

# PHILIPS

UV-C disinfection luminaire



# Philips UV-C disinfection upper air ceiling mounted

## Breathe healthy air

As part of the Philips UV-C disinfection upper air device series, Philips UV-C disinfection upper air ceiling mounted is designed to be installed on false ceilings 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 PL-S TUV lamps included: 4x9W
- 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
- Surface mounted on false ceilings
- 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	SM345C
Light source	UV-C lamp: 4x TUV PL-S/ 9W
Lamp included	Yes
Gear	High Frequency ballast (HF-M)
Connection	Push-in connector (PI)
Housing material	Aluminum

Reflector material	Aluminum
Color	White/Black
Optimal temperature range	+20 + 40°C
Lifetime	9000h - 90% UV-C @ end of life
Mounting	Ceiling mounted
Installation	Recessed plate in false ceiling, safety cable advised

## Versions

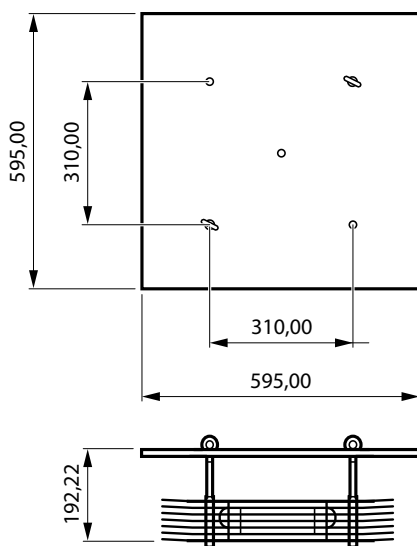


SM345C 4x9W-BS



SM345C 4x9W-SPP

## Dimensional drawing



Product	Length	Width	Height
SM345C 4xTUV PLS 9W HFM	595 mm	595 mm	192 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	mounting on normally flammable surfaces
Lamp family code	For mounting
Product family code	SM345C

## General information

Order Code	Full Product Name	Lamp type	Gear type	Reflector
919206000021	SM345C 4xTUV PLS 9W HFM	4x 9W TUV	HF-M	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
SM345C 4xTUV PLS 9W HFM	4x2.2	7	919206000021



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