



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. 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

UV-C disinfection upper air ceiling mounted

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

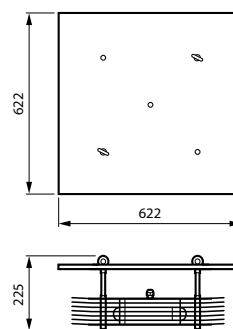
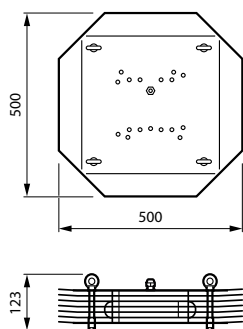


046677574505_VLIM2021046_b_5000K_FULL.tif



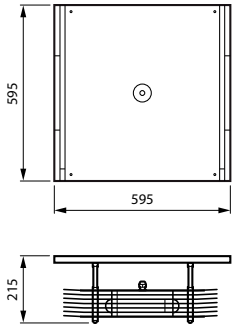
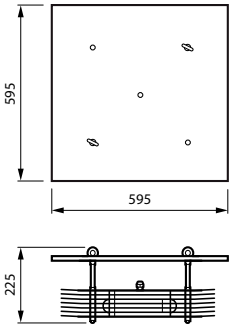
UV-C upper air CM SM355C SMB

Dimensional drawing

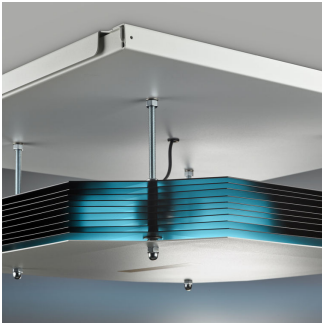


UV-C disinfection upper air ceiling mounted

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



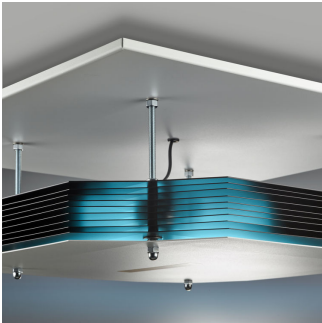
UV-C upper air CM SM355C SMB-DPP02



UV-C upper air CM SM355B-DPP02

UV-C disinfection upper air ceiling mounted

Product details



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 louver |

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 of 16 A type B | 70 |
| Power Factor (Fraction) | 0.66 |
| Suitable for random switching | No |

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

| | |
|------------------------------|-----------------|
| Housing Color | White and black |
| Housing Material | Aluminum |
| Mech. impact protection code | IK02 |
| Ingress protection code | IP20 |
| Optic material | Aluminum |
| Reflector material | Aluminum |

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

Initial Performance (IEC Compliant)

| | |
|-----------------------------|--------|
| Power consumption tolerance | +/-10% |
|-----------------------------|--------|

Product Data

| | |
|---------------------|--------|
| Product family code | SM345C |
|---------------------|--------|

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 |

UV-C disinfection upper air ceiling mounted

