



# Breathe healthy air

## UV-C disinfection upper air WM

As part of the Philips UV-C disinfection upper-air device series, the Philips UV-C disinfection upper-air wall-mounted device is designed to be installed on walls for the disinfection of air in a wide range of applications. Optimised for low ceiling heights, the UV-C rays are distributed at device level and above. The beam of UV-C rays is controlled by specific reflectors and the louvre design. This allows for the disinfection of the air in a space, while ensuring that day-to-day business activities can continue underneath the area where the device is active.

### Benefits

- Our Philips UV-C disinfection upper-air wall-mount luminaires inactivated 99.99% of SARS-COV-2, the virus responsible for the COVID-19 disease, in the air of a room within 10 minutes. At 20 minutes, the virus was below detectable levels. [1]
- Swift disinfection effect, with 83.6% reduction of SARS-CoV-2, the virus that causes the COVID-19 disease, achieved in a room within 2 minutes. [1]
- Allows quiet disinfection of air while business activity continues beneath the level of the device
- Uses Philips UV-C lamps and drivers
- Environmentally friendly – no ozone emissions during or after use

### Features

- Philips T5 TUV 25 W lamp included
- Shortwave UV radiation peak at 253.7 nm (UV-C)
- The louvres and reflector control the distribution of UV-C at the device level and above, where people are not usually present
- Wall-mounted installation
- Complies with IEC 62471 standard for photobiological safety

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## Application

- Office
- Retail
- Food outlets
- Hospitality
- Schools
- Banking
- Washrooms

## Warnings and Safety

- **DANGER: Risk Group 3 UV product.** 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. As UV-C is invisible to the eye, the UV-C upper-air device must be installed together with adequate safeguards to ensure that the UV-C upper-air device can be operated in a safe way. The UV-C upper-air devices are only to be used as components in a system that consists of adequate safety safeguards such as, but not limited to, those indicated in the mounting instructions and/or user manuals. Direct exposure to UV-C is dangerous. Philips UV-C luminaires systems must only be sold through qualified partners and installed by professionals according to our stringent safety and legal requirements. Our UV-C products are not meant to be used in applications or activities which may cause and/or lead to death, personal injury and/or damage to the environment.
- [1] According to results obtained from a laboratory test conducted by Innovative Bioanalysis, a CAP, CLIA, AABB Certified Safety Reference Laboratory, in a room with sufficient air circulation. For more information, please refer to the test report available in the "related tools" part of this webpage

## Versions



## Product details



Access to lamp and product maintenance



Wall mounting plate and indicator light

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## Application Conditions

Ambient temperature range	+10 to +40 °C
Suitable for random switching	No

## Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

## Controls and Dimming

Dimmable	No
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## Operating and Electrical

Inrush current	18 A
Inrush time	0.35 ms
Input frequency	50 Hz
Input Voltage	230 V
Power factor (min.)	0.98

## General Information

Cable	-
CE mark	CE mark
Protection class IEC	Safety class I
Connection	Push-in connector 3-pole
ENEC mark	-
Flammability mark	NO
Gear	HF-S
Glow-wire test	Temperature 650 °C, duration 30 s
Number of gear units	1 unit
Number of light sources	1
Number of products on MCB (16 A type B)	28
Optic type	L
EU RoHS compliant	Yes
Warranty period	1 years

## Initial Performance (IEC Compliant)

Power consumption tolerance	+/-10%
Initial input power	29.6 W

## Mechanical and Housing

Colour	White and black
Housing material	Aluminium
Optic material	Aluminum
Reflector material	Aluminium
Overall height	140 mm

## UV

Order Code	Full Product Name	UV-C irradiance defined	UV-C irradiance defined	UV-C radiation
		at 20 cm	at 2 m	
90445900	WL345W 1xTUV T5 25W HFS	426.62 $\mu\text{W}/\text{cm}^2$	35.57 $\mu\text{W}/\text{cm}^2$	0.375 W
66504700	WL346W 1xTUV T5 25W HFS	806 $\mu\text{W}/\text{cm}^2$	97.2 $\mu\text{W}/\text{cm}^2$	0.53 W



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