
UVC lamp wavelength	254 nm
Ballast	HFP 218/236
UVC Leakage	< 0.2µw/cm ²
Ozone free	Yes
UVC lamp maintain	Yes
Indicator for lamp maintenance	Yes
Safety start	Yes
Time Setting	30/60/120 mins; constant on
Operating temp	5-40 °C
Ta	25 °C
Button press life	15k times
Size (original) (H*L*W)	790*360*360 mm
Moveable	Yes
Wind Speed	3 steps
Lamp Useful life	9000 hrs based on lamp specifications
Motor Lifetime	20k hrs
Housing Material	Plastic (anti UV)
Packaging	Industrial box
Warranty	1 year
Surge	2kV/1kV
Air exchange volume (max. wind speed)	550±10% m ³ /h

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Product images



Front side

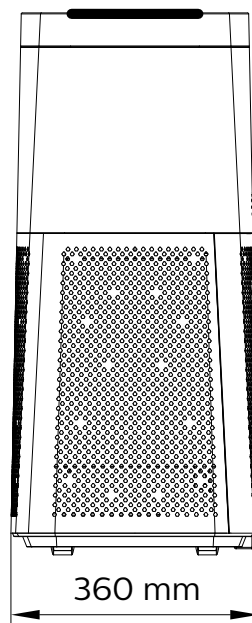
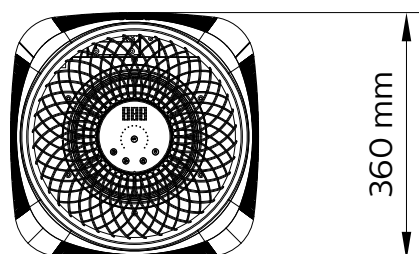
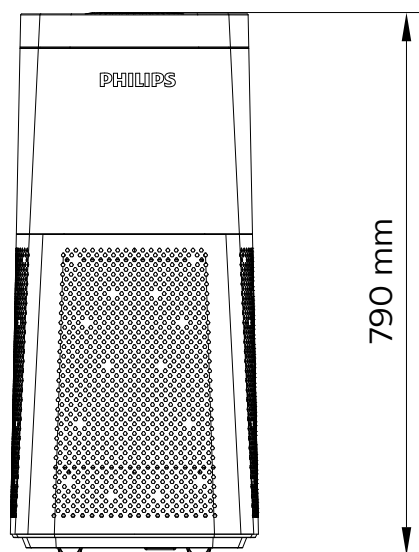


Left front corner



Top side

Dimension drawing



UV-C disinfection air unit

Product list

12NC	2 UVC lamp version	Plug type
911401703613	UVCA100 84W 01	ANZ standard
911401703623	UVCA100 84W 02	British standard
911401703633	UVCA100 84W 03	China mainland standard
911401703643	UVCA100 84W 04	Indonesia standard
911401703653	UVCA100 84W 05	Korea standard
911401703663	UVCA100 84W 06	KSA standard
911401703673	UVCA100 84W 07	Pakistan standard
911401703683	UVCA100 84W 08	Philippines standard
911401703703	UVCA100 84W 10	Thailand standard
911401703713	UVCA100 84W 11	Turkey standard
911401703723	UVCA100 84W 12	Vietnam standard

12NC	4 UVC lamp version	Plug type
911401703733	UVCA200 120W 01	ANZ standard
911401703743	UVCA200 120W 02	British standard
911401703753	UVCA200 120W 03	China mainland standard
911401703763	UVCA200 120W 04	Indonesia standard
911401703773	UVCA200 120W 05	Korea standard
911401703783	UVCA200 120W 06	KSA standard
911401703793	UVCA200 120W 07	Pakistan standard
911401703803	UVCA200 120W 08	Philippines standard
911401703823	UVCA200 120W 10	Thailand standard
911401703833	UVCA200 120W 11	Turkey standard
911401703843	UVCA200 120W 12	Vietnam standard

Warnings and safety

DANGER: Like any disinfection system, UV-C lamps and devices must be installed and used in the correct way. Direct exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea.

Disclaimer

The UV-C disinfection air unit effectiveness in the inactivation of certain viruses, bacteria, protozoa, fungi or other harmful micro-organisms is as described above under the heading “Benefits”. Signify and its group of companies do not promise or warrant that the use of the UV-C disinfection air unit will protect or prevent any user from infection and/or contamination with any viruses, bacteria, protozoa, fungi, illness or disease.

The UV-C disinfection air unit is not approved for, is not intended for and must not be used to disinfect medical devices and must not be used in medical settings. In addition to and without limitation of any exclusions or limitations of liability of Signify and its group of companies as set forth in any agreement for the sale, distribution or otherwise making available of the UV-C disinfection air unit, Signify and its group of companies shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C disinfection air unit outside of their intended use or contrary to their installation and operation instructions, each as described in this document, the user manuals and/or the mounting instructions.



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