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**Dinies** . . . . .



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*LiftNclean*

UV-C DISINFECTION FOR ELEVATORS AND LIFTS





# COMPETENT RELIABLE INNOVATIVE

Dinies Technologies GmbH is a medium-sized, innovative, family-owned company manufacturing 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.

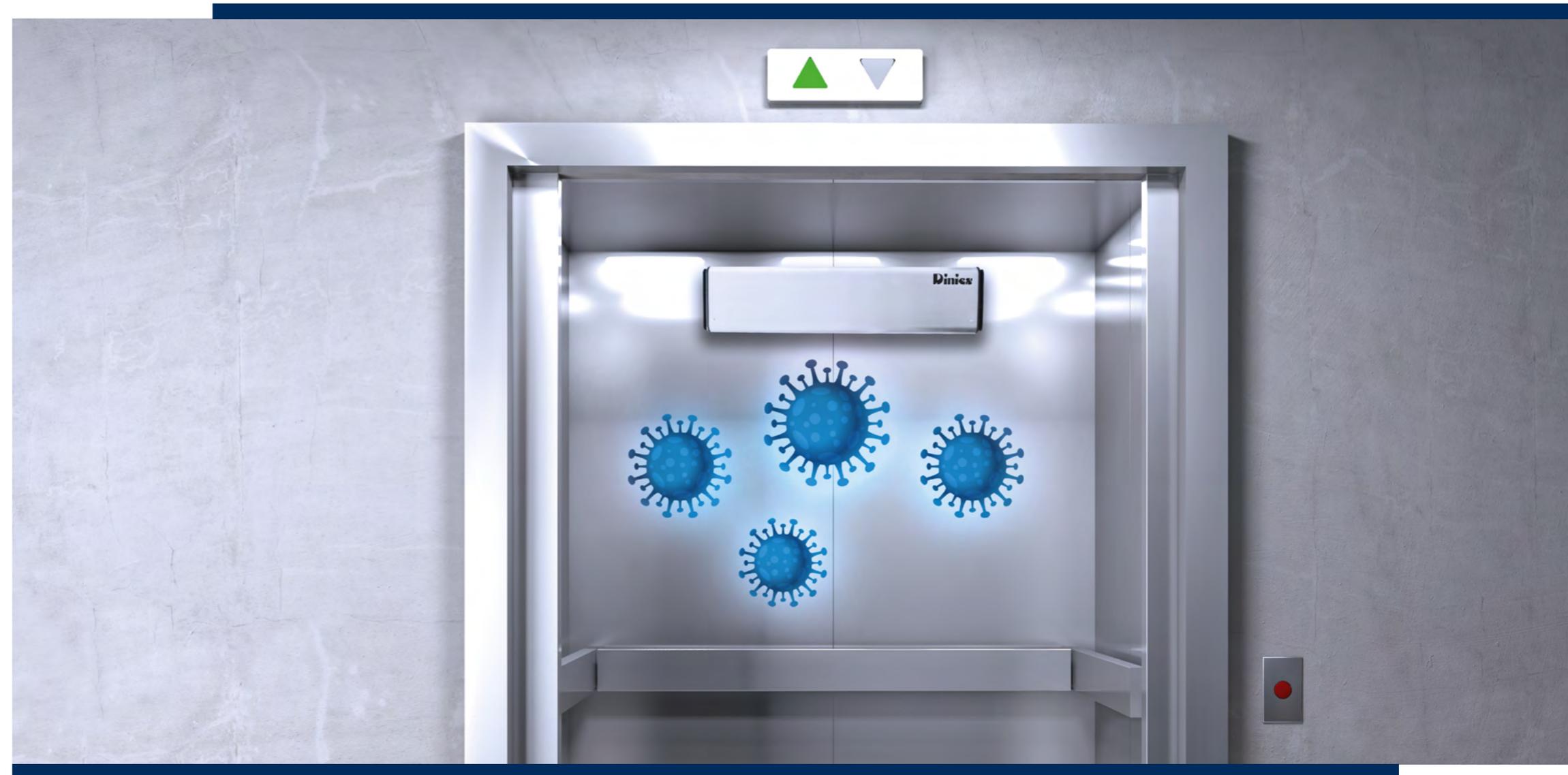
In addition, external auditors guarantee a high standard of quality and quality management systems.

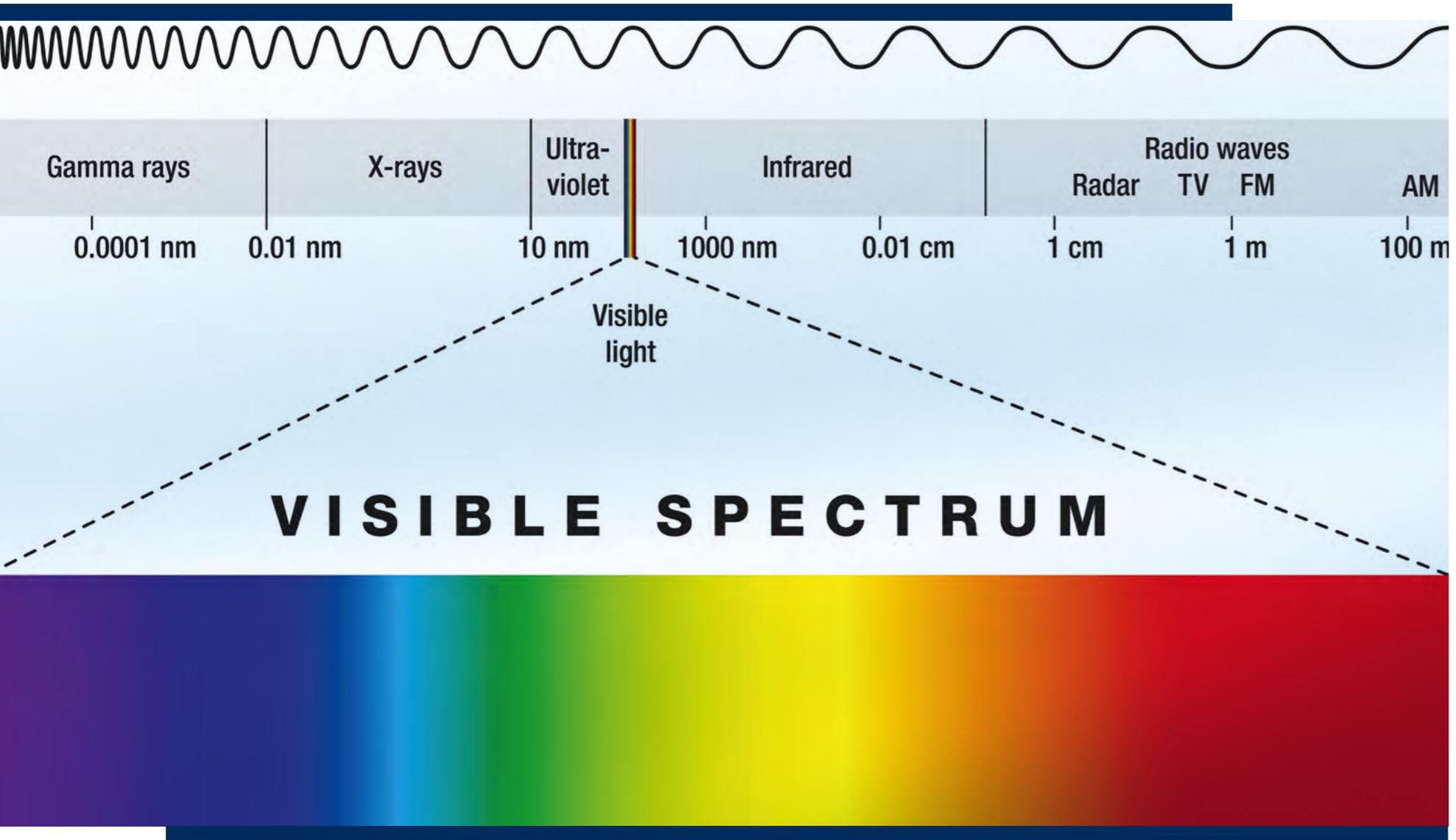
# MANY PEOPLE IN A SMALL SPACE

The risk of infection in elevators is very high due to insufficient spacing. The air in the cramped elevator cabins regularly becomes a carrier of disease as passengers are exposed to the high germ content in the air.

Due to the short infection routes one can easily become infected with viruses and bacteria via the aerosols in the room air.

REDUCE GERM CONTENT IN THE AIR & KEEP THE RISK OF INFECTION LOW



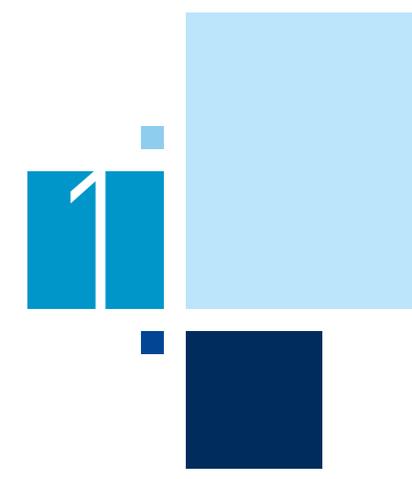


# UV-C LIGHT

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.



Dinies Technologies air purifiers use UV-C lamps with a wavelength of 254 nm. Through the built-in fan, the ambient air is guided past the UV lamps. The powerful UV-C radiation kills all bacteria, viruses, germs and spores inside the housing.

The outflowing air is virtually germ-free and the risk of infection is significantly reduced. With this environmentally friendly process, the germ content in the ambient air can be reduced by up to 99.9% without the use of toxic cleaning agents and chemicals as well as costly filter technology.

**Effective & Safe for Humans**

The UV-C air purifiers are designed in such a way that the room air can be optimally disinfected, but the light does not pose any danger to the people in the elevator car. This is because there is no direct human exposure to the UV-C light.



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EFFICIENCY  
& SAFETY OF UV-C



The LiftNclean is the UV-C solution for elevators, lifts, and cable cars. The specially designed UV-C disinfection module disinfects and cleans the room air continuously without the use of chemicals. The air purifier removes up to 99.9% of all microorganisms, viruses and bacteria including SARS-CoV-2.

The LiftNclean is distinguished by its DIN EN 81 compliant design, thus fulfilling the standard for installation in elevators, where it can be installed and operated continuously. This method can be used while people are in the elevator, because the disinfection of the air takes place inside the robust housing and no UV-light is emitted.



## AREAS OF APPLICATION 3<sub>2</sub>

- Elevators
- Lifts
- Gondolas
- Cable Cars
- Rooms up to 40m<sup>2</sup>

## 3<sub>1</sub> DATA

Model	Rated voltage	Rated power	UV-C power	Air flow	Max. room size	Dimensions LxWxH	Volume
LiftNclean	230V, 50/60Hz	65W	17W	70m <sup>3</sup> /h	15m <sup>2</sup> elevators 40m <sup>2</sup> rooms	723x172x103mm	32dB
LiftNclean 110V	110V, 60Hz	65W	17W	70m <sup>3</sup> /h	15m <sup>2</sup> elevators 40m <sup>2</sup> rooms	723x172x103mm	32dB
LiftNclean 24V	24VDC	65W	17W	70m <sup>3</sup> /h	15m <sup>2</sup> elevators 40m <sup>2</sup> rooms	723x172x103mm	32dB