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Bactericidal  
**and virucidal luminaires**



# Let's stay safe every day!

In a clinic, office, restaurant or in the underground... Wherever you are, you will feel more confident 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 present a line of luminaires dedicated for air and surface 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.**

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

## 99.9%

neutralization of viruses,  
fungi and bacteria

## 100 J/m<sup>2</sup>

max. value of  
a single dose





# Evidence-based efficiency

The disinfection efficiency of the UV-C Sterilon luminaires has been thoroughly tested by the independent Wacław Dąbrowski Institute of Agricultural and Food Biotechnology in Łódź. According to the report we received:

The Sterilon Flow 72 W UV-C airflow luminaire has been tested in a room with an area of 25 m<sup>2</sup>. After two hours of operation

in the room, the amount of microorganisms, fungi and mould was reduced by more than 70%. After another 4 hours, the reduction reached 80%, **and after another 14 hours it stabilised at 98%.**

The UV-C Sterilon Air 144 W airflow luminaire has been tested in a room with an area of 25 m<sup>2</sup>. **After two hours of UV-C Sterilon Air operation in the room, the amount of microorganisms decreased by nearly 90%,** and the amount of fungi

and mould by more than 75%. After another 16 hours, the reduction of microorganisms was over 97%, and that of fungi and mould reached 93%.

The efficiency of direct disinfection with the UV-C Sterilon 72 W luminaire was also tested. **After 15 minutes of irradiation from a distance of 1 m, 98% of mould and 100% of other microorganisms were reduced on the exposed surface.**



# Airflow disinfection

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## UV-C STERILON MAX PRO

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

The suitable radiation power of the device – 90 J/m² to 100 J/m² – is sufficient to effectively disinfect the air during each flow. Such power makes it possible to eliminate 99 % of viruses including SARS-CoV-2 during each flow.



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

The disinfection efficiency of the UV-C Sterilon Max Pro 1200 PRO lamp has been thoroughly tested by the independent GMBU Institute (Gesellschaft zur Förderung von Medizin-, Bio- und Umwelttechnologien e.V).

### Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet
- Colour: black; white and graphite.
- Steel body, powder coated in graphite-white
- 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 buttons and control knob.
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Power cord: 4 m
- Smooth air flow adjustment: from 500 m³/h to 800 m³/h (version 800); from 500 m³/h to 1200 m³/h (version 1200); from 500 m³/h to 1500 m³/h (version 1500).
- Noise level at minimum airflow: <31 dB.
- Noise level at airflow: version 800 (500 m³/h) - 31 db version 1200 - 1500 (1000 m³/h) - 37 db
- Nominal power of the replaceable UV-C source: 360W.
- 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
- The devices meet the criteria of safety standards DIN/TS 67506, VDI-EE 4300 B14, DIN EN 600335

### Available versions:

250019	800 m³/h
250026	1200 m³/h
250033	1500 m³/h

**1500** m³/h  
max. air flow  
through the luminaire

- Dust filter
- CO<sub>2</sub> sensor
- Temperature and humidity measurement
- Fluorescent lamp wear meter
- UV-C

# Airflow disinfection

02 / 12

UV-C STERILON MAX

Sterilon Max UV-C airflow lamps are extremely effective in destroying all forms of microorganisms such as viruses, bacteria, fungi and mites.

The suitable radiation power of the device – 90 J/m² to 100 J/m² – is sufficient to effectively disinfect the air during each flow. Such power makes it possible to eliminate 99 % 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 buttons and control knob.
- 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 90 J/m² to 100 J/m².
- Smooth air flow adjustment:  
from 500 m³/h to 800 m³/h (version 800);  
from 500 m³/h to 1200 m³/h (version 1200);  
from 500 m³/h to 1500 m³/h (version 1500).
- Noise level at minimum airflow: <31 dB.
- Noise level at airflow: version 800 (500 m³/h) - 31 db  
version 1200 - 1500 (1000 m³/h) - 37 db
- Nominal power of the replaceable UV-C source: 288W.
- 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

Available versions:

249921	Graphite-white, 800 m³/h	249891	Black, 1200 m³/h
249938	Black, 800 m³/h	249969	Graphite-white, 1500 m³/h
249884	Graphite-white, 1200 m³/h	249976	Black, 1500 m³/h

1500 m³/h

max. air flow  
through the luminaire

Dust filter  
Fluorescent lamp wear meter  
UV-C





### High efficiency

Air flow up to 1500 m<sup>3</sup>/h. Such high efficiency will disinfect the air even in very large rooms.



### Operational safety

The shielded UV-C light does not escape to the outside. The device is protected against the uncontrolled opening.



### Mobility and accessibility

The device is equipped with castors. They make the movement of UV-C Sterilon Max easier.



### Convenient control

The air flow controller makes it possible to adjust this value from 500 m/h to the maximum value.

# Airflow disinfection

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UV-C STERILON CLEAN

Airflow disinfection luminaires emitting ultraviolet (UV-C) light are one of the most effective devices capable of removing viruses, bacteria, mould from the surface or destroying the DNA or RNA of any exposed microorganisms. Single dose of 90 J/m² to 100 J/m².

Luminaires recommended for use in large service-providing facilities (hair and beauty salons), health care facilities, hotels, restaurants, public administration, educational and care facilities.



Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet
- Colour: black; white and black.
- 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
- Power cord: 1.5 m.
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Single dose of 90 J/m² to 100 J/m².
- 2-step air flow adjustment: from 350 m³/h to 700 m³/h.
- Noise level at minimum airflow: <38 dB.
- Noise level at maximum airflow: 46 dB.
- Nominal power of the replaceable UV-C source: 216 W.
- Net weight: 47 kg.
- It is possible to customize the lamp marking to fit in with the design and character of the interior.

Available versions:

246272	White and black
246241	Black

700 m³/h

max. air flow  
through the luminaire

Dust filter  
Fluorescent lamp wear meter  
UV-C

# Airflow disinfection

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## UV-C STERILON AIR LIGHT 288W Z4 / 576W Z4

UV-C STERILON AIR LIGHT Z4 airflow luminaires are a set of disinfection luminaires integrated with a stand with guide wheels.

Like other UV-C luminaires, Sterilon Air uses ultraviolet light to disinfect the air in the presence of people. The set of four lamps is dedicated to the disinfection of large rooms – even up to 250 m². The stand with wheels facilitates manoeuvring the luminaire.



### Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- Steel body, powder coated in white.
- Weight: approx. 21 kg.
- The air flow is:  
4x110 m³/h (288W / Z4),  
4x200 m³/h (576W / Z4).
- Dust filter
- Light source lifespan: 9000 h
- The maximum area (cubic capacity) of the airflow disinfected room is:  
approx.150 m² (approx. 440 m³) (288W / Z4), approx. 250 m² (approx. 800 m³) (576W / Z4).
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Total power consumption:  
312 W (288W / Z4), 580 W (576W / Z4).
- Class of protection against electric shock: I
- Ingress protection class: IP20
- ON/OFF switch
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Version with power cord (3 m).

### Available versions:

244308	288 W version with a mobile platform and operating time counter
244278	576W version with a mobile platform and operating time counter

**250** m²  
max. room  
size

**800** m³/h  
max. air flow  
through the luminaire

Device dedicated to very large rooms  
Convenient mobile platform  
UV-C fluorescent lamps wear meter



# Airflow disinfection

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UV-C STERILON HEPA

UV-C STERILON HEPA is a technologically advanced product from the UV-C Sterilon family. It disinfects up to 200 m³ of air within an hour. Therefore, it will prove well in rooms with large cubic capacity.

In addition to its effectiveness, safety and efficiency, the UV-C STERILON HEPA luminaire also offers comfort of use. The intuitive LCD panel provides convenient control and monitoring of operating time.



Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- Colour: white matt body, silver galvanised front or black matt body, golden galvanised front
- The body is made of powder coated carbon steel
- The front of the luminaire is made of perforated and galvanized carbon sheet
- Natural zinc front in the silver white version
- In the golden black version, the front is additionally coated with car paint (Subaru 87)
- All paint coatings are resistant to the full range of UV radiation (A, B, C)
- Smooth air flow adjustment: from 70 m³/h to 200 m³/h
- Recommended size (cubic capacity) of the disinfected room: from 20 m² (60 m³) to 100 m² (300 m³)
- HEPA H13 filter + carbon 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
- Power cord: 3 m
- LCD panel with control buttons
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Dimensions of the luminaire: 710 x 260 x 260 mm

Available versions:

245985	216 W version, white/silver
245992	216 W version, black/gold

100 m²

max. room size

200 m³/h

max. air flow through the luminaire

Control from the LCD panel

Air purification function with the HEPA H13 filter

# Airflow disinfection

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UV-C STERILON FLOW

72W / 144W / 72W MONO

The designer UV-C STERILON FLOW luminaires designed in the HEKATE DESIGN studio in Poznań are the prototype of all portable Lena Lighting airflow luminaires.

They are not only safe, effective and efficient, but also serve as an element of interior design. Their design has been recognised in the Design for Connoisseur competition.



Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- Colour: white matt body, silver galvanised front or black matt body, golden galvanised front
- Air flow:
  - 200 m³/h (144 W);
  - 160 m³/h; (72 W);
  - 110 m³/h; (72 W MONO).
- Dust filter
- Light source lifespan: 9000 h
- The maximum area (cubic capacity) of the airflow disinfected room is: approx. 40 m² (120 m³) - 144 W; approx. 25 m² (75 m³) - 72 W; approx. 20 m² (50 m³) - 72 W MONO.
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Total power consumption:
  - 155 W (144 W version);
  - 82 W (72 W and 72 W MONO versions).
- Class of protection against electric shock: I
- Ingress protection class: IP20
- Power cord: 3 m
- On/Off switch
- Compartment for the HEPA filter
- Accessories: guide wheels, wall mount bracket, UV filter, UV-C protective glasses, UV-C fluorescent lamps, dust filter
- Versions with additional factory equipment: operating time counter, protection against opening (except for the 72 W MONO version).

Available versions:

246463	144 W version	240522	72W version with operating time counter
240539	144 W version with operating time counter	240546	72W version with operating time counter and protection.
240553	144 W version with operating time counter and protection.	246449	72 W MONO version
246456	72W version	240515	72 W MONO version with operating time counter

40 m²

max. room size

200 m³/h

max. air flow through the luminaire

UV-C lamp wear meter

MONO economy version

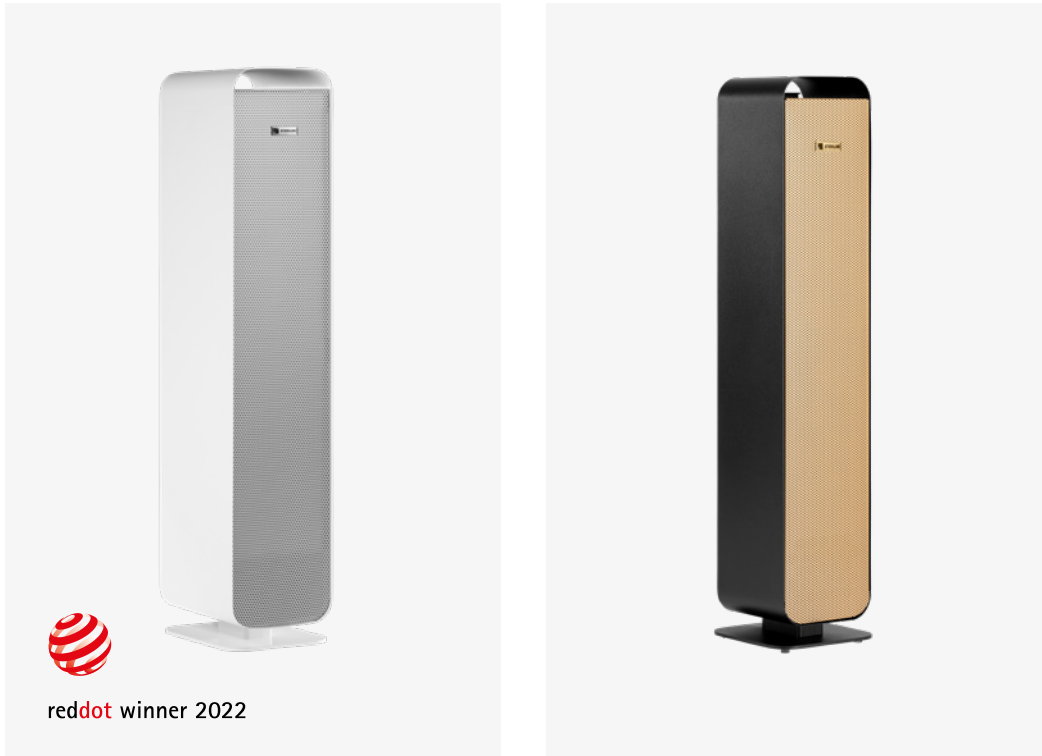
# Airflow disinfection

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UV-C STERILON FLOW  
PREMIUM 72W / 144W

The UV-C Sterilon Flow Premium luminaires are upgraded versions of the basic UV-C Sterilon Flow model. They feature an additional ECO function.

Switching the luminaire to ECO mode reduces the airflow through the luminaire to 110 m³/h. As a result, the luminaire's operation is quieter. Please note that in order to obtain a sufficiently high level of disinfection efficiency in this mode, the luminaire must operate at least two hours longer.



Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- Colour: white matt body, silver galvanised front or black matt body, golden galvanised front
- Air flow: 200 m³/h; 110 m³/h (ECO mode) for the 144 W version, and 160 m³/h; 110 m³/h (ECO mode) for the 72 W version.
- Dust filter
- Light source lifespan: 9000 h
- The maximum area (cubic capacity) of the airflow disinfected room is: approx. 40 m² (approx. 120 m³) for the 144 W version and approx. 25 m² (approx. 75 m³) for the 72 W version.
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Total power consumption: 155 W.
- Class of protection against electric shock: I
- Ingress protection class: IP20
- Power cord: 3 m
- On/Off switch
- Compartment for the HEPA filter
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Accessories: guide wheels, wall mount bracket, HEPA filter, UV-C protective glasses, UV-C fluorescent lamps, dust filter

Available versions:

240959	72W version, black/gold
240393	72W version, white/silver
240966	144W version, black/gold
240409	144W version, white/silver

40 m²  
max. room  
size

200 m³/h  
max. air flow  
through the luminaire

UV-C lamp  
wear meter  
  
Two colour versions



# Airflow disinfection

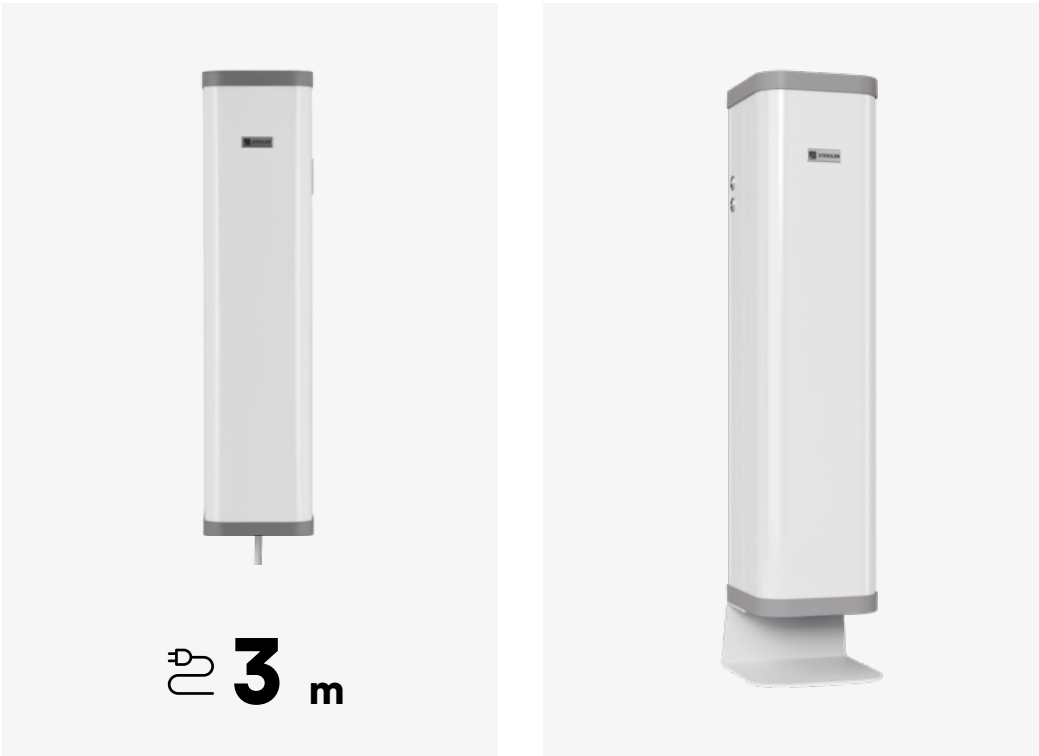
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UV-C STERILON AIR

72W / 144W

The Sterilon Air UV-C airflow luminaires are a choice for people looking for quality at a favourable price. They are available in multiple versions: wall- and ceiling-mounted, with a power cord or connected directly the mains, and free-standing.

They feature a special ECO mode. In ECO mode, the adjustable fan allows the air flow to be reduced to 110 m³/h, which makes the luminaire's operation quieter.



Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- DC fan with ECO mode
- Steel body, powder coated in white
- Endcap made of high-quality grey plastic
- Very low weight: about 4.5 - 7.6 kg
- Air flow:
  - 60 m³/h (72 W);
  - 220 m³/h (144 W);
  - 110 m³/h (ECO mode).
- Dust filter
- Light source lifespan: 9000 h
- The maximum area (cubic capacity) of the airflow disinfected room is approx. 30 m² (72 W) (approx. 90 m³); 50 m² (144 W) (approx. 150 m³/h).
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Class of protection against electric shock: I
- Ingress protection class: IP20
- ON/OFF switch
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.

Available versions:

240645	72 W free-standing version	240652	144W free-standing version
240447	72 W version with a mobile platform and a bracket	240997	144W version with a mobile platform and a bracket
240621	72 W wall-mounted version	240591	144W wall-mounted version with a cord and plug
240607	72 W wall-mounted version connected to the mains	240614	144W version connected to the mains

50 m²

max. room size

220 m³/h

max. air flow through the luminaire

UV-C lamp wear meter

ECO mode

# Airflow disinfection

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UV-C STERILON AIR

72W Z1 / 144W Z1

The UV-C STERILON AIR Z1 airflow luminaires retain all the functions of the basic UV-C Sterilon Air version.

Their advantages and distinguishing features are even greater mobility and facilitated manoeuvring. We achieved this by integrating the product with the movable base.



Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- DC fan with ECO mode
- Steel body, powder coated in white
- Weight: approx. 9.0 kg.
- Air flow: 160 m³/h and 110 m³/h in ECO mode (72W/Z1) 220 m³/h and 110 m³/h in ECO mode (144W/Z1).
- Dust filter
- Light source lifespan: 9000 h
- Maximum area (cubic capacity) of a room to be flow disinfected is approx.:  
72W/Z1: approx. 30 m² (approx. 90 m³) (72W/Z1),  
44W/Z1: approx. 50 m² (approx. 150 m³) (144W/Z1).
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Total power consumption: 73 W (72W/Z1), 142 W (144W/Z1).
- Class of protection against electric shock: I
- Ingress protection class: IP20
- Version with power cord (3 m).
- ON/OFF switch
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Accessories: UV-C lamps

Available versions:

243691	72 W version with a mobile platform, operating time counter and ECO function
244261	144W version with a mobile platform, operating time counter and ECO function

50 m²

max. room size

120 m³/h

max. air flow through the luminaire

Convenient mobile platform

UV-C fluorescent lamps wear meter

ECO mode

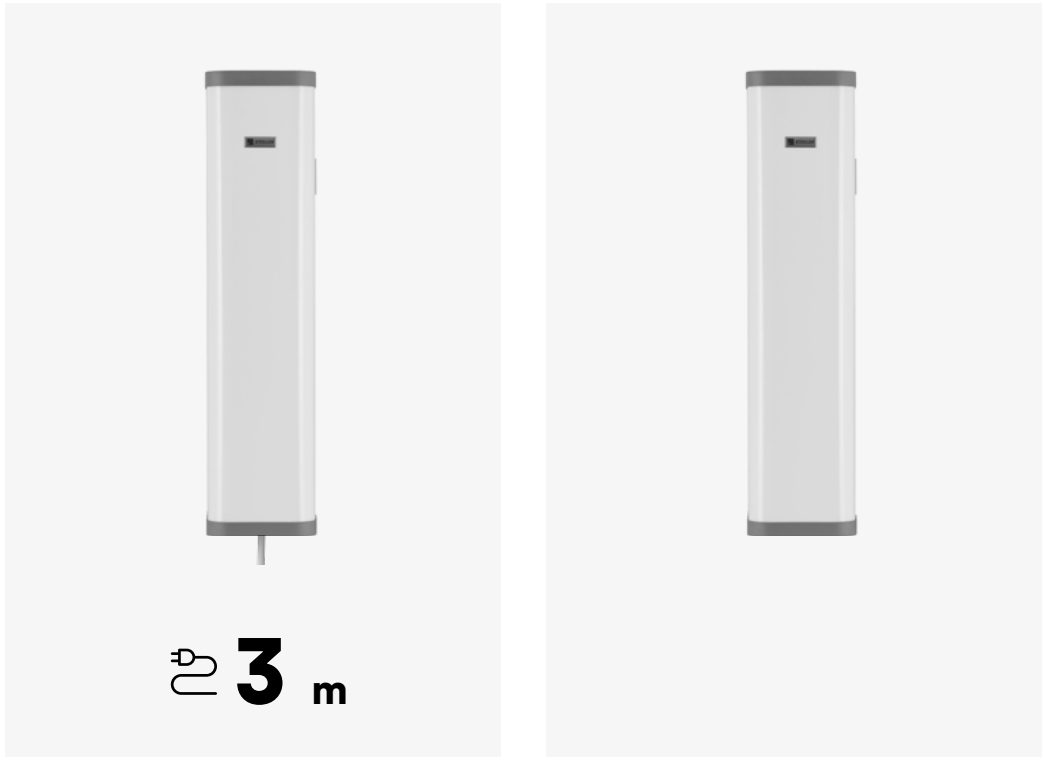
# Airflow disinfection

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## UV-C STERILON AIR LIGHT 72W / 144W

UV-C Sterilon Air Light airflow luminaires are intended for wall mounting. They are available with a 3-metre power cord and without a cord (the so-called investment version).

Their design ensures perfect air flow and the highest level of disinfection efficiency. The UV-C Sterilon Air Light luminaires, similarly to the previously described UV-C Sterilon Air models, are equipped with protection against opening. Removing the top cover requires a hex key.



### Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet
- Steel body, powder coated in white
- Endcap made of high-quality grey plastic
- Very low weight: about 3 – 3.5 kg
- Air flow: 110 m³/h (72 W); 160 m³/h (144 W);
- Dust filter
- Light source lifespan: 9000 h
- The maximum area (cubic capacity) of the airflow disinfected room is approx. 25 m² (72 W) (approx. 75 m³); 40 m² (144 W) (approx. 120 m³)
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Class of protection against electric shock: I
- Ingress protection: IP20
- ON/OFF switch
- Version with power cord (3 m).
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.

### Available versions:

240560	72 W wall-mounted version connected to the mains
240584	72 W version – wall-mounted, with a cord and plug
240638	144W version – wall-mounted, with a cord and plug
240577	144W wall-mounted version connected to the mains

**40** m²  
max. room  
size

**160** m³/h  
max. air flow  
through the luminaire

UV-C lamp  
wear meter  
  
Excellent price-quality  
ratio



# Airflow disinfection

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## UV-C STERILON CAR 18W 230V / 18W 12V / 18W 24V

UV-C STERILON CAR are products dedicated to public transport. Designed for taxis, buses, buses, coaches, trains and trams.

The luminaires will help protect drivers and passengers by removing viruses, bacteria and mould from the environment. They will ensure a safe and comfortable journey, regardless of distance.



### Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- Steel body, powder coated in white.
- Very low weight: approx. 2.5 kg
- Air flow: 84 m³/h.
- Dust filter
- Light source lifespan: 9000 h
- UV-C wavelength: 253.7 nm
- Class of protection against electric shock: I, III
- Ingress protection class: IP20.
- On/Off switch.
- Version with a power cord (3 m for 230 V and 5 m for 12 V and 24 V).
- The luminaires are equipped with an operating time counter used for indicating the consumption of UV-C fluorescent lamps.
- Power depending on the version: 230 V, 24 V, 12 V.

### Available versions:

243769	18 W / 12 V version with a 5 m cord
244391	18 W / 24V version with a 5 m cord
243752	18 W / 230V version with a 3m cord

**84** m³/h  
max. air flow  
through the luminaire

Low weight and easy installation  
Low voltage versions  
CAR 12 V plug available

# Airflow in public transport

As LuxSebTrans, we provide luxury coach rental and driver services. In the era of the pandemic, we intensively searched for a convenient solution that would provide our customers with comfort and safety. We read about the STERILON UV-C luminaires for the first time in the advertisement put on the Internet. I immediately thought it was a bull's eye.

After a short conversation with a profession-

al technical advisor at Lena Lighting, who reliably explained to us the functionalities of these luminaires, we felt convinced that it was a good choice. The UV-C STERILON CAR airflow luminaires, which we have chosen, will help us in the fight against dangerous viruses and so we will be able to ensure safe travel by our coaches.



” I think that this investment will pay off quickly in the form of returning healthy and satisfied customers.

**Sebastian Rózewicz**

Owner of LuxSebTrans transport company



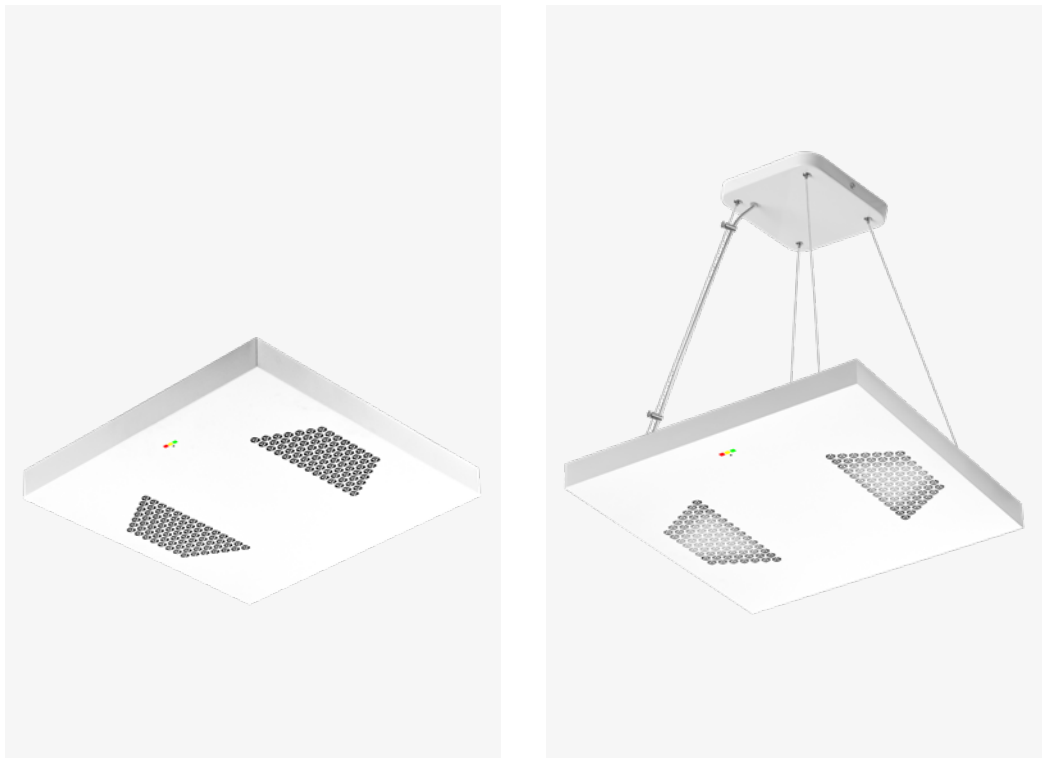
# Airflow disinfection

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## UV-C STERILON SQUARE PP 72W / PN 72W / PZ 72W

The luminaire is used for systemic air disinfection in the presence of people. It is fitted with two fans (intake and exhaust), each providing a 120 m³/h flow rate.

Thanks to stimulated circulation, the air passes through luminaire interior, where it is exposed to the light and disinfected, and then pushed outside. The shielded UV-C light does not escape to the outside of the luminaire.



### Technical details:

- Airflow disinfection function.
- Type of light: UV-C ultraviolet.
- Steel body, powder coated in white.
- Air flow: 120 m³/h.
- Light source lifespan: 9000 h
- Maximum area (cubic capacity) of a room to be flow disinfected is approx. 30 m² (approx. 90 m³).
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Class of protection against electric shock: I
- Ingress protection class: IP20.
- Noise level: 37 dB
- Total power consumption: 70W.
- Possibility to reset the operating time counter
- The luminaire is equipped with a LED operating time counter used for indicating the consumption of UV-C fluorescent lamps

### Available versions:

245848	Flush-mounted version
246395	Surface-mounted version
246401	Suspended version

240 m³/h  
max. air flow  
through the luminaire

Fluorescent lamp wear meter  
UV-C



# Direct surface disinfection

## UV-C STERILON

**The effectiveness of the Sterilon UV-C luminaires has been confirmed by tests carried out at the independent Institute of Biotechnology in Łódź. The test showed that after 15 minutes of irradiation from a distance of 1 m, 98% of mould and 100% of other microorganisms were reduced on the exposed surface.**

Exposure to ultraviolet light is an effective, convenient, cost-efficient and ecological method of disinfection. It does not require human work, does not use chemicals – but it generates savings and is environmentally friendly.

All safety rules regarding the use of direct floodlights emitting ultraviolet light should be adhered to, in particular there should be no persons in the disinfected room.



Available versions:

How does it look in practice?

See the attached instruction manual.

The light must be directed onto the surface to be disinfected.

The UV-C light source should be positioned as close as possible.

Approximate exposure time is 15 min.

After turning the luminaire on, you cannot stay in the room.

Observe appropriate safety rules when switching it on/off.

# Direct surface disinfection

01 / 02

UV-C STERILON SQUARE  
N / P / Z

UV-C STERILON SQUARE is a combination of comfortable lighting and surface disinfection. This hybrid luminaire has been equipped with energy-saving LED modules and technologies that reduce the glare effect, and features built-in UV-C fluorescent lamps directed directly at the surface.

This technology is favourable to effective disinfection. The UV-C STERILON SQUARE luminaire has an inverted RCR motion sensor that prevents accidental intrusion into the area of direct exposure to UV-C rays.



Technical details:

- Direct surface disinfection function with UV-C light
- LED surface illumination function.
- Possibility of individual connection and control (ON-OFF) of LED and UV-C modules.
- Body colour: matt white
- Disinfection efficiency (UV- C): 20 m².
- Light source lifespan (UV-C): 9000 h
- UV-C wavelength: 253.7 nm
- Supply voltage: 220-240 V
- Ingress protection class: IP20.
- Function of protection against exposure to UV-C radiation (inverted RCR sensor).
- Class of protection against electric shock: I
- Mounting: flush-mounted, surface-mounted, suspended.

Available versions:

Suspended: 2400 lm, 3500 lm, 4200 lm
Surface mounted: 2400 lm, 3500 lm, 4200 lm
Flush mounted: 3500 lm, 4200 lm
Colours: matt white or gloss white
Index numbers on request

20 m²  
disinfection  
efficiency

LED light  
and UV-C light



# Direct surface disinfection

## UV-C STERILON

**The portable UV-C STERILON luminaire for direct disinfection has been designed to disinfect surfaces and objects. When using it, you must not be in the illuminated room. Luminaires of this series cannot be used in home conditions.**

Depending on its power, you can disinfect spaces of varying sizes, but only those within the range of the luminous flux.

With its low weight and the handle the luminaire can be quickly manoeuvred by anyone. Therefore, even if there are different niches in the room that the light does not reach, after a dozen or so minutes it is enough to manoeuvre the luminaire and repeat the exposure process.





# Direct air disinfection

02 / 02

UV-C STERILON  
36W / 72W / 128W

Lena Lighting's offer includes UV-C Sterilon lamps with different wattages of 36 W, 72 W and 108 W for use with different surface sizes.

Lamps with higher power (108 W) will prove well in a room up to 35 m², those with the wattage of 72 W are designed for areas of up to 25 m², while 36 W lamps will disinfect a space of about 15 m².



Technical details:

- Body colour: white
  - Disinfection efficiency:  
15 m² (36 W),  
25 m² (72 W),  
35 m² (108 W).
  - Light source lifespan: 9000 h
  - Approximate disinfection time: 15 min
  - Type of light: UV-C
  - UV-C wavelength: 253.7 nm
  - Supply voltage: 220-240 V
  - Ingress protection class: IP20.
- Power cord 5 m.
  - Multi-position arm (72 W / 128 W).
  - Can be hung on the ceiling
  - Accessories: magnetic holder, ceiling mount bracket, Future Stand, UV-C glasses.
  - Luminaire versions with additional equipment: ON-OFF switch, protection against exposure to UV-C radiation (inverted motion sensor).

Available versions:

- 240386 36 W version with motion sensor
- 240362 72W version with motion sensor
- 240379 108W version with motion sensor

Accessory – stands

- 000720 Universal stand 2 m
- 000737 Future stand with click head system

35 m²

max. room  
size

Luminaires in this series  
are not dedicated  
to home applications.

Wide range of accessories and  
additional options

Disinfection of surface and items

# How it works?

## 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.





# How it works?

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## UV-C STERILON

**Airflow disinfection with UV light is designed for constantly occupied rooms, where there is a need to purge the air of harmful microorganisms.**

It is worth using it both in medical and cosmetic clinics and educational facilities. It will prove perfect in restaurants, hotels and public transport.

Our offer includes free-standing luminaires, equipped with a mobile platform that facilitates manoeuvring, and luminaires dedicated for wall and ceiling mounting.







# Design

75 gold and black STERILON FLOW luminaires from Lena Lighting have become part of the office equipment of Cavatina Holding S.A. – a developing company based in Cracow. Our

luminaires have been installed in all offices, social rooms and common areas. They look good, and most of all, they care about the safety of people staying in these rooms.



“Our goal was to create a luminaire which would look good both in a hospital room, as well as in modern, architectural spaces.

**Kuba Zarzyński**  
UV-C STERILON FLOW designer  
HEKATE DESIGN

”Light and air are associated with effortless-ness. This thought has been the foundation for designing the UV-C STERILON luminaire. The result is a mature, subtle design that provides the user with a sense of security and inner peace.

**Przemysław Pstrokoński**  
UV-C STERILON FLOW designer  
HEKATE DESIGN





# 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.



# 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.**

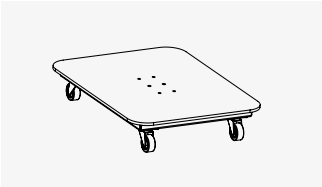
UV-C light disinfection is also commonly used to pasteurise milk, decontaminate means of transport and sterilise tools in beauty and hairdressing salons.

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.

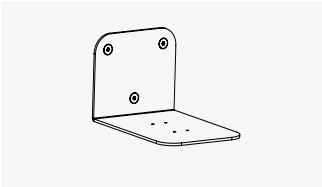


# Accessories and options

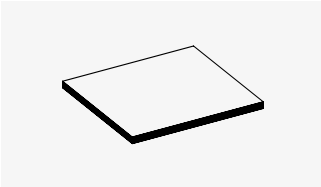
## UV-C STERILON FLOW



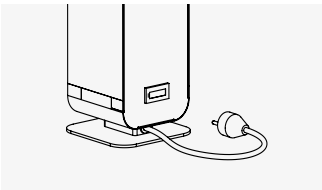
ACCESSORY  
**Set of guide wheels**  
Thanks to the 360° rotation function, it significantly facilitates manoeuvring the luminaire. It offers easy and quick mounting.



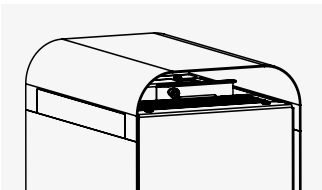
ACCESSORY  
**Wall bracket**  
Bracket for quick wall mounting with the use of the attached fixing screws.



ACCESSORY  
**HEPA filter**  
Highly efficient filters made of glass fibre.

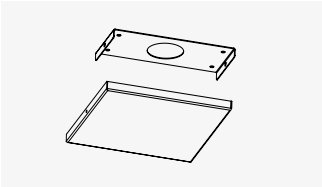


OPTION  
**Operating time counter**  
Operating time counter is used to indicate the consumption of UV-C fluorescent lamps.

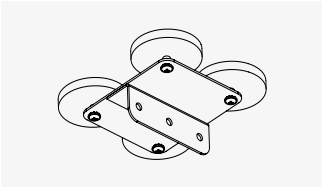


OPTION  
**Protection against opening**  
Provides additional safety preventing the luminaire cover from being opened.

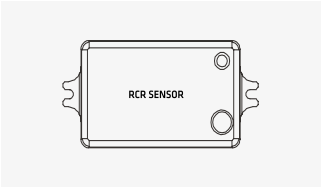
## UV-C STERILON



ACCESSORY  
**Ceiling holder**  
It can be mounted to the ceiling, wall or other surface using a magnetic holder.



ACCESSORY  
**Magnetic holder**  
Enables mounting to metal surfaces. Steel base available as a ceiling mount bracket.



OPTION  
**INVERTED MOTION SENSOR**  
Designed to protect people and animals from accidental exposure to UV-C radiation.



ACCESSORY  
**Protective glasses**  
They filter 99.9% of UV radiation. The side wall of the lenses fully protects the eyesight.

## ACCESSORIES / UV-C STERILON FLOW

Index	Dimensions	Weight	Colour	UV-C STERILON FLOW 72W	UV-C STERILON FLOW 144W	UV-C STERILON FLOW 72 W MONO
Set of guide wheels						
243646	230x230x53	2.5	Matt white	+	-	-
243660	290x230x53	3.0	Matt white	-	+	-
243653	230x230x53	2.5	Gloss white	-	-	+
Wall bracket						
240485	225x140x160	1.3	Matt white	+	-	-
240492	225x220x160	1.75	Matt white	-	+	-
240478	225x140x160	1.3	Gloss white	-	-	+

## FILTERS / AIRFLOW LUMINAIRES

Index	UV-C STERILON FLOW 72W	UV-C STERILON FLOW 144W	UV-C STERILON FLOW 72 W MONO	UV-C STERILON AIR FAMILY
HEPA filter				
243677	+	+	+	-
Dust filter				
244339	-	-	-	+
Dust filter				
16001269	+	+	-	-

## OPTIONS / UV-C STERILON FLOW

Index	UV-C STERILON FLOW 72W	UV-C STERILON FLOW 144W	UV-C STERILON FLOW 72W MONO
Protection against opening			
240546	+	+	-
240553	+	+	-
Operating time counter			
240522	+	-	-
240539	-	+	-
240515	-	-	+

## ACCESSORIES / UV-C STERILON

Index	UV-C STERILON 36W	UV-C STERILON 72W	UV-C STERILON 108W
Ceiling holder			
243622	+	+	+
Magnetic holder			
243615	+	+	+
UV-C protective glasses			
243639	+	+	+

**UV-C FLUORESCENT LAMPS**  
We also offer OSRAM UV-C lamps (PL-L UV-C 36W 2G11 OSR) – index: WL36500

# Lamps

having a positive effect on the mood

01 / 01

IQ SUN MED

**Lamps improving the mood, balance and body performance. Therapy mode – 30 minutes of lighting at the intensity of 5000 lux from a distance of 50 cm. Or multiple such sessions as needed.**

Healthful light has been used in medicine for many years. A number of studies have been carried out to prove the therapeutic effect of visible light (phototherapy) in the treatment of mood disorders, especially seasonal depression, premenstrual syndrome, sleep disorders and eating disorders.

In the light of these studies, phototherapy is an effective, well-tolerated and cost-effective basic therapy or supplementary pharmacological treatment. Recently, thanks to the high availability of lamps, it is also a form that is becoming more and more common in home use. The effectiveness of phototherapy in seasonal disorders is estimated at 50–70%. It is a low cost and relatively safe method.

Attempts of using phototherapy in non-seasonal depression generally confirm its effectiveness. Numerous studies conducted among others in laboratories in the United States, Switzerland, Scandinavian countries, and also Poland, prove that sunlight or bright artificial light with parameters similar to it are the strongest physical synchronizers of biological rhythms of living organisms, including human biological rhythms. Therefore, in order to prevent the disturbance of biological rhythms, it is necessary to “illuminate our body”.

Characteristics:

- Therapeutic function: 5000 lux at a distance of 50 cm.
- Smooth light adjustment.
- 10 power levels, which allows you to adjust it to your body and your needs.
- LED technology.
- Energy-efficient.

Application:

- for people suffering from fall-winter depression, bad mood
- sleep disorders
- concentration disorders
- for women who have given birth to a baby (Baby Blues)
- for people who want to improve their body performance
- for people doing intellectual work – can be used in the workplace
- a perfect solution for learners, e.g. for exams
- to reduce discomfort, for people who frequently change time zones

Available versions:

660900	White
660924	Grey
660948	Black







“ Since 2020, we have been a successive recipient of UV-C antibacterial and antiviral luminaires manufactured by Lena Lighting S.A.

After the first purchase of the Sterilon Flow 144 W UV-C luminaire, confirming its high quality and careful workmanship, we decided to purchase more luminaires for the disinfection of offices and warehouse spaces.

Employees at Lena Lighting S.A. provide professional advice and have extensive knowledge about the products – they helped us a lot in the selection of luminaires, taking into account all our needs, both regarding the disinfected surface and the purpose of the rooms.

The processing of all our orders has been exemplary, timely and without any reservations. Previous orders included the UV-C Sterilon Flow and UV-C Sterilon Air models.

With full responsibility, we can recommend both products (bactericidal luminaires) and services offered by Lena Lighting S.A.

**Maria Ostrowska**

Medium Pharma

“ I hereby declare that the Sterilon UV-C luminaires, which have been presented to our hospital by Lena Lighting S.A., are proving perfect at our Department of Neonatology.

Staff using the above-mentioned UV luminaires on a daily basis declare that the equipment constitutes a significant support for the department, and in addition, it is characterised by very high quality, ease of use and aesthetic workmanship.

**Rafał Zgondek**

Medical Equipment Specialist

Gynaecology and Obstetrics Clinical Hospital at  
the Karol Marcinkowski Medical University in Poznań,

”

At the end of last year, after collecting offers and analysing the market situation and equipment for disinfecting rooms with UV light, we decided to purchase and install a UV decontamination system in cooperation with Lena Lighting S.A. We commissioned the investment to be implemented in all office premises of our company as well as in warehouse spaces, which are most often occupied by our employees.

After analysing the layout and cubic capacity of the rooms, a Lena Lighting representative suggested the optimal number of devices, as well as power and placement of UV luminaires. The scope of the supplied luminaires included double-function airflow luminaires from the Sterilon Flow series and the Sterilon UV-C luminaires for direct exposure.

The contract was performed without any reservations, according to the agreed schedule, the provisions of the contract, and with the provision of the necessary technical documentation and certificates.

Following the Contractor's commitment and professional approach during the implementation of the Agreement, we confirm the reliability of the company and recommend both LENA LIGHTING S.A. and its products, UV-C luminaires, to potential Ordering Parties.

**Mariusz Polonis**

Member of the Board, NeoRegen Sp. z o.o.

”

The UV-C STERILON FLOW luminaire purchased by the Janusz Korczak Municipal Kindergarten no 68 in Białystok is very practical and easy to use. It fully meets the disinfection requirements – in a simple way without any physical effort and without the use of chemicals.

Using the luminaire met with great approval of parents who appreciate the fact that we care about the safety and health of children in the current situation . Using the luminaire also translates into a high rating for the facility in terms of compliance with health and safety regulations in the field of preventive actions.

**Marzena Makowiecka**

Director of the Janusz Korczak  
Municipal Kindergarten no 68



## Safe disinfection in the presence of people

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

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.

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