PHILIPS

UV-C disinfection air unit

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## 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 80m$^3$ within just 2 hours (circular coverage 28m$^2$)[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 (RG0) and can also be used when people are present.

### Benefits

- Achieves 90% air disinfection in 80m$^3$ in 2 hours[1].
- Circular coverage of 28m$^2$.
- 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 report[1].
- Specially-designed mechanical structure to keep UV-C leakage below limit and validated by independent scientific report[2].
- 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 10m$^3$ 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 5μ w/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 |

# UV-C disinfection air unit

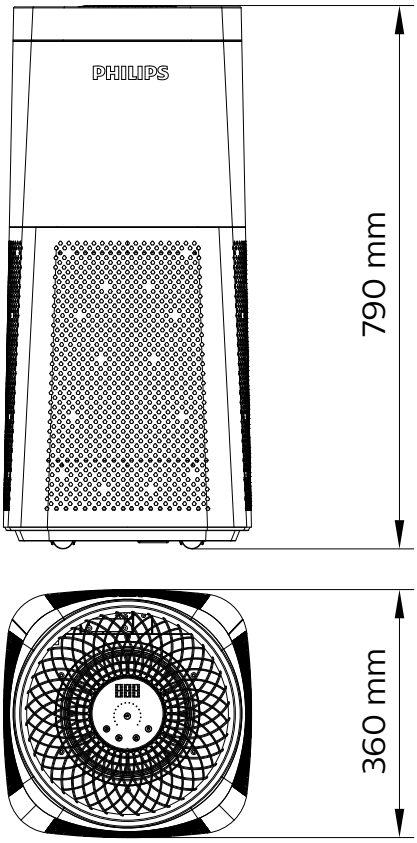
## Product images

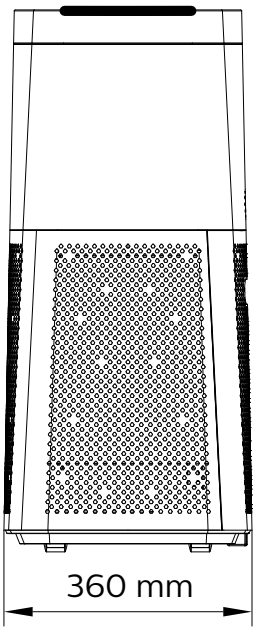
Front side

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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