



Philips UV-C batten, the power to protect

UVC Disinfection Batten

The UV-C batten is designed for the disinfection of surfaces and is suitable for a wide range of applications. The UV-C batten provides universal UV-C irradiance with homogenous distribution. Its disinfection capability is based on the wattage used and a specific exposure time for a given distance from that surface. No person should be present at the time of usage, due to the high risk of harm to eyes and skin. The performance is enhanced by a highly-reflective and durable aluminium body, which improves its efficacy even further and directs the UV-C light to the to-be-irradiated surfaces. The lamp holders and end caps are protected against UV-C thanks to dedicated shielding. There is a 1- and 2-lamp version available, for both the bare batten and reflector batten. This offers even greater flexibility.

Benefits

- UV-C effectively inactivates many viruses and germs on directly irradiated surfaces(1). Moreover, in laboratory testing, Signify's UV-C light sources inactivated 99% of the SARS-CoV-2 virus on a surface with an exposure time of 6 seconds.
- Proven, effective disinfection over the useful long lifetime of lamp and luminaire.
- Environmentally friendly – no ozone emissions during or after use.
- Combined with safeguards, such as controlled-access devices, it can be used safely.
- Can be used in numerous applications.

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Features

- Lamp configurations possible: 1-lamp or 2-lamp versions.
- Available with or without reflectors.
- Philips T8 TUV lamp included: 36 W.
- Shortwave UV radiation peak at 253.7 nm (UVC).
- Highly reflective aluminium housing for better reflectivity and performance.
- Various mounting options
- Complies with all applicable regulations and standards

Application

- Retail: Keep shopping trolleys, shelves and counters free from contamination
- Schools: Disinfect classroom walls, floors, desks and surfaces
- Banking: Disinfect counters, cash machines and work surfaces
- Food outlets: Eliminate bacteria on preparation surfaces and equipment
- Hair and beauty salons: Disinfect client rooms, operating floor, mirrors, chairs surfaces, and other sensitive areas
- Offices: Neutralise work rooms, meeting spaces and corridors
- Hospitality: Disinfect guest rooms, reception areas and health facilities
- Washrooms: Disinfect vanity units, basins and mirrors

Warnings and Safety

- DANGER: Risk Group 3 UV product. Like any disinfection system, UV-C 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 batten must be installed with adequate safeguards to ensure that the UV-C batten can be operated in a safe way. The UV-C battens are only to be used as components in a system that consists of adequate safeguards such as, but not limited to, those indicated in the mounting instruction and/or user manual.
- Philips UV-C products 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.
- The UV-C battens' 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 battens will protect or prevent any user from infection and/or contamination with any harmful micro-organisms, illness or disease. The UV-C battens are not approved for, are not intended and must not be used as medical devices, as such term may be defined under the applicable laws of the countries in which the battens are made available. 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 the UV-C battens, 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 battens outside of their intended use or contrary to their installation and operation instructions, each as described under "Application", the user manual and/or the mounting instructions.

Versions



UVC Disinfection Batten

Application Conditions

Ambient temperature range	-10 to +45 °C
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Controls and Dimming

Dimmable	No
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Operating and Electrical

Inrush current	18 A
Inrush time	0.25 ms
Power factor (min.)	0.95

General Information

Cable	-
CE mark	CE mark
Protection class IEC	Safety class I (I)
Connection	SI
ENEC mark	-
Flammability mark	NO
Gear	HFP
Glow-wire test	650/30
Number of gear units	1 unit
Number of products on MCB (16 A type B)	28
Optic type	No
EU RoHS compliant	Yes
Warranty period	1 years

Initial Performance (IEC Compliant)

Power consumption tolerance	+/-10%
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Mechanical and Housing

Colour	White and black
Housing material	Steel
Optic material	Aluminum
Reflector material	Aluminium
Overall height	80 mm

UV

UV-C irradiance defined at 20 cm	57.6 µW/cm ²
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Operating and Electrical

Order Code	Full Product Name	Input frequency	Input Voltage
911401524471	TMS160C 1X36W TUV SLV/6	52 or 60 Hz	222 to 240 V
911401524571	TMS160C 1X36W TUV SLV/6 R	53 or 60 Hz	223 to 240 V
911401524871	TMS160C 2X36W TUV SLV/6	54 or 60 Hz	224 to 240 V
911401524971	TMS160C 2X36W TUV SLV/6 R	55 or 60 Hz	225 to 240 V

General Information

Order Code	Full Product Name	Number of light sources
911401524471	TMS160C 1X36W TUV SLV/6	1
911401524571	TMS160C 1X36W TUV SLV/6 R	1

Order Code	Full Product Name	Number of light sources
911401524871	TMS160C 2X36W TUV SLV/6	2
911401524971	TMS160C 2X36W TUV SLV/6 R	2

Initial Performance (IEC Compliant)

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Order Code	Full Product Name	Initial input power
911401524471	TMS160C 1X36W TUV SLV/6	36 W
911401524571	TMS160C 1X36W TUV SLV/6 R	36 W

Order Code	Full Product Name	Initial input power
911401524871	TMS160C 2X36W TUV SLV/6	72 W
911401524971	TMS160C 2X36W TUV SLV/6 R	72 W

UV

Order Code	Full Product Name	UV-C radiation
911401524471	TMS160C 1X36W TUV SLV/6	14 W
911401524571	TMS160C 1X36W TUV SLV/6 R	12.5 W

Order Code	Full Product Name	UV-C radiation
911401524871	TMS160C 2X36W TUV SLV/6	28 W
911401524971	TMS160C 2X36W TUV SLV/6 R	24 W

