



Breathe healthy air (DESIGNED FOR PROFESSIONAL ONLY)

UV-C disinfection upper air ceiling mounted

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. 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 beneath the area where the device is active.

Benefits

- Allows quiet disinfection of air while business activity continues beneath the level of the device
- Deactivates 99.9% of virus Coliphage ϕ X174 in the air within 10 minutes in a room with sufficient air circulation (please refer to "the 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: 4x9 W
- 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
- Surface-mounted on false ceilings
- Complies with IEC 62471 standard for photobiological safety

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Application

- Offices
- 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 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 upper air CM SM355B

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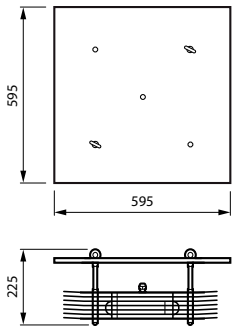
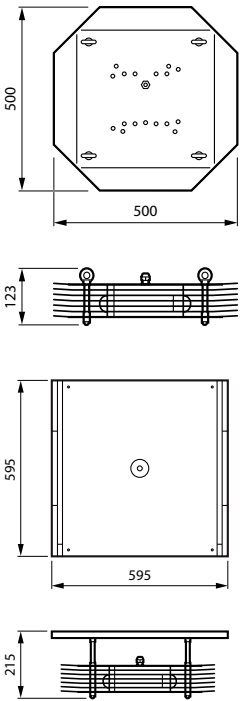


UV-C upper air CM SM355C SMB

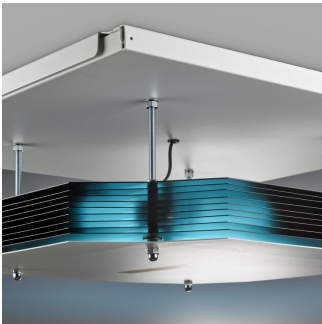


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Dimensional drawing



Product details



UV-C upper air CM SM355C SMB-DPP03



UV-C disinfection upper air suspended version



UV-C disinfection upper air suspended version



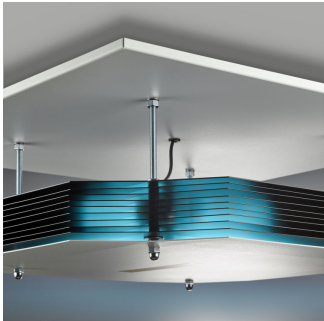
UV-C upper air CM SM355C SMB-DPP02

UV-C disinfection upper air ceiling mounted

Product details



UV-C upper air CM SM355B-DPP02



UV-C upper air CM SM355B-DPP03

UV-C disinfection upper air ceiling mounted

General Information

Gear	HFM
Number of gear units	4 units
Warranty period	1 years

Light Technical

Number of light sources	4
Optic type	Lamellae louvre

Operating and Electrical

Cable	-
Protection class IEC	Safety class I
Connection	Push-in connector 3-pole
Inrush current	13 A
Inrush time	0.11 ms
Input Voltage	230 V
Number of products on MCB (16 A type B)	70
Power Factor (Fraction)	0.66
Suitable for random switching	No

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Colour	White and black
Housing material	Aluminium
Mech. impact protection code	IK02
Ingress protection code	IP20
Optic material	Aluminium
Reflector material	Aluminium

Approval and Application

Ambient temperature range	+10 to +40 °C
CE mark	Yes
ENEC mark	-
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

UV

UV-C irradiance defined at 0.2 m	1,522 mW/m²
UV-C irradiance defined at 2 m	136 mW/m²
UV-C radiation	0.37 W

Initial Performance (IEC Compliant)

Power consumption tolerance	+/-10%
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Product Data

Product family code	SM345C
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Mechanical and Housing

Order Code	Full Product Name	Overall height
96500300	SM355B 4xTUV PLS 9W HFM	185 mm
96503400	SM355P 4x TUV PLS 9W HFM SM4	122 mm
96504100	SM355C 4x TUV PLS 9W HFM SMB	212 mm

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