



UV-C disinfection upper air CM

SM345C C 4xTUV PLS 9W HFM

4 pcs - 220 to 240 V - 50 or 60 Hz - Safety class I - Finger-protected - 0.2 J standard

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 according IEC 62471. Like any disinfection system, UV-Clamps 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 used and installed in strict accordance with the requirements set forth in the user manual and/or the mounting instructions.
- Philips UV-C luminaires systems must only be sold 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.
- The UV-C upper air device effectiveness in the deactivation of certain viruses, bacteria, protozoa, fungi or other harmful microorganisms is as described above under the heading "Benefits". Signify and its group of companies do not promise or warrant that the use of the UV-C upper air devices will protect any user from or prevent infection and/or contamination with any viruses, bacteria, protozoa, fungi, illness or disease. The UV-C upper air devices are not approved and/or certified as a medical device by the FDA and/or any other regulatory body. As such, the UV-C upper air devices are not intended for and must not be used to disinfect medical devices and/or for medical purposes. In addition to and without limitation of any exclusions or limitations of liability of Signify and its group of companies as set forth in any agreement for the sale, distribution or otherwise making available of the UV-C upper air devices, Signify and its group of companies shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C upper air devices outside of their intended use or contrary to their installation and operation instructions, each as described in this document, the user manuals and/or the mounting instructions.

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Product data

General Information	
Number of light sources	4 pcs
Beam angle of light source	- °
Number of gear units	4 units
Gear	HFM [HF Matchbox]
Optic type	-
Luminaire light beam spread	-
Control interface	-
Connection	Mains outlet socket
Cable	Cable 0.2 m without plug
Protection class IEC	Safety class I
Glow-wire test	-
Flammability mark	-
CE mark	CE mark
ENEC mark	-
Warranty period	1 years
Number of products on MCB of 16 A type B	70
Photobiological risk	Photobiological risk group 3 @ 200mm to EN62471
EU RoHS compliant	Yes

Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 or 60 Hz
Inrush current	13 A
Inrush time	0.111 ms
Power Factor (Min)	0.6

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	Aluminum
Optic material	-
Mounting device	-

Overall length	595 mm
Overall width	198 mm
Overall height	595 mm
Color	White and black

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

UV

UV-C radiation	8.8 W
UV-C irradiance defined at 2m	11.4 $\mu\text{W}/\text{cm}^2$
UV-C irradiance defined at 20cm	137.2 $\mu\text{W}/\text{cm}^2$

Initial Performance (IEC Compliant)

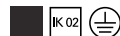
Initial input power	36 W
Power consumption tolerance	+/-10%

Application Conditions

Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	No

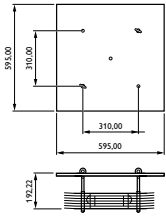
Product Data

Full product code	871951452757700
Order product name	SM345C C 4xTUV PLS 9W HFM
EAN/UPC - Product	8719514527577
Order code	911401580671
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401580671
Net Weight (Piece)	7.400 kg



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Dimensional drawing



UVC Devices

