

UV-C disinfection upper air ceiling mounted

SM345C



Breathe healthy air (DESIGNED FOR PROFESSIONAL ONLY)

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

Applications

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

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

- 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

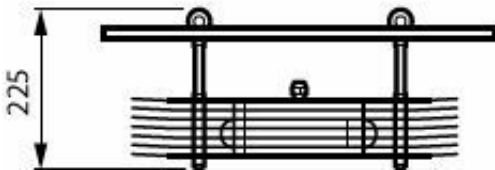
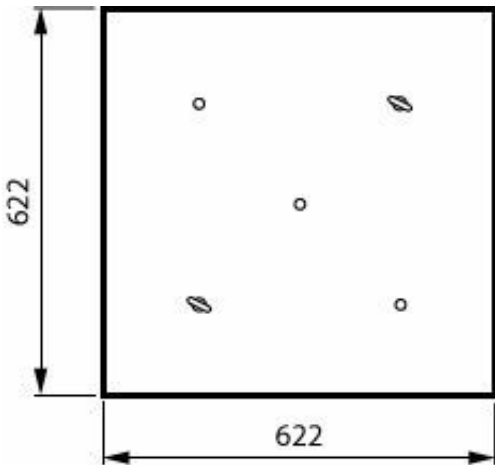
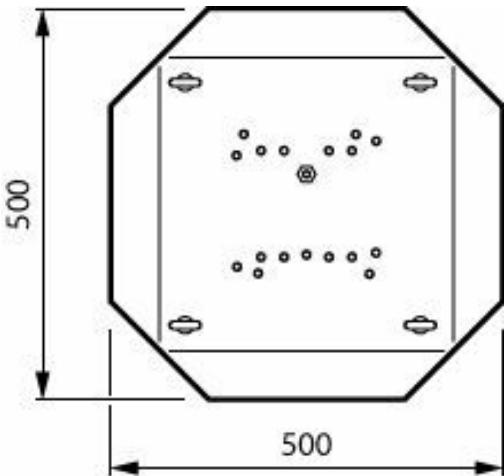


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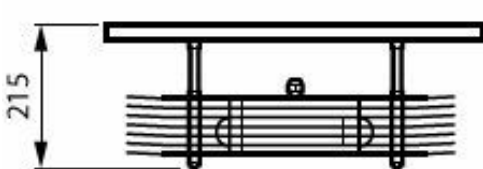
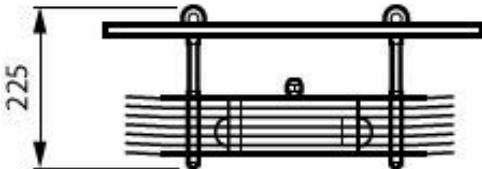
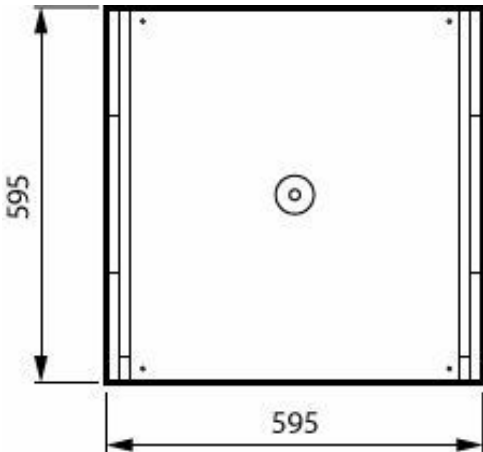
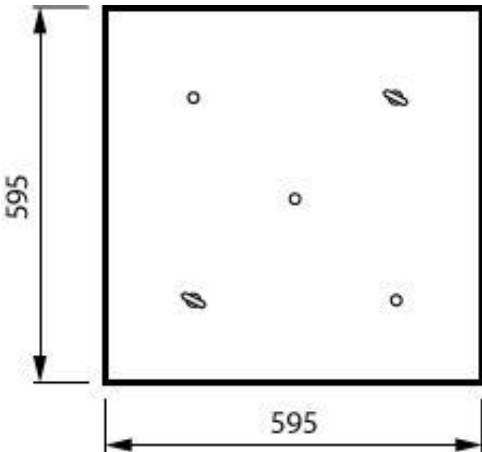
UV-C upper air CM SM355C SMB

Dimensional drawing



Dimension Drawing

Dimension Drawing



Dimension Drawing

Dimension 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 upper air CM SM355B-
DPP02



UV-C upper air CM SM355B-
DPP03

General Information

Number of gear units	4 units
Gear	HFM [HF Matchbox]
Warranty period	1 years

Light Technical

Number of light sources	4
Optic type	Lamellae louver

Operating and Electrical

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

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Material	Aluminum
Reflector material	Aluminum
Optic material	Aluminum
Housing Color	White and black
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Approval and Application

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

UV

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

Initial Performance (IEC Compliant)

Power consumption tolerance	+/-10%
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Product Data

Product family code	SM345C [PHILIPS UV-C DISINFECTION UPPER AIR]
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Mechanical and Housing

Order Code	Full Product Name	Overall height
910505103001	SM355B 4xTUV PLS 9W HFM	185 mm
910505103002	SM355B 4xTUV PLS 9W HFM MR62	185 mm
910505103004	SM355P 4x TUV PLS 9W HFM SM4	122 mm
910505103005	SM355C 4x TUV PLS 9W HFM SMB	212 mm