



Breathe healthy air

UV-C disinfection upper air CM

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
- Inactivates 99.9% of virus Coliphage ϕ X174 in air within 10 minutes in a room with sufficient air circulation (please refer to "more information URL")
- Uses Philips UV-C lamps and drivers
- Environmentally friendly - no ozone emissions during or after use

Features

- Philips PL-S TUV lamp 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 ceiling
- Complies with IEC 62471 standard for photobiological safety

Application

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

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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 device 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.

Versions

UV-C disinfection upper air Ceiling mounted version



Product details



Product Image



Product Image

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Product Image



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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	13 A
Inrush time	0.11 ms
Input Frequency	50 Hz
Input Voltage	230 V
Power Factor (Min)	0.64

General Information

Cable	-
CE mark	CE mark
Protection class IEC	Safety class I
Connection	Push-in connector 3-pole
ENEC mark	-
Flammability mark	-
Gear	HFM
Glow-wire test	Temperature 650 °C, duration 30 s
Number of gear units	4 units
Number of light sources	4 pcs
Number of products on MCB of 16 A type B	38
Optic type	Lamellae louver
Product Family Code	SM345C
EU RoHS compliant	Yes
Warranty period	1 years

Initial Performance (IEC Compliant)

Power consumption tolerance	+/-10%
Initial input power	38 W

Mechanical and Housing

Color	White and black
Housing Material	Aluminum
Optic material	Aluminum
Reflector material	Aluminum

UV

UV-C irradiance defined at 2m	11.44 µW/cm²
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Mechanical and Housing

Order Code	Full Product Name	Overall height
919206000021	SM345C 4xTUV PLS 9W HFM	155 mm
919206000081	SM345C 4xTUV PLS 9W HFM MR62	198 mm
919206000091	SM345C 4xTUV PLS 9W HFM SM4	123 mm
919206000101	SM345C 4xTUV PLS 9W HFM SMB	214 mm

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Order Code	Full Product Name	UV-C irradiance defined at 20cm	UV-C radiation
919206000021	SM345C 4xTUV PLS 9W HFM	137.2 $\mu\text{W}/\text{cm}^2$	0.335 W
919206000081	SM345C 4xTUV PLS 9W HFM MR62	137.20000000000002 $\mu\text{W}/\text{cm}^2$	0.33 W

Order Code	Full Product Name	UV-C irradiance defined at 20cm	UV-C radiation
919206000091	SM345C 4xTUV PLS 9W HFM SM4	137.20000000000002 $\mu\text{W}/\text{cm}^2$	0.335 W
919206000101	SM345C 4xTUV PLS 9W HFM SMB	137.20000000000002 $\mu\text{W}/\text{cm}^2$	0.335 W

