

# PHILIPS

UV-C disinfection luminaire



# Philips UV-C disinfection upper air wall mounted

## Breathe healthy air

As part of the Philips UV-C disinfection upper air device series, Philips UV-C disinfection upper air wall mounted is designed to be installed on walls for the disinfection of air in a wide range of applications. Optimized 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

- Allows quiet disinfection of air while business activity continues underneath the device's level
- UV-C light has been proven to effectively deactivate tested pathogens<sup>1</sup>
- Uses Philips UV-C lamps and drivers
- Environmentally friendly - no ozone emissions during or after use.

### Features

- Philips TUV T5 lamp included: 1x25W
- Shortwave UV radiation peak at 253.7 nm (UV-C)
- 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.

<sup>1</sup> Reed, N.G. 2010. The history of ultraviolet germicidal irradiation for air disinfection. Public Health Reports January–February, 125(1):15–27.

# UV-C upper air device

## **Application**

Offices  
Retail  
Food outlets  
Hospitality  
Schools  
Banking  
Washrooms

## **Warnings and safety**

DANGER: Risk Group 3 UV product according IEC 62471. 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 used and installed in strict accordance with the requirements set forth in the user manual and/or the mounting instructions.

Philips UV-C luminaires systems must only be sold 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.

## **Disclaimer**

The UV-C upper air device effectiveness in the deactivation 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 upper air devices will protect any user from or prevent infection and/or contamination with any viruses, bacteria, protozoa, fungi, illness or disease. The UV-C upper air devices are not approved and/or certified as a medical device by the FDA and/or any other regulatory body. As such, the UV-C upper air devices are not intended for and must not be used to disinfect medical devices and/or for medical purposes. 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 upper air devices, 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 upper air devices 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.

# UV-C upper air device

## Specifications

|                  |                               |
|------------------|-------------------------------|
| Type             | WL345W                        |
| Light source     | UV-C lamp: 1x TUV T5/ 25W     |
| Lamp included    | Yes                           |
| Gear             | High Frequency ballast (HF-S) |
| Connection       | Cable                         |
| Housing material | Aluminum                      |

|                           |                                |
|---------------------------|--------------------------------|
| Reflector material        | Aluminum                       |
| Color                     | White/Black                    |
| Optimal temperature range | +20 + 40°C                     |
| Lifetime                  | 9000h - 90% UV-C @ end of life |
| Mounting                  | Wall mounted                   |
| Installation              | Screw mounting                 |

## Versions

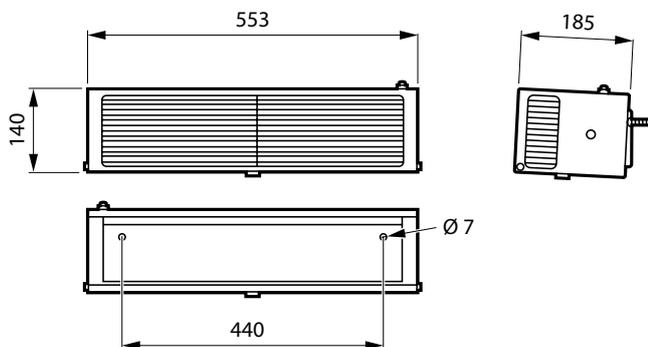


WL345W 1x25W



WL345W 1x25W

## Dimensional drawing



| Product                 | Length | Width  | Height |
|-------------------------|--------|--------|--------|
| WL345W 1xTUV T5 25W HFS | 553 mm | 185 mm | 140 mm |

# UV-C upper air device

## Approval and Application

|                              |      |
|------------------------------|------|
| Mech. impact protection code | IK02 |
| Ingress protection code      | IP20 |

## Operating and Electrical

|                 |              |
|-----------------|--------------|
| Input Voltage   | 230 to 240 V |
| Input Frequency | 50 to 60 Hz  |

## General Information

|                      |   |
|----------------------|---|
| CE mark              | CE mark                                     |
| Protection class IEC | Safety class I                              |
| Flammability mark    | For mounting on normally flammable surfaces |
| Lamp family code     | TUV T5                                      |
| Product family code  | WL345W                                      |

## General information

| Order Code   | Full Product Name       | Lamp type  | Gear type | Reflector |
|--------------|-------------------------|------------|-----------|-----------|
| 919206000011 | WL345W 1xTUV T5 25W HFS | 1x 25W TUV | HF-S      | yes       |

## UV-C radiation

| Full Component Name     | UV-C radiation luminaire | UV-C irradiance at 2m distance | Order Code   |
|-------------------------|--------------------------|--------------------------------|--------------|
|                         | W                        | $\mu\text{W}/\text{cm}^2$      | GPC          |
| WL345W 1xTUV T5 25W HFS | 8                        | 85                             | 919206000011 |



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