

## TECHNICAL DATASHEET

**UVC disinfection for germ-free room air****UVELIOS® 100**

Air disinfection system for closed rooms

The UVELIOS® 100 wall-mounted device is used for effective air disinfection in rooms that are not connected to a central air conditioning system (ventilation system). Thanks to its closed design, the UVELIOS® 100 can be used in rooms where people are constantly present.

Viruses can be killed excellently using UVC radiation (254nm), including SARS-CoV-2 viruses as well as influenza viruses. If, for example, a comparison is made with influenza viruses and a reduction of D90 (1log) is assumed, a lethal dose of \*4mJ/cm<sup>2</sup> is all that is required for a SARS-CoV-2 virus.

The device is equipped with two high-performance UV-C lamps and is suitable for disinfecting rooms with an air volume of up to 100 m<sup>3</sup>. The integrated fans for active air circulation have been specially developed to convey a high volume of air with minimal noise emissions.

Thanks to its compact design and simple installation, the UVELIOS® 100 can be used in a wide variety of environments, such as offices, schools, nurseries, public facilities, cold rooms, waiting rooms, laboratories and patient rooms in hospitals.

A service life of 10,000 hours is achieved by using high-quality lamps. An integrated operating hours counter signals a timely lamp change so that an efficient reduction of the air germination level is always guaranteed.

The UV-C disinfection system is maintained by changing the tubes; there are no other wearing parts in the UVELIOS® 100. The device is connected to the conventional domestic power supply using a safety plug and is therefore ready for use immediately at the touch of a button.

\*These are theoretical and literature values and may therefore vary.



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### Product features

- Robust industrial housing
- Ready-to-use delivery
- Simple assembly
- Low noise emission
- Long service life of the lamps
- Efficient reduction of the airborne germ level

### Areas of application

- Office and production rooms
- Schools
- Kindergartens
- public institutions
- Cold storage rooms
- Packaging material warehouses
- Waiting rooms
- Laboratories
- Patient rooms in hospitals

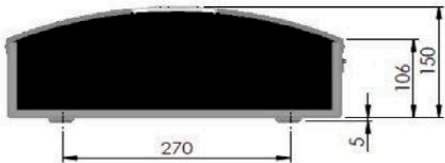
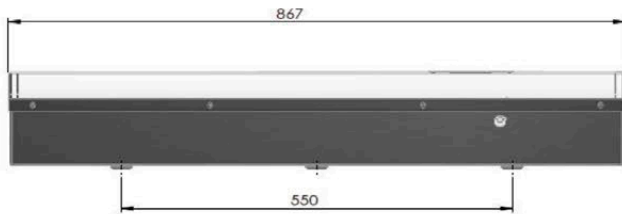
### Technical data

| General data                     | UVELIOS® 100 traffic white  | UVELIOS® 100 traffic gray<br>(only on request)  |
|----------------------------------|---|---|
| Art. No.                         | 43230   | 43228   |
| Material                         | Sheet steel, powder-coated  | Sheet steel, powder-coated  |
| Mounting type                    | Wall mounting   | Wall mounting   |
| Stat. commodity code             | 84213925  | 84213925  |
| <b>Geometric data</b>            |   |   |
| Dimensions (LxWxD)               | 867 mm x 396 mm x 155 mm  | 867 mm x 396 mm x 155 mm  |
| Weight                           | approx. 15 kg   | approx. 15 kg   |
| Room size                        | up to approx. 100 m <sup>3</sup>  | up to approx. 100 m <sup>3</sup>  |
| <b>Electronic data</b>           |   |   |
| Supply voltage                   | 230 V / 50-60 Hz, safety plug   | 230 V / 50-60 Hz, safety plug   |
| UV-C lamps                       | Two PUV-LP 650/01 UV lamps  | Two PUV-LP 650/01 UV lamps  |
| Reflector total light reflection | ≥ 95 %  | ≥ 95 %  |
| Power consumption                | 80 W  | 80 W  |
| Operation                        | Control unit with digital display, operating hours display, lamp replacement reminder | Control unit with digital display, operating hours display, lamp replacement reminder |
| Lamp duration                    | 10.000 h  | 10.000 h  |

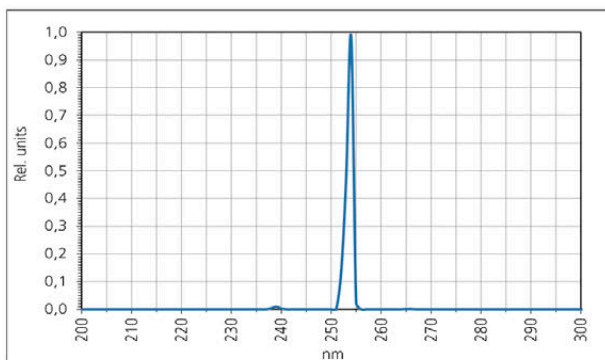


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### Dimensions



### Spectral distribution



### Special notes

