



UVC Disinfection Linear

TMS160C 1X36W TUV SLV/6 R Sensor

1, 36 W, 220 to 240 V, 50 Hz, Safety class I, Finger-protected, 0.2 J standard

The UV-C linear with sensor is designed for the disinfection of surfaces and is suitable for a wide range of applications. The UV-C linear provides universal UV-C irradiance with homogenous distribution. Its disinfection capability is based on wattage used and a specific exposure time for a given distance from that surface. No persons or animals should be present at the time of usage, due to high risk of harm to eyes and skin. It comes with safeguard controls using sensor monitoring, which automatically shuts down the UV-C linear should a person or animal be detected within the range of the sensor. The performance is enhanced by a highly-reflective and durable aluminum body, which improves its efficacy even further and directs the UV-C light to the to-be-irradiated surfaces and within the sensor range.

Datasheet, 2024, February 13 data subject to change

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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 linear must be installed with adequate safeguards to ensure that the UV-C linear can be operated in a safe way. The UV-C linears 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 disinfection linears' effectiveness in the inactivation of certain viruses, bacteria, protozoa, fungi or other harmful microorganisms is as described under "Benefits". Signify and its group of companies do not promise or warrant that the use of UV-C linears will protect any user from or prevent from infection and/or contamination with any harmful micro-organisms, illness or disease. The UV-C linears are not approved and/or certified as a medical device by the FDA and/or any other regulatory body. As such, UV-C linears are not intended for and must not be used to disinfect medical devices, spaces with 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 sale, distribution or otherwise making available of UV-C linears, 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 linears outside of their intended use or contrary to their installation/operation instructions.

Product data

General Information	
Number of gear units	1 unit
Gear	HFP [HF Performer]
CE mark	CE mark
Warranty period	1 years
Flammability mark	-
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Number of light sources	1
Beam angle of light source	- degree(s)
Optic type	Lamellae louver
Luminaire light beam spread	-
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 Hz
Inrush current	18 A
Inrush time	0.25 ms
Power Consumption	36 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	-
Number of products on MCB of 16 A type B	28
Temperature	
Ambient temperature range	+10 to +40 °C

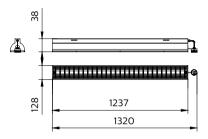
Controls and Dimming	
Dimmable	No
Control interface	-
Mechanical and Housing	
Housing Material	Steel
Reflector material	Aluminum
Optic material	Aluminum
Housing Color	White and black
Mounting device	Surface & Suspended (Asymmetric/
	Symmetric)
Overall length	1,320 mm
Overall width	128 mm
Overall height	120 mm
Dimensions (Height x Width x Depth)	120 x 128 x 1320 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 3 @200mm to
	EN62778
UV	
UV-C radiation	10.1 W
UV-C irradiance defined at 0.2m	57.6 μW/cm²
Initial Performance (IEC Compliant)	
Power consumption tolerance	+/-10%
Application Conditions	
Performance ambient temperature Tq	25 °C

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Maximum dim level	Not applicable
Suitable for random switching	No
Product Data	
Order product name	TMS160C 1X36W TUV SLV/6 R Sensor
Full product name	TMS160C 1X36W TUV SLV/6 R Sensor
Full product code	872016952139199
Order code	911401555171

Material Nr. (12NC)	911401555171
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169521391
Numerator - Packs per outer box	4
EAN/UPC - Case	8720169521391

Dimensional drawing





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