



---

## UV-C Sterilon **MAX Pro**



# Let's stay safe every day!

In a clinic, office, restaurant or in the underground... Wherever you are, you will feel more secure from now on.

Widespread vaccinations, social distancing and wearing masks are the main tools in the fight against the COVID-19 pandemic. And another important thing for people's safety is efficient disinfection.

We introduce an extremely efficient and effective device for air disinfection. Thanks to the UV-C technology, well-known and proven for over 100 years, the STERILON family is **nearly 100% effective in removing viruses, bacteria and mould** (according to DIN/TS 67506).

The UV-C STERILON devices destroy not only coronaviruses, including Sars-CoV-2, but also many other viruses, bacteria, mould and pathogens that are dangerous to life and health, which are transmitted by droplets or through contaminated objects.

These include pathogens causing:

- monkey pox, chicken pox, black pox
- flu
- bird flu
- rotaviruses
- adenoviruses

**99.8%**

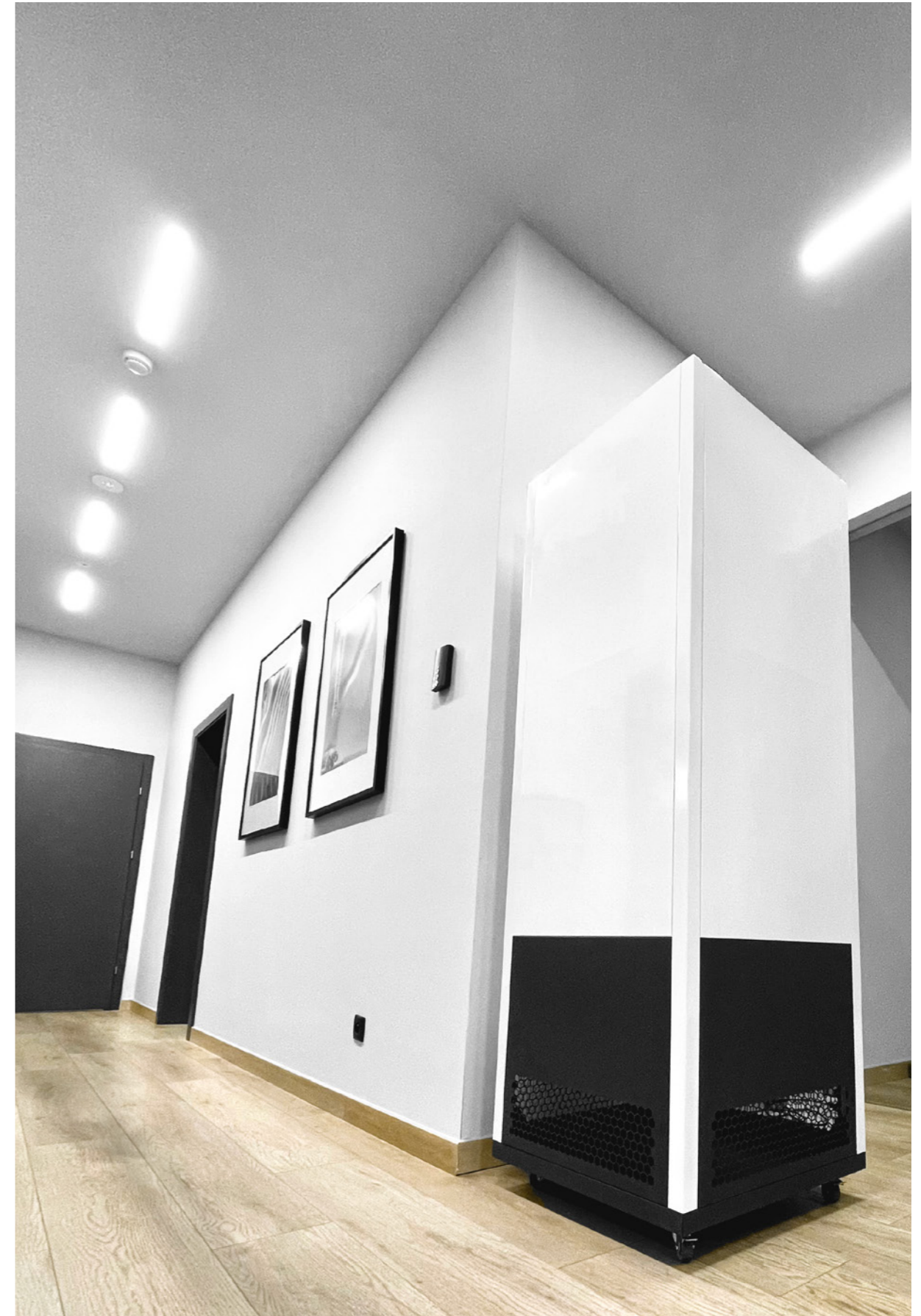
neutralization  
of viruses, fungi  
and bacteria

**91** J/m<sup>2</sup>

max. value of a  
single dose



The test was carried out according to the DIN/TS 67506 standard





# Safe in any place

The UV-C STERILON devices are used in places occupied by ill people, e.g. in hospitals, medical practices and clinics. The purpose of their operation is protecting medical personnel against infection with dangerous pathogens.

They also provide active protection for chronically ill people or people in convalescence. A special group whose safety should be supported by the UV-C Sterilon devices should include people who have undergone transplants or awaiting a transplant, as well as people suffering from oncological diseases and those with reduced immunity.

The air disinfection capabilities make the UV-C Sterilon devices usable not only in medical facilities. They increase safety in workplaces, schools, kindergartens, public institutions, e.g. in offices and courts, as well as in hotels and restaurants.

Regularly used, they drastically eliminate pathogens from the air, so that a disease cannot be transmitted and spread.

# Evidence-based effectiveness

The disinfection efficiency of the UV-C Sterilon Max Pro 1200 and 800 has been thoroughly tested by the independent GMBU Institute (Gesellschaft zur Förderung von Medizin-, Bio- und Umwelttechnologien e.V). As stated in the report and the received certificates:

The UV-C Sterilon Max Pro 1200 and 800 air-flow luminaire was tested in accordance with the requirements of the **DIN/TS 67506** standard. As the test showed, the amount of microbes, fungi and mould in the room was reduced by **99.8%**.

Measurements of the UV-C emission and assessment of the suitability and use of the UV-C Sterilon Max Pro 1200 and 800 device in

the environment of people sensitive to UV-C radiation were also carried out in accordance with the **DIN/TS 67506** standard. In this respect, the UV-C Sterilon Max Pro 1200 and 800 devices also met the high requirements of the standard. The tests of an independent institute also confirmed the fact that the device does not pose a photographic hazard as far as the criteria set out in the above-mentioned standard are concerned.

**GMBU**

Gesellschaft zur Förderung  
von Medizin-, Bio- und  
Umwelttechnologien e.V.





# Because trust **matters**

The UV-C Sterilon family of airflow luminaires work in the background, in your presence, so that you can focus on your work or whatever you like doing.

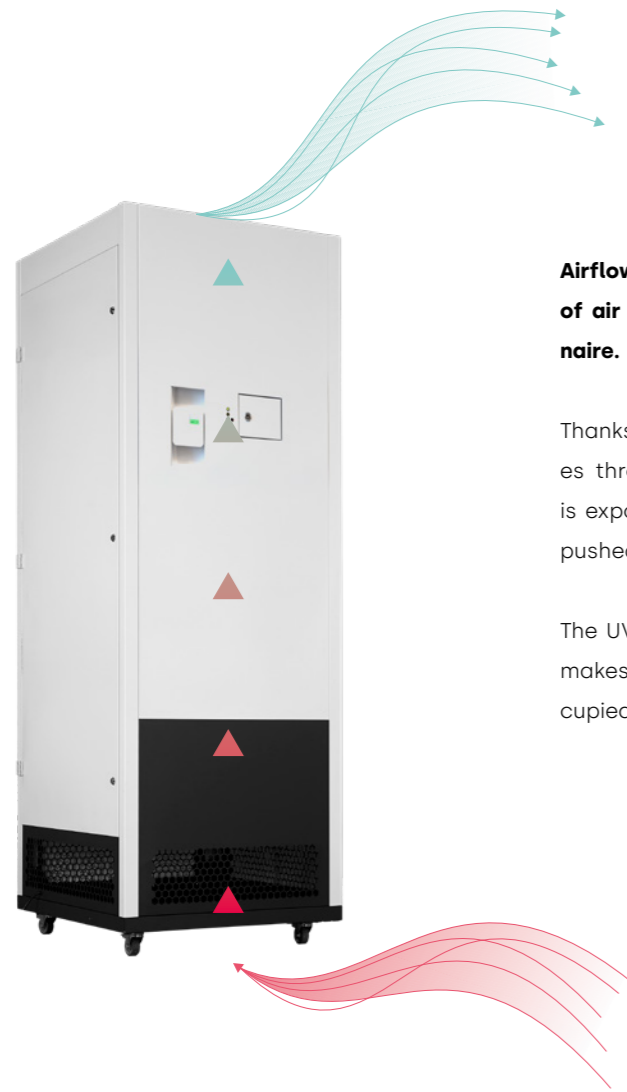
**Ultraviolet light is an effective tool in the fight against viruses, bacteria and mould. For many years, it has been widely used in medical institutions: in hospitals, for decontamination of operating theatres, treatment rooms, patient rooms, tools and medical devices.**

With airflow luminaires representing the UV-C Sterilon family, you can safely disinfect rooms occupied by people. This is possible thanks to their design, thanks to which the UV-C light does not leak outside the luminaire.

UV-C light disinfection is also commonly used to pasteurise milk, decontaminate means of transport and sterilise tools in beauty and hairdressing salons.

# Airflow disinfection

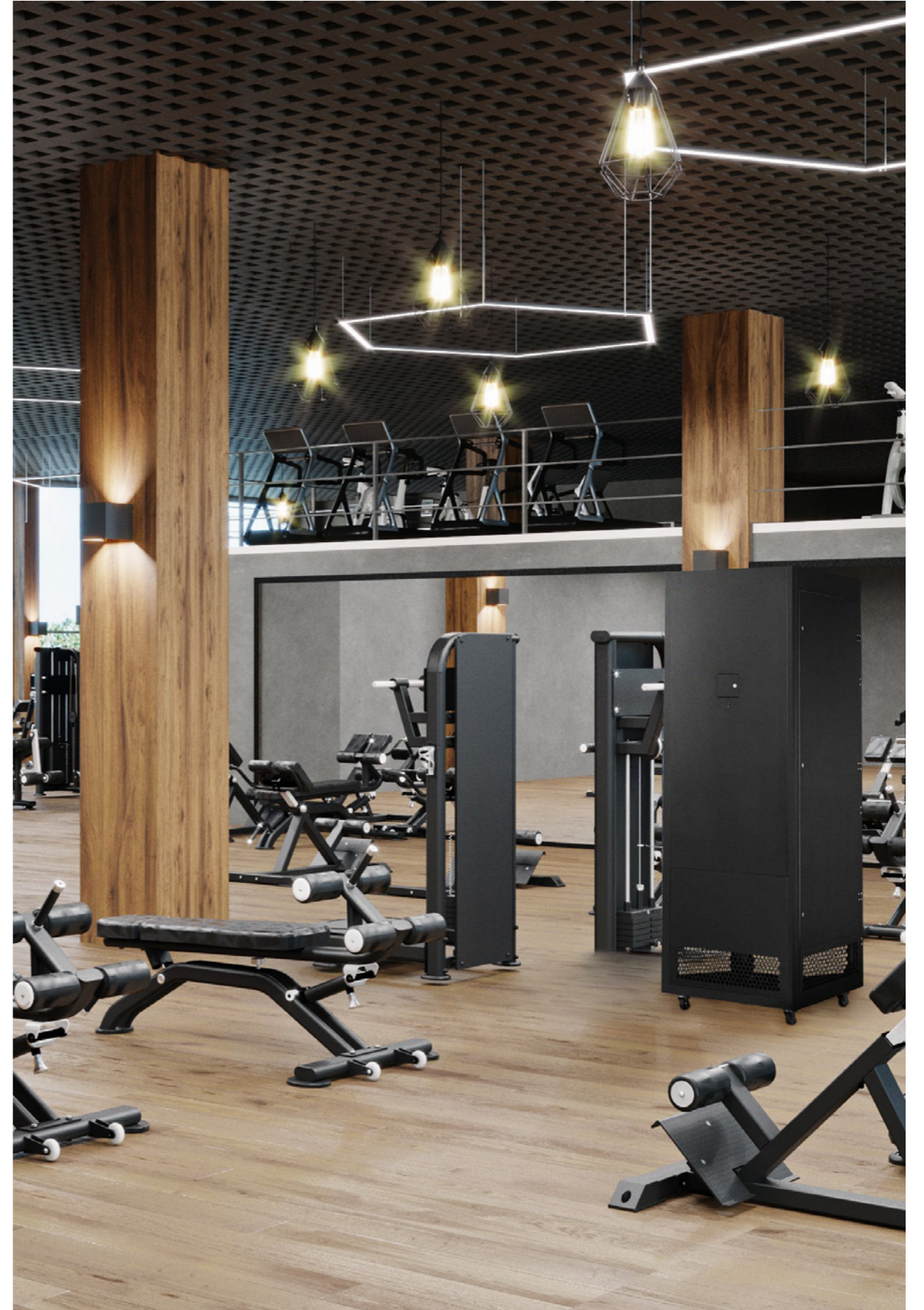
## UV-C STERILON



**Airflow disinfection consists in UV-C irradiation of air flowing through the interior of the luminaire.**

Thanks to stimulated circulation, the air passes through the disinfection chamber, where it is exposed to the light and sterilised, and then pushed out into the room.

The UV-C rays do not reach the outside, which makes this luminaire ideally suited for places occupied by many people.



# Airflow disinfection

01 / 01

## UV-C STERILON MAX PRO

**The Sterilon Max UV-C airflow devices are extremely effective in destroying all forms of microorganisms such as viruses, bacteria, mould and mites.**

The suitable radiation power of the device is sufficient to effectively disinfect the air during each flow. Such power makes it possible to eliminate 99.8% of viruses including SARS-CoV-2 during each flow.



### Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet
- Colour: black; white and graphite.
- The body is made of carbon steel.
- All paint coatings are resistant to the full range of UV radiation (A, B, C).
- Dust filter
- Light source lifespan: 9000 h
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Class of protection against electric shock: I
- Ingress protection class: IP20
- Integrated panel with control buttons.
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Power cord: 4 m
- Single dose of 91 J/m<sup>2</sup>
- Smooth air flow adjustment: from 500 m<sup>3</sup>/h to 800 m<sup>3</sup>/h (version 800); from 500 m<sup>3</sup>/h to 1200 m<sup>3</sup>/h (version 1200); from 500 m<sup>3</sup>/h to 1500 m<sup>3</sup>/h (version 1500).
- Noise level at minimum airflow: <31 dB.
- Noise level at airflow: version 800 (500 m<sup>3</sup>/h) - 31 db version 1200, 1500 (1000 m<sup>3</sup>/h) - 37 db
- Nominal power of the replaceable UV-C source: 360 W.
- Net weight: 85 kg.
- It is possible to customize the lamp marking to fit in with the design and character of the interior.
- Options: HEPA H13 filter, carbon filter



# About

## GMBU e.V.

GMBU e.V. is a non-profit research institution consisting of three specialised sections based in Germany – in Saxony-Anhalt, Thuringia and Saxony.

**The main areas of GMBU e.V. specialisation include bioanalytics, chemical and bioprocess engineering, photonics and optosensors, as well as nanotechnology and layered technology.**

Since its establishment in 1992, the GMBU e.V. institute has been focused on research and innovation. Its activity constitutes a link between the area of research and industry.

As a know-how centre specialising in the field of medical, biological and environmental technologies, the association also serves other entities in the field of technology consulting and coordination of innovation development.





 **LENA**  
LIGHTING

   lenalighting

Lena Lighting S.A.  
ul. Kórnicka 52, 63-000 Środa Wielkopolska  
Tel. +48 (61) 28 60 300, E-Mail: [hello@lenalighting.pl](mailto:hello@lenalighting.pl)

[www.lenalighting.com](http://www.lenalighting.com)