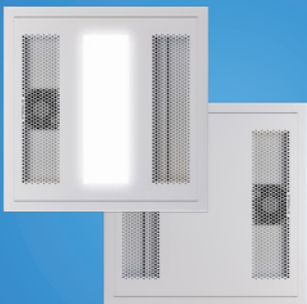




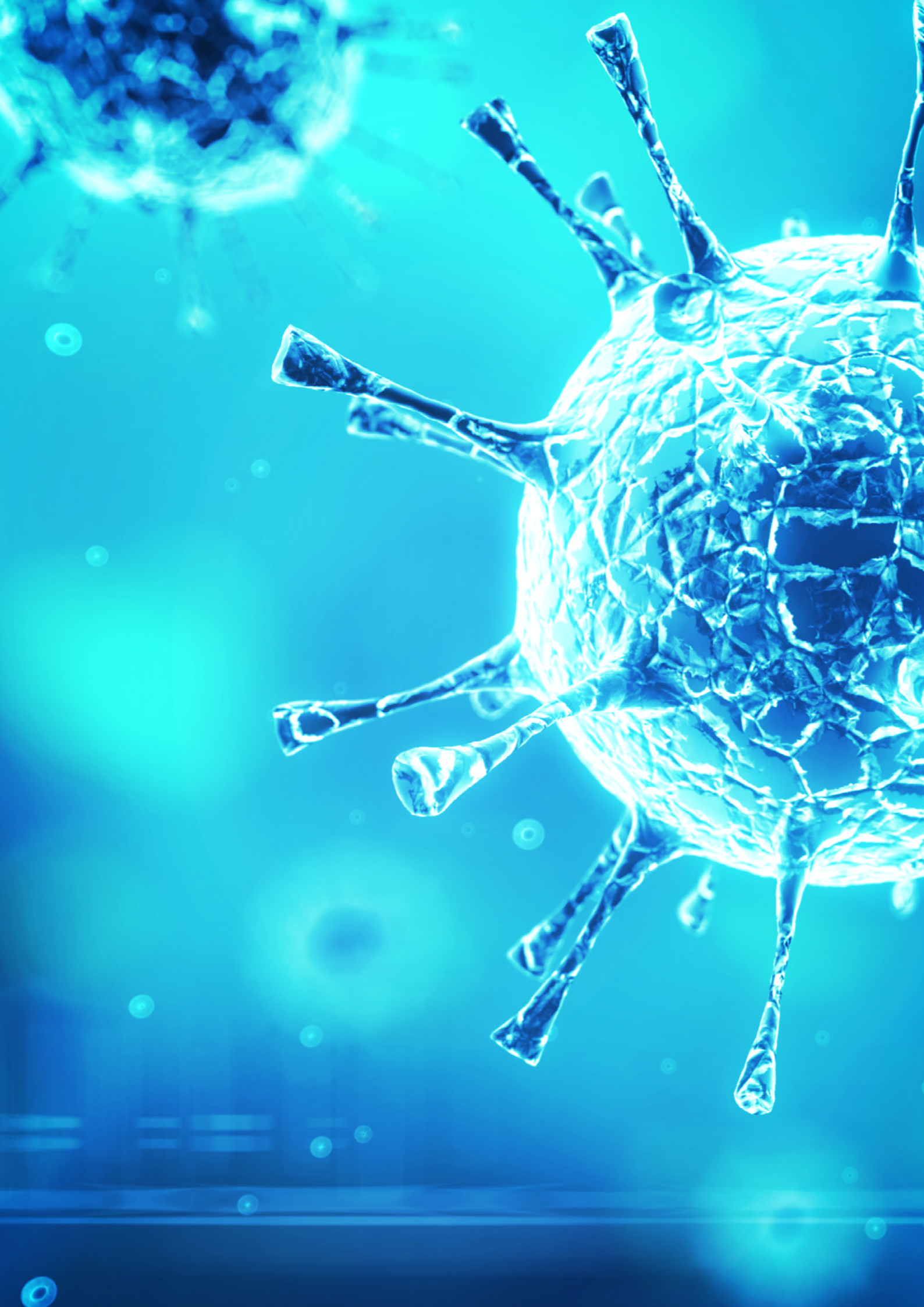
# STERYLIS<sup>®</sup>

## LIGHT AIR

### PROFESSIONAL CEILING SYSTEM UV-C AIR DISINFECTION



- It destroys coronavirus in a human-safe manner
- It safely disinfects indoor space air while the space is being occupied
- It effectively kills viruses, bacteria, fungi, moulds and mites



In October 2020, the U.S. CDC updated its guidelines on minimising COVID-19 transmission in confined spaces. In addition to standard methods, the agency also recommends eliminating the “source of infection.” The way to eliminate the source is through constant air disinfection, leading to the ongoing reduction of coronavirus in the air we breathe.

According to scientific reports, researchers have long suspected, that **coronavirus can be transmitted through the air**. These are particles smaller than 5 micrometres (aerosols), emitted when we talk or even just breathe.

These particles can remain airborne for up to about 12 hours. They remain in a room long after the infected person has left and be transmitted far from the source of emission. The risk of infection therefore extends over a larger and larger area, eventually covering the entire interior space.

Admittedly, smaller particles carry less virus than larger ones. However, the high infectivity of SARS-CoV-2 and the fact that infection is possible despite the absence of COVID-19 symptoms, make these particles important in virus transmission.

Until now, it has been the so-called droplet route to have been suspected as being the main source of coronavirus infections. These droplets are large particles emitted when coughing or sneezing, with a large viral load, which fall to the ground or floor fairly quickly. In this case, social distancing and protective face masks help prevent infection to a great extent.

Another challenge with coronavirus is its ability to remain infectious on different surfaces for up to several days.

**CDC** - Centers for Disease Control and Prevention is an agency of the US federal government, part of the Department of Health and Human Services, equivalent of the Chief Sanitary Inspectorate in Poland.



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**STERYLIS**®  
LIGHT AIR

# BENEFITS

## SAFETY

confirmed by certificates.

## IMPROVED COMFORT

life and work with the use of UV-C technology.

## VERSATILITY

Our solution can be used in any indoor space and in any type of ceiling surface.

#improvesyourlife

# FACTS

- **IT DESTROYS CORONAVIRUS** in a human-safe manner.
- It safely disinfects indoor space air **WHILE THE SPACE IS BEING OCCUPIED.**
- It effectively **KILL VIRUSES, BACTERIA, FUNGI, MOULDS AND MITES.**



# ADVANTAGES

## 2in1 UV-C DISINFECTION + LED ILLUMINATION IN 1 DEVICE

STERYLIS LIGHT AIR is a unique combination of safety and practicality.



### PREVENTS PROLIFERATION OF MICROORGANISMS

Prevents biofilm growth on the surface of water bodies and helps keep air purification systems clean.



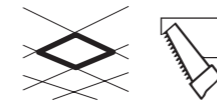
### RELIABLE DISINFECTION

The disinfection effect is directly associated with the UV-C dose (intensity and exposure time). Upon implementation of the system its effectiveness can be easily measured.



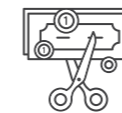
### SAFETY WHEN STAYING INDOORS

As it features specially designed light traps, the UV-C radiation does not escape the unit. Hence indoor space can be safely occupied during the disinfection process.



### EASY ADAPTABILITY AND VERSATILITY

Dimension of STERYLIS LIGHT AIR fit a standard ceiling tile, which makes the system easy and trouble-free to install in the existing cassette ceilings. It can also be either flush or surface mounted. Its weight and height are particularly suitable for the requirements of ceiling surfaces.



### LUMINAIRE MAINTENANCE WITHOUT DISASSEMBLY

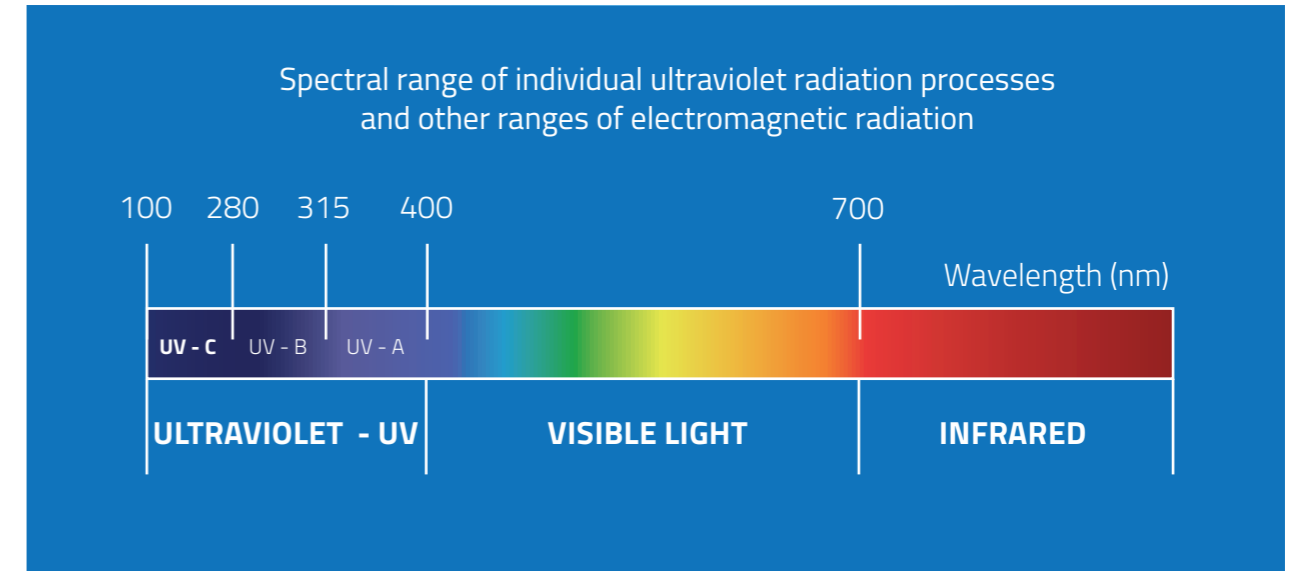
The STERYLIS LIGHT AIR system features low installation and operating costs as well as easy operation and maintenance. STERYLIS LIGHT AIR has a unique tool-less access system for quick and convenient servicing of the luminaire without having to dismantle it.



# UV-C RADIATION



## UV-C RADIATION EFFECTIVENESS



Ultraviolet radiation is defined as electromagnetic radiation in the wavelength range from 100 nm to 400 nm.

STERYLIS LIGHT AIR uses sources of UV-C radiation with wavelengths most effective in combating microorganisms: **253.7 nm**. Even a small dose of UV-C causes an irreversible damage to coronavirus DNA, RNA and leads to its neutralization.

UV-C radiation features strong biocidal properties. It is one of the most effective methods for disinfection, deriving directly from natural phenomena.

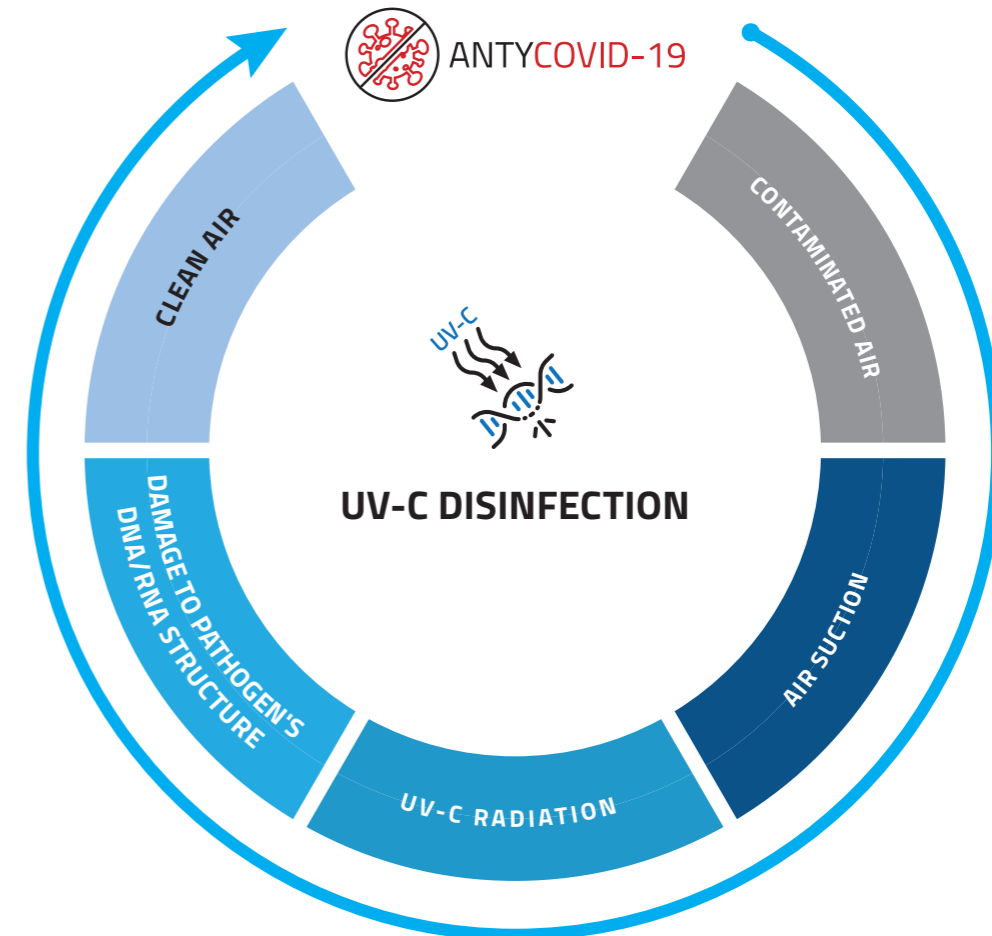
UV-C radiation is part of the ultraviolet band of radiation produced by the sun. It is not visible to the human eye and does not reach the earth's surface as it is absorbed by the atmosphere. However, UV-C radiation can be produced artificially and used for disinfection by employing lighting technology.

UV-C technology is provided by





# UV-C DISINFECTION CYCLE



After passing through the disinfection duct of STERYLIS LIGHT AIR, the air is purified of any viruses, pathogens, fungi and moulds. STERYLIS LIGHT AIR luminaire has been optimised for a unit dose of **> 50 J/m<sup>2</sup>** - scientifically proven to be effective in destroying the SARS-CoV-2 virus.

STERYLIS LIGHT AIR ensures **full photobiological safety against UV-C leakage** - risk group RG0 according to PN-EN 62471.

**WITH STERYLIS LIGHT AIR YOU KEEP PEOPLE SAFE!**

# LIGHT AIR 60

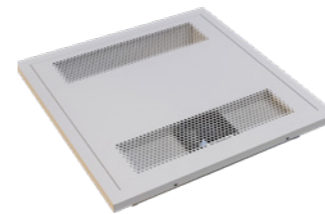
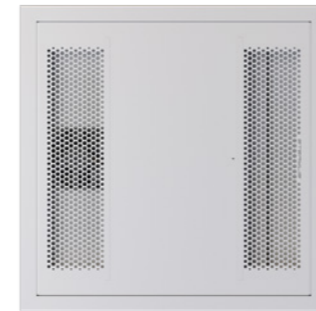
## UV-C DISINFECTION

# STERYLIS LIGHT AIR 60



Made in  
POLAND

UV-C CE



STERYLIS LIGHT AIR 60 is a device for air disinfection of indoor space while it is being occupied. STERYLIS LIGHT AIR 60 utilises UV-C technology for the disinfection process. It is designed for flush mounting and in coffered ceilings (it corresponds to the size of a standard ceiling coffer with the total surface area of 60x60 cm).



Certified by the National Institute of Hygiene (PZH):  
Sterylis LIGHT AIR 60,  
no. B-BK-60212-0215/21 valid until 2026-02-18

### Features of the device:

- state-of-the-art UV-C (253,7 nm) radiation sources by LEDVANCE with proven efficiency
- luminaire design optimised for a unit dose > 50 J/m<sup>2</sup> (scientifically proven SARS-CoV-2 virus destruction)
- full photobiological safety against UV-C leakage - risk group RGO according to EN 62471
- UV-C source lifetime of 10 800 hours
- top quality branded fans with low noise and service life in excess of 50 000 hours
- built-in smart controller: failure monitoring and signalling (fan, UV-C sources), operating time count for UV-C sources as well as replacement signalling
- dedicated for standard cassette ceilings: 60x60 cm
- flush mounting option
- unique tool-less access system for quick and convenient servicing of the luminaire without having to dismantle it
- powder coated metal housing.

RECOMMENDED CUBIC VOLUME | AREA  
INDOOR SPACE:

UV-C disinfection **up to 60 m<sup>3</sup> | 20 m<sup>2</sup>**  
with 1 unit



# LIGHT AIR+ 60

## UV-C DISINFECTION + LIGHTING

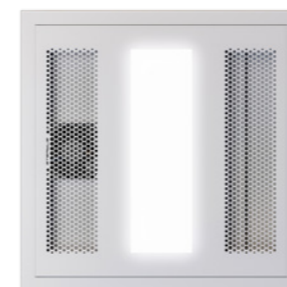
# STERYLIS LIGHT AIR+ 60



Made in  
POLAND



UV-C



STERYLIS LIGHT AIR+ 60 is a 2-in-1 device combining the function of air disinfection (in UV-C technology) and room illumination with LED light sources. STERYLIS LIGHT AIR+ 60 disinfects indoor space air while it is being occupied. It is designed for flush mounting and in coffered ceilings (corresponds to the size of a standard 60x60cm coffer).



Certified by the National Institute of Hygiene (PZH):  
Sterylis LIGHT AIR+ 60,  
no. B-BK-60212-0221/21 valid until 2026-02-18

### Features of the device:

- state-of-the-art UV-C (253,7 nm) radiation sources by LEDVANCE with proven efficiency
- luminaire design optimised for a unit dose > 50 J/m<sup>2</sup> (scientifically proven SARS-CoV-2 virus destruction)
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- dedicated for standard cassette ceilings: 60x60 cm
- flush mounting option
- unique tool-less access system for quick and convenient servicing of the luminaire without having to dismantle it
- powder coated metal housing.

RECOMMENDED CUBIC VOLUME | AREA  
INDOOR SPACE:

UV-C disinfection **do 60 m<sup>3</sup> | 20 m<sup>2</sup>**  
with 1 unit

# LIGHT AIR 60 NT

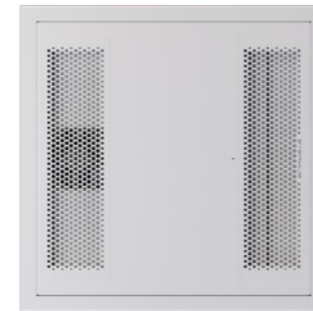
## UV-C DISINFECTION

# STERYLIS LIGHT AIR 60 NT



Made in  
POLAND

UV-C CE



STERYLIS LIGHT AIR 60 NT is a device for air disinfection of indoor space while it is being occupied. STERYLIS LIGHT AIR 60 NT utilises UV-C technology for the disinfection process. The device is designed for surface mounting.



Certified by the National Institute of Hygiene (PZH):  
Sterylis LIGHT AIR 60 NT,  
no. B-BK-60212-0215/21 valid until 2026-02-18

### Features of the device:

- state-of-the-art UV-C (253,7 nm) radiation sources by LEDVANCE with proven efficiency
- luminaire design optimised for a unit dose > 50 J/m<sup>2</sup> (scientifically proven SARS-CoV-2 virus destruction)
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- built-in smart controller: failure monitoring and signalling (fan, UV-C sources), operating time count for UV-C sources as well as replacement signalling
- powder coated metal housing.

RECOMMENDED CUBIC VOLUME | AREA  
INDOOR SPACE:

UV-C disinfection **up to 60 m<sup>3</sup> | 20 m<sup>2</sup>**  
with 1 unit

# LIGHT AIR+ 60 NT

## UV-C DISINFECTION + LIGHTING

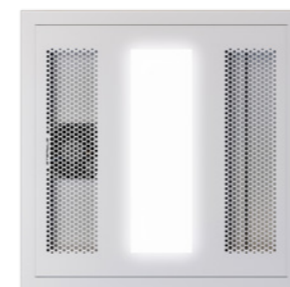
# STERYLIS LIGHT AIR+ 60 NT



Made in  
POLAND



UV-C



STERYLIS LIGHT AIR+ 60 NT is a 2-in-1 device combining the function of air disinfection (in UV-C technology) and room illumination with LED light sources. STERYLIS LIGHT AIR+ 60 NT disinfects indoor space air while it is being occupied. The device is designed for surface mounting.



Certified by the National Institute of Hygiene (PZH):  
Sterylis LIGHT AIR+ 60 NT,  
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### Features of the device:

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INDOOR SPACE:

UV-C disinfection **do 60 m<sup>3</sup> | 20 m<sup>2</sup>**  
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IMPROVES YOUR LIFE

MILOO-ELECTRONICS - Polish manufacturer of LED lighting under MILOO LIGHTING brand as well as electronics, optoelectronics and control automation.

The company located in Małopolska, present on the market since 2002, is also involved in other fields, including smart-building and smart-lighting, developing control systems and software to manage smart buildings and street lighting.

The company runs its own colorimetry and electromagnetic compatibility research laboratory and operated state-of-the-art machinery.

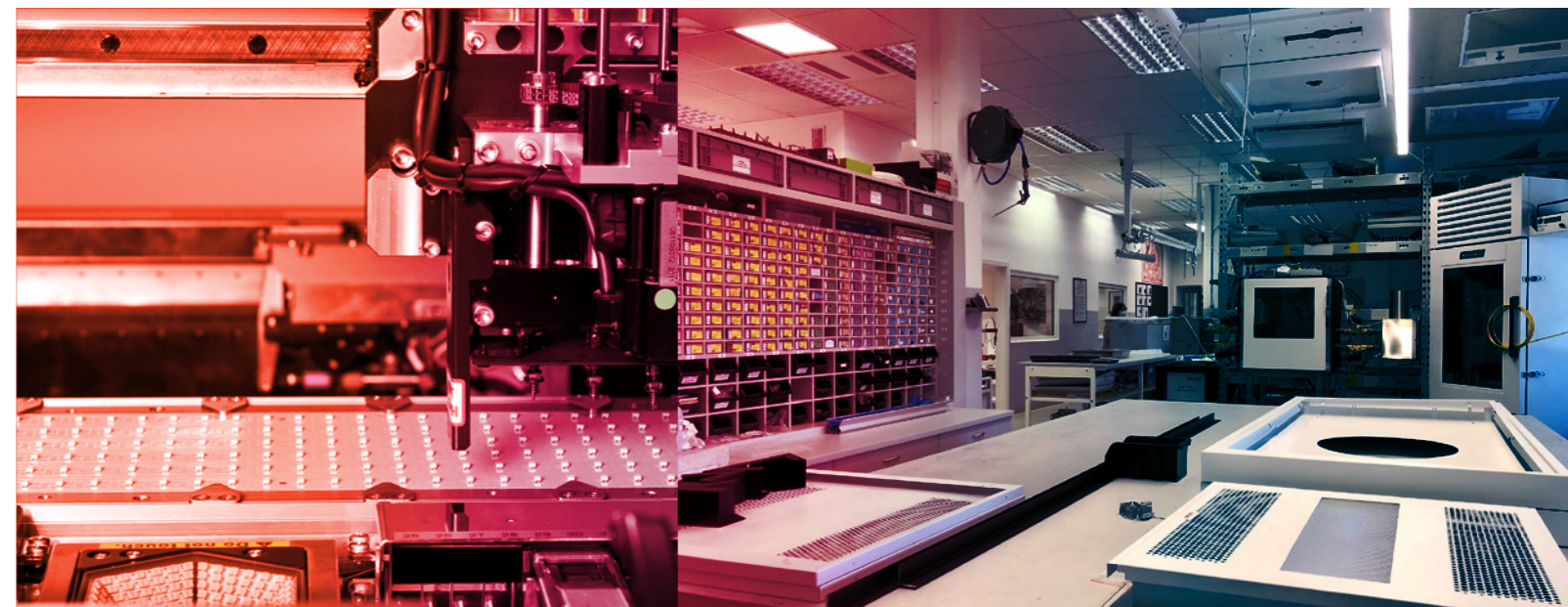
MILOO-ELECTRONICS has implemented many different projects for large international corporations and local companies, universities and health care facilities.

MILOO-ELECTRONICS range of products meets the highest European quality and safety standards.

STERYLIS was launched in 2020. It is the only UV-C device on the market to have been scientifically confirmed as effective in destroying SARS-CoV-2 coronavirus.

The research was carried out by the team of Collegium Medicum, Jagiellonian University at COVID hospital wards in Kraków and Bochnia.

[www.emiloo.pl](http://www.emiloo.pl)





# STERYLIS<sup>®</sup>

LIGHT AIR



MILOO-ELECTRONICS Sp. z o. o.  
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[www.sterylis.com](http://www.sterylis.com)

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