



# UVC Disinfection Batten

## TMS160C 2X36W TUV SLV/6

2 pcs - 224 to 240 V - 54 or 60 Hz - Safety class I - Finger-protected - 0.2 J standard

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 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 high risk of harm to eyes and skin. 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. 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 a greater flexibility.

# UVC Disinfection Batten

## 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 instruction.

## Product data

| General Information                      |   |
|--|---|
| Number of light sources                  | 2 pcs   |
| Beam angle of light source               | - °   |
| Number of gear units                     | 1 unit  |
| Gear                                     | HFP [ HF Performer]                             |
| Optic type                               | -   |
| Luminaire light beam spread              | -   |
| Control interface                        | -   |
| Connection                               | Screw connection block 3-pole                   |
| Cable                                    | -   |
| Protection class IEC                     | Safety class I                                  |
| Glow-wire test                           | Temperature 650 °C, duration 30 s               |
| Flammability mark                        | -   |
| CE mark                                  | CE mark   |
| ENEC mark                                | -   |
| Warranty period                          | 1 years   |
| Number of products on MCB of 16 A type B | 28  |
| Photobiological risk                     | Photobiological risk group 3 @ 200mm to EN62475 |
| EU RoHS compliant                        | Yes   |

## Operating and Electrical

|                    |              |
|--------------------|--------------|
| Input Voltage      | 224 to 240 V |
| Input Frequency    | 54 or 60 Hz  |
| Inrush current     | 18 A         |
| Inrush time        | 0.25 ms      |
| Power Factor (Min) | 0.95         |

## Controls and Dimming

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Mechanical and Housing

|                    |  |
|--------------------|--|
| Housing Material   | Steel                                      |
| Reflector material | Aluminum                                   |
| Optic material     | Aluminum                                   |
| Mounting device    | Surface & Suspended (Asymmetric/Symmetric) |
| Overall length     | 1230 mm                                    |
| Overall width      | 105 mm                                     |
| Overall height     | 80 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                  | 28 W        |
| UV-C irradiance defined at 20cm | 57.6 µW/cm² |

## Initial Performance (IEC Compliant)

|                             |        |
|-----------------------------|--------|
| Initial input power         | 72 W   |
| Power consumption tolerance | +/-10% |

## Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Ambient temperature range          | -10 to +45 °C  |
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |
| Suitable for random switching      | No             |

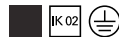
## Product Data

|                   |              |
|-------------------|--------------|
| Full product code | 911401524871 |
|-------------------|--------------|

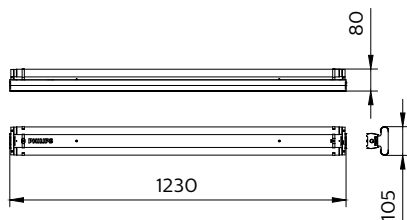
## UVC Disinfection Batten

|                                 |                         |
|---------------------------------|-------------------------|
| Order product name              | TMS160C 2X36W TUV SLV/6 |
| Order code                      | 911401524871            |
| Numerator - Quantity Per Pack   | 1                       |
| Numerator - Packs per outer box | 6                       |
| Material Nr. (12NC)             | 911401524871            |

Net Weight (Piece) 1.283 kg



### Dimensional drawing



UVC Devices

