



# UV-C disinfection upper air ceiling mounted

## SM355C 4x TUV PLS 9W HFM SMB

PHILIPS UV-C DISINFECTION UPPER AIR, 4, HF Matchbox,  
White and black, 38 W, 230 V

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.

### 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.

### Product data

## UV-C disinfection upper air ceiling mounted

<b>General Information</b>	
Number of gear units	4 units
Gear	HFM [HF Matchbox]
Product family code	SM345C [PHILIPS UV-C DISINFECTION UPPER AIR]
CE mark	Yes
Warranty period	1 years
Flammability mark	-
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
<b>Light Technical</b>	
Number of light sources	4
Beam angle of light source	- degree(s)
Optic type	Lamellae louver
Luminaire light beam spread	-
<b>Operating and Electrical</b>	
Input Voltage	230 V
Line Frequency	50 Hz
Inrush current	13 A
Inrush time	0.11 ms
Power Consumption	38 W
Power Factor (Fraction)	0.66
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B 70	
<b>Temperature</b>	
Ambient temperature range	+10 to +40 °C
<b>Controls and Dimming</b>	
Dimmable	No
Control interface	-
<b>Mechanical and Housing</b>	
Housing Material	Aluminum
Reflector material	Aluminum
Optic material	Aluminum
Housing Color	White and black

Mounting device	Surface & Suspended (Asymmetric/ Symmetric)
Overall length	595 mm
Overall width	595 mm
Overall height	212 mm
Dimensions (Height x Width x Depth)	212 x 595 x 595 mm
<b>Approval and Application</b>	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 3 @200mm to EN62778
Photobiological risk specification	0.2 m
<b>UV</b>	
UV-C radiation	0.37 W
UV-C irradiance defined at 2m	136 mW/m <sup>2</sup>
UV-C irradiance defined at 0.2m	1,522 mW/m <sup>2</sup>
<b>Initial Performance (IEC Compliant)</b>	
Power consumption tolerance	+/-10%
<b>Application Conditions</b>	
Maximum dim level	Not applicable
Performance ambient temperature Tq	25 °C
Suitable for random switching	No
<b>Product Data</b>	
Full product code	871951496504100
Order product name	SM355C 4x TUV PLS 9W HFM SMB
Order code	910505103005
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910505103005
Full product name	SM355C 4x TUV PLS 9W HFM SMB
EAN/UPC - Case	8719514965041
EAN/UPC - Product/Case	8719514965041

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### Dimensional drawing

