Effective, safe and proven disinfection in minutes

UV-C disinfection chamber

The UV-C disinfection chamber is designed for disinfection of objects for professional, non-medical use.It uses a set of Philips UV-C lamps that offers spectral power within the UV Germicidal Irradiation bandwidth, which effectively inactivates pathogens such as virus, bacteria or fungi within minutes, including SARS-CoV-2, the virus that causes COVID-19.The UV-C lamp technology not only uses spectral power most effective against infectious agents, but unlike some solutions in the market, also does not cause any ozone emission that is potentially hazardous to health, making the process chemical free and cause no residue during or after usage.It comes in stainless steel housing and with tempered glass inspection window. The inspection window is a safe way to visually verify that UV-C lamps are functional and the disinfection cycle is in process, as the lamps provide a violet glow in case of operation. It has high reflective coating interior and a woven mesh tray structure to minimize shadowing and maximize UV-C dosage for that effective and fast disinfection.Operation of the device is simple, only involving use of a timer rotary and a power switch. User can simply open the door, place the object(s) to be sanitized in the designated tray(s), close the door, turn on the power and set the timer to the required disinfection duration as per the recommended disinfection time table found in the user manual. Timer will notify user once the disinfection cycle is complete, so that user can remove the object(s), close the door, and turn off the device.The UV-C chamber is a risk exempt device that is totally safe to use in an indoor environment as per the instructions in the user manual, comes with safety features built in to avoid any accidental direct exposure to UV-C radiation, including lamp shields to prevent accidental lamp breakage. UV-C disinfection chamber can be safely used for effective sterilization of objects and (shared) devices in numerous indoor applications given that it doesn't involve medical use.

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Benefits
- Based on the data made available to us by the National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University, which will be the subject of a forthcoming scientific publication by Boston University, in a laboratory setting, Signify's UV-C light sources irradiating the surface of a material inoculated with SARS-CoV-2 (the virus that causes the COVID-19 disease) at a UV-C dose of 5mJ/cm2 (exposure time 6 seconds) resulted in a 99% reduction of the SARS-CoV-2 virus present on that surface. The same study determined that a UV-C dose of 22mJ/cm2 results in a reduction of 99.9999% of SARS-CoV-2 virus on that surface (exposure time 25 seconds).
- Proven, effective disinfection over the useful long lifetime of lamp and luminaire
- No hazardous ozone emissions during or after use
- Safety features to avoid any accidental direct exposure to UV-C radiation
- Easy to operate

Features
- High reflective inner coating for effective and fast disinfection
- Lamp positioning and woven mesh tray structure optimized to minimize shadowing and maximize UV-C exposure to objects
- Tempered glass inspection window for safe visual access to objects and visual assurance that all the UV-C lamps are operational during disinfection cycle
- Philips TL Mini TUV lamps included and pre-installed
- Shortwave UV radiation peak at 253.7 nm (UVC)
- 2 safety sensor switches behind the chamber door (at the top and bottom), that turn off UV-C lamps in case of accidental door opening during disinfection process
- Complies with all applicable regulations and standards
- Removable middle tray (UVCC200) for disinfection of larger items
- Stainless-Steel chamber with sturdy trays to support heavy items up to 6Kgs

Application
- Retail (especially those allowing trial of products with higher hygiene concerns such as jewelry, make up items, lingerie, glasses, headphones, toys, etc.)
- Pharmacies
- Offices
- Banks
- Hotels
- Schools and universities
- Food courts and restaurants
- Industrial kitchens
- Fitness centers
- Barber shops and Spas
- Pick up points for E-commerce
- Courier service points

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Warnings and Safety

· DANGER: Risk Group 3 UV product inside the chamber. UV-C lamps and chamber must be installed and used in the correct way as per the instructions in the user manual
· The UV-C disinfection chamber is not approved or intended and must not be used to disinfect medical devices
· 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
· Direct exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea. The UV-C lamps must be installed and operated only in the designated lamp positions as per the instructions provided in the user manual
· It's strictly prohibited to attempt to place a pet or a baby in the UV-C chamber
· It's strictly prohibited to attempt to operate the UV-C chamber forcibly without the door, with door open, or the inspection window removed
· The UV-C's effectiveness in the inactivation of certain viruses, bacteria, protozoa, fungi or other harmful micro-organisms is as described under Benefits. Signify and its group of companies do not promise or warrant that the use of UV-C devices will protect or prevent any user from infection and/or contamination with any harmful micro-organisms, illness or disease. 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 sale, distribution or otherwise making available of UV-C 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 UV-C devices outside of their intended use or contrary to their installation and operation instructions, each as described under Applications and the user manual/mounting instruction

Versions

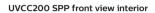**Product details**

UVCC200 SPP side view

UVCC200 SPP interior

UV-C disinfection chamber

Product details

UVCC200 SPP chamber door inside

UVCC200 SPP panel and tempered glass window

UVCC200 SPP front view interior

UV-C disinfection chamber

Application Conditions

Ambient temperature range	+10 to +40 °C
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Controls and Dimming

Dimmable	No

Operating and Electrical

Inrush time	0.456 ms
Input Frequency	50 Hz
Input Voltage	230 V
Power Factor (Min)	0.98

General Information

Cable	Cable 2.1 m with europlug connector 3-pole
CE mark	CE mark
Protection class IEC	Safety class I
Connection	Mains outlet socket
ENEC mark	–
Flammability mark	–
Gear	HF-S
Glow-wire test	Temperature 650 °C, duration 30 s
Number of gear units	–
Number of light sources	5 pcs
Number of products on MCB of 16 A type B	5
Optic type	–
EU RoHS compliant	Yes
Warranty period	1 years

Initial Performance (IEC Compliant)

Power consumption tolerance	+/-10%
Initial input power	80 W

Mechanical and Housing

Color	Silver
Housing Material	Stainless steel
Optic material	–
Reflector material	Aluminum
Overall height	660 mm

UV

UV-C irradiance defined at 20cm	1100 µW/cm²
UV-C irradiance defined at 2m	91.72 µW/cm²
UV-C radiation	80 W

Operating and Electrical

Order Code	Full Product Name	Inrush current
911401708483	UVCC200 UKI 5xTL Mini 16W / TUV HFP	42 A
911401708493	UVCC200 EU 5xTL Mini 16W / TUV HFP	13 A

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