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v01

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Dinies



CleanOmatic

AUTOMATIC DISINFECTION OF SURFACES AND AIR



COMPETENT RELIABLE INNOVATIVE

Dinies Technologies GmbH is a innovative, familiy-owned company specializing in UV-technology and electronics.

We are always open to and looking for new, revolutionary methods and technologies to adopt and invest in.

Since our founding in 1979, it has been important to us to supply our customers with everything from a single source. In 2005, the two main pillars, electronic production and UV-technology, were further expanded.

"IN PARTICULAR, NEW TECHNOLOGIES AND FIELDS OF APPLICATION IN UV-TECHNOLOGY OFFER A GOOD BASIS FOR AN INNOVATIVE COMPANY POLICY."

Dinies Technologies GmbH is DIN EN ISO 9001 certified and is constantly monitored and audited by its customers to ensure its effectiveness, to meet their high quality requirements.

In addition, external auditors guarantee a high standard of quality and quality management systems.

1 CleanOmatic

For the first time, CleanOmatic uses the power of UV-C light to eliminate up to 99.99% of germs and microorganisms on surfaces, contributing to improved hygiene and cleaner indoor environments.

Optionally, the device can also be equipped with ozone technology, which helps neutralize unpleasant odors and creates a more comfortable atmosphere.

- **Reliable elimination of bacteria and viruses in the air and on surfaces**
- **Automatic disinfection after each room use**
- **Automatic shutdown when people enter the room**
- **Low energy consumption**
- **Dimensions: 620 x 620 x 156 mm, Mounting depth: 80 mm**
- **6,2 kg incl. light sources**
- **Rated voltage: 230 V/50 Hz | Rated power: 56 W**



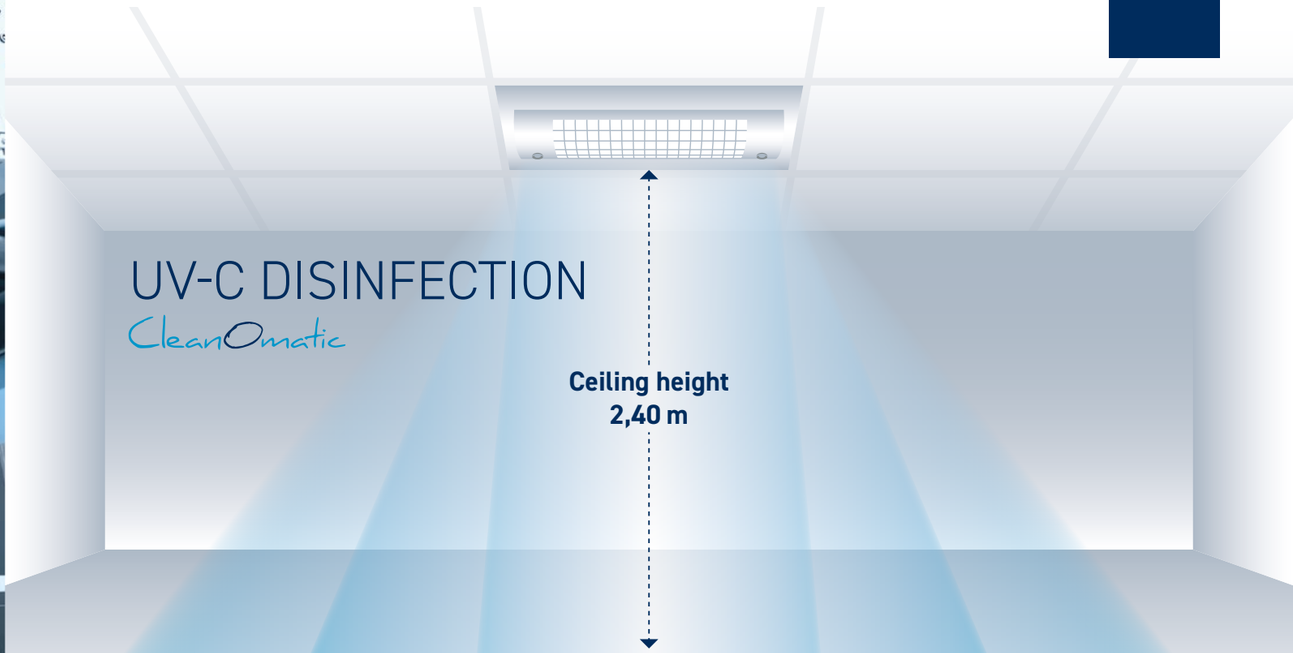


AUTOMATIC
DISINFECTION
AFTER EACH USE
UP TO
99.99%.

VALIDATION 1.2.

UV-C DISINFECTION

CleanOmatic

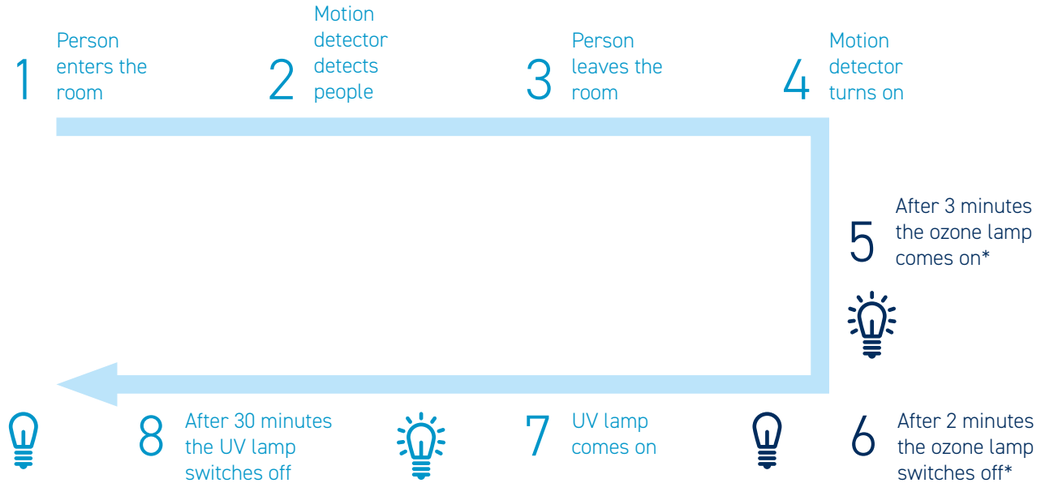


3,125 m	2,50 m	1,875 m	0,00 m	1,875 m	2,50 m	3,125 m
Pos. 4	Pos. 3	Pos. 2	Pos. 1	Pos. 2	Pos. 3	Pos. 4
> 90%	> 99%	> 99,7%	> 99,99%	> 99,7%	> 99%	> 90%
> log 1	> log 2	> log 2	> log 4	> log 2	> log 2	> log 1

Source: ecoscope GmbH - Test Report 2204-26-0017-30B-EN-01, 11.08.2026
Two dosimeters (Bacillus spizizenii) were used per position. Total exposure time: 5 × 20 minutes (total 100 minutes).

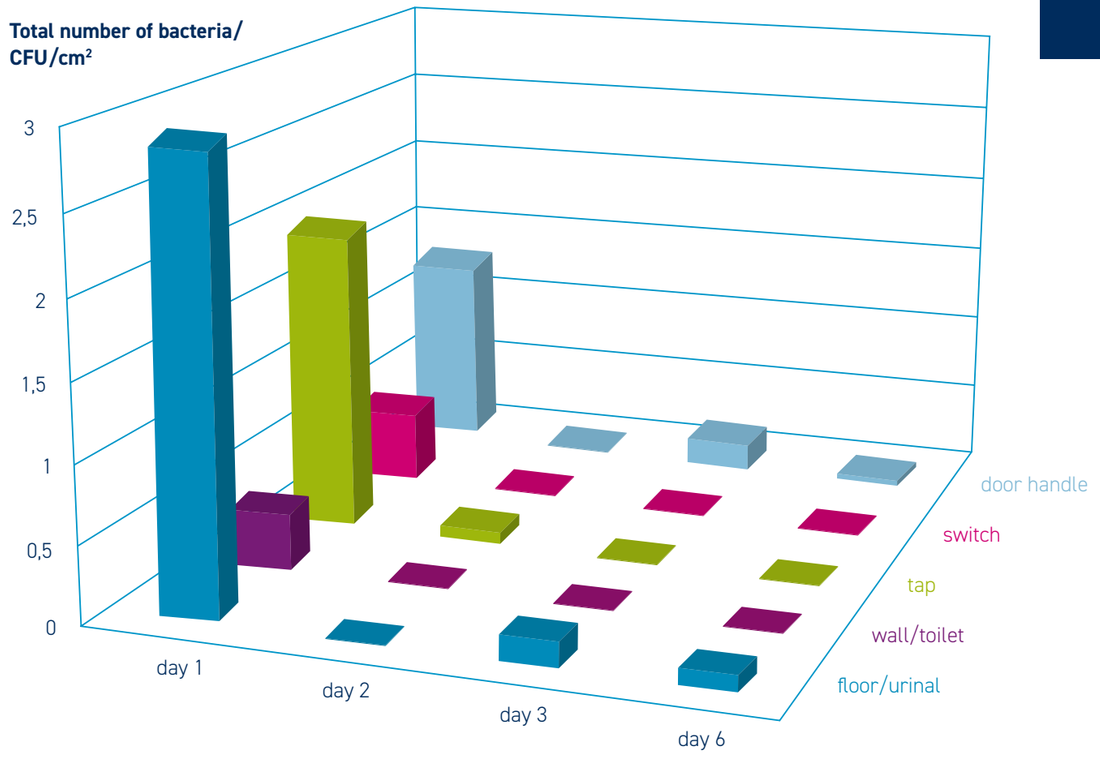
Reduction in % | $\log_{10}$ reduction (lg R)

3 PROCESS



*Optionally, the device can also be equipped with ozone technology.

4 MEASUREMENTS



Example toilet

The long-term effectiveness has been confirmed in a field test under real conditions: Before the first disinfection cycle the numbers of bacteria were measured at various locations in a toilet. This showed comparably high levels. The 35-minute disinfection cycle always started whenever the user of the toilet switched off the light. Over the next few days there was a sustained drop in the number of bacteria present to values up to 0 CFU. These values were still reached when the usual procedure of wiping down surfaces was stopped.





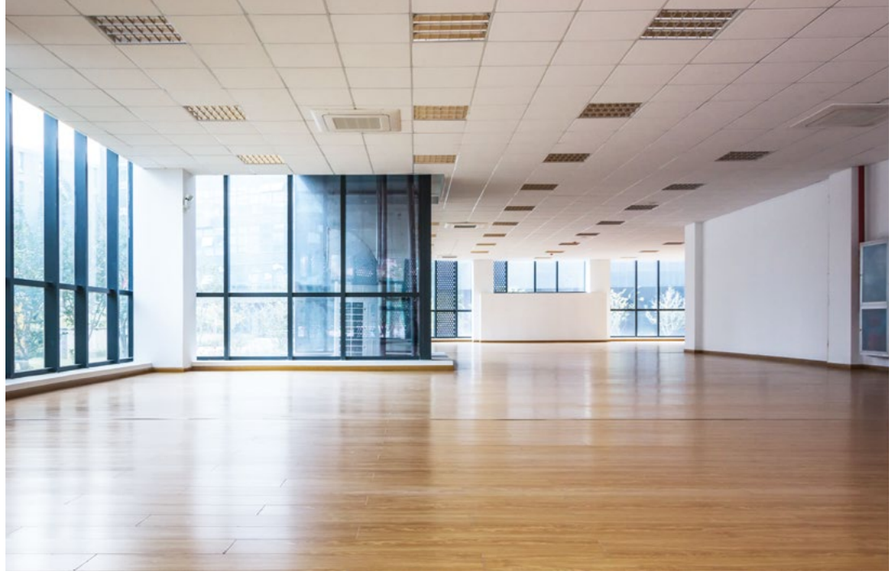
- Air locks in clean rooms
- Laboratory rooms
- Offices
- Public restrooms
- Corridors / Hallways
- Health Care Sector
- Hospitals



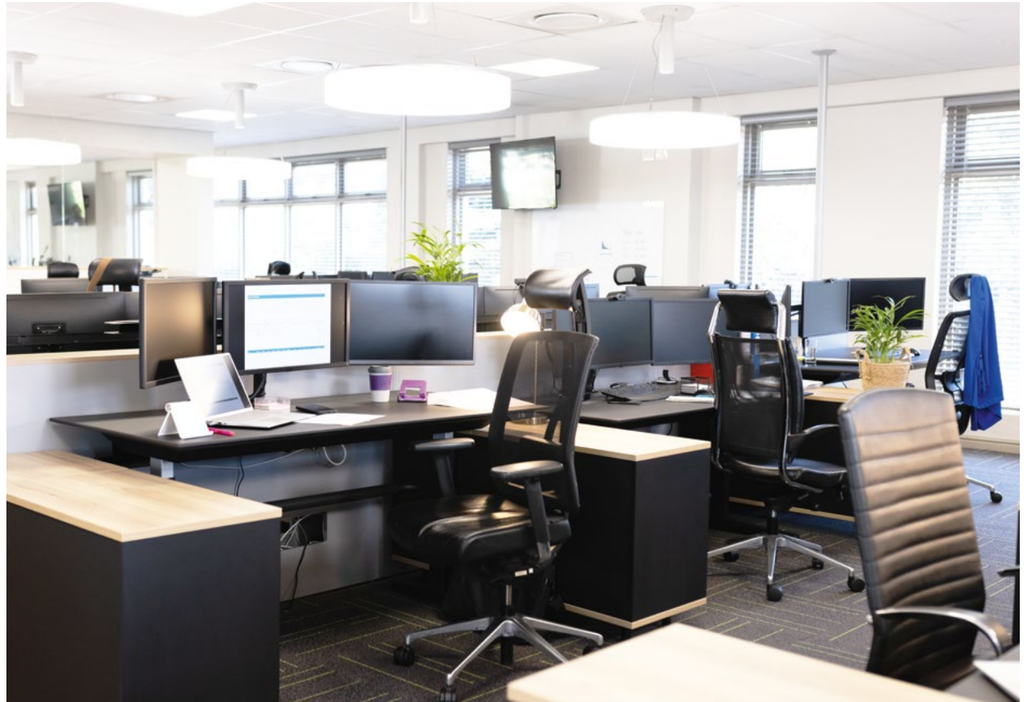


2 AREAS OF APPLICATION

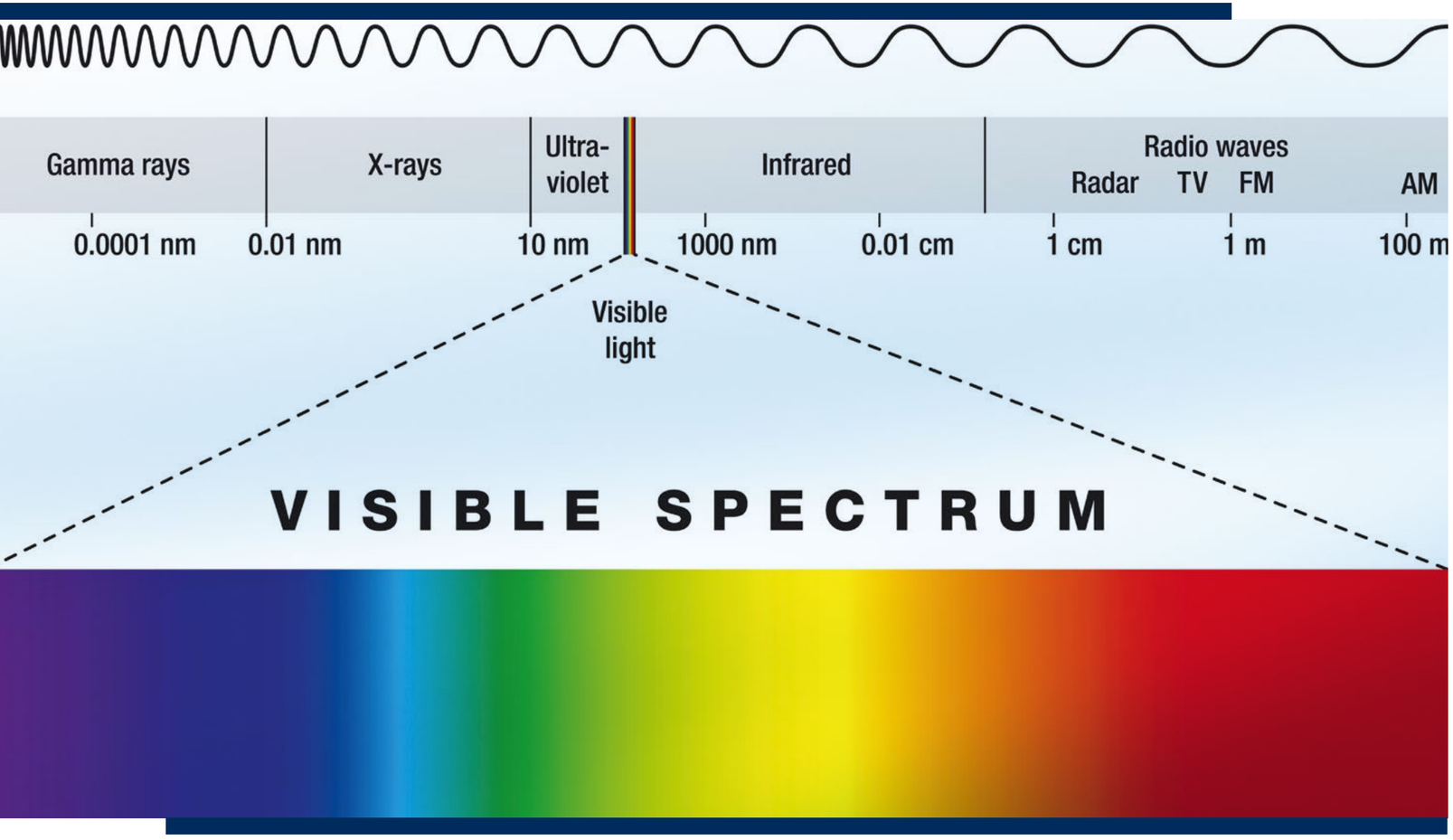












3

UV-C LIGHT

Effective hygiene with UV-C: Microorganisms exposed to sunlight are killed naturally. According to this principle from nature, artificial UV-C light was developed many years ago.
UV-C light is short-wave radiation in the range of 280-100 nm which is not visible to the human eye.

In the area of 254 nm, UV-C light has a strong germicidal effect, so even dangerous germs, bacteria, viruses and mold spores will be destroyed within a short amount of time without the use of chemicals.

The DNA of the microorganisms is changed in the core so that reproduction is no longer possible. As a result the microorganisms die. The ultraviolet light is therefore an economical and environmentally friendly alternative to chemical disinfection.