



# UV-C disinfection upper air CM

## SM345C 4xTUV PLS 9W HFM

4 pcs - HF Matchbox - White and black - 38 W - 230 V

As part of the Philips UV-C disinfection upper air device series, 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. Like any disinfection system, UV-C lamps 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 installed together with adequate safeguards to ensure that the UV-C upper air device can be operated in a safe way. The UV-C upper air device are only to be used as components in a system that consists of adequate safety safeguards such as, but not limited to, those indicated in the mounting instructions and/or user manuals.
- Direct exposure to UV-C is dangerous. Philips UV-C luminaires systems 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.

### Product data

| General Information        |       |                      |                    |
|----------------------------|-------|----------------------|--------------------|
| Number of light sources    | 4 pcs | Number of gear units | 4 units            |
| Beam angle of light source | - °   | Gear                 | HFM [ HF Matchbox] |
|                            |       | Optic type           | Lamellae louver    |

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|  |   |
|--|---|
| Luminaire light beam spread              | -   |
| Control interface                        | -   |
| Connection                               | Push-in connector 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 | 38  |
| Photobiological risk                     | Photobiological risk group 3 @ 200mm to EN62471 |
| EU RoHS compliant                        | Yes   |

### Operating and Electrical

|                    |         |
|--------------------|---------|
| Input Voltage      | 230 V   |
| Input Frequency    | 50 Hz   |
| Inrush current     | 13 A    |
| Inrush time        | 0.11 ms |
| Power Factor (Min) | 0.64    |

### Controls and Dimming

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

### Mechanical and Housing

|                    |                             |
|--------------------|-----------------------------|
| Housing Material   | Aluminum                    |
| Reflector material | Aluminum                    |
| Optic material     | Aluminum                    |
| Mounting device    | Frame for recessed mounting |
| Overall length     | 595 mm                      |
| Overall width      | 595 mm                      |
| Overall height     | 155 mm                      |
| Color              | White and black             |

|                                     |   |
|-------------------------------------|---|
| Dimensions (Height x Width x Depth) | 155 x 595 x 595 mm (6.1 x 23.4 x 23.4 in) |
|-------------------------------------|---|

### Approval and Application

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

### UV

|                                 |                                 |
|---------------------------------|---------------------------------|
| UV-C radiation                  | 0.335 W                         |
| UV-C irradiance defined at 2m   | 11.44 $\mu\text{W}/\text{cm}^2$ |
| UV-C irradiance defined at 20cm | 137.2 $\mu\text{W}/\text{cm}^2$ |

### Initial Performance (IEC Compliant)

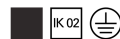
|                             |        |
|-----------------------------|--------|
| Initial input power         | 38 W   |
| Power consumption tolerance | +/-10% |

### Application Conditions

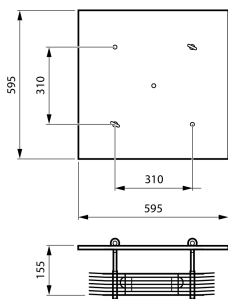
|                                    |                |
|------------------------------------|----------------|
| Ambient temperature range          | +10 to +40 °C  |
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |
| Suitable for random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

### Product Data

|                                 |                         |
|---------------------------------|-------------------------|
| Full product code               | 871869690444200         |
| Order product name              | SM345C 4xTUV PLS 9W HFM |
| EAN/UPC - Product               | 8718696904442           |
| Order code                      | 919206000021            |
| Numerator - Quantity Per Pack   | 1                       |
| Numerator - Packs per outer box | 1                       |
| Material Nr. (12NC)             | 919206000021            |
| Net Weight (Piece)              | 7.500 kg                |



## Dimensional drawing



### UV-C disinfection devices