



# ROOMMAP

MY AIR PROTECTOR

Professional UV-C air purification solution

Aerosol Disinfection

MADE IN GERMANY

design by

 **DUKART**  
engineering & production

# UV-C air disinfection

The infection via droplets and aerosols in the indoor air counts as one of the main reasons for virus transmissions. Especially small, closed, and poorly ventilated rooms are greatly affected.

## How come?

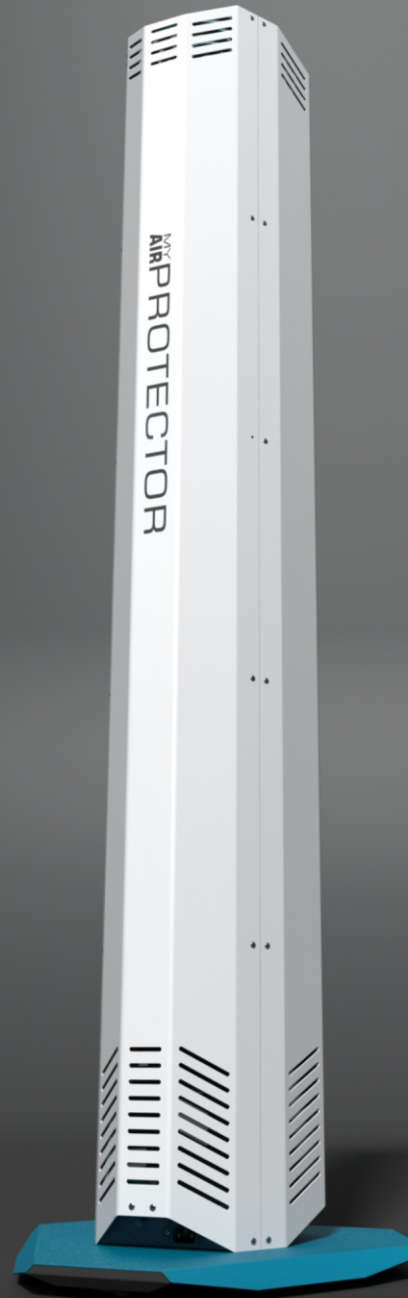
Aerosols...

- ... keep floating in the air for a longer time
- ... don't quickly sink to the floor but droplets do
- ... overcome larger distances
- ... transmit viruses through breathing them in

This leads to the concentration of the viruses to steadily increase.

Wearing masks and keeping a distance is important but that alone isn't enough!

The individual room concept **MY AIR PROTECTOR** disinfects the indoor air by the use of UVC radiation. The surrounding air is aspirated and isolated with a high dose of UV-C light where it gets irradiated.



We are the developers and manufacturers  
**MY AIR PROTECTOR**

### experience

with 20 years of experience in the device development

Development of ventilation and air conditioning systems for rail and aircraft

Fundamental research in medical technology

### Strategy

Usage of one Aircleaningconcept for each separate room

Based on the german standards (ArbStättV, ASR).

### Our performance, your benefits



Individual consultation



Construction of individual room concepts customized for your premises with our product line by the calculations of our specialists. (no additional costs)



Creation of a risk assessment including documentation. (no additional costs)


ROOMMAP 500




up to  $\frac{99\% \text{ viruses}}{99\% \text{ bacteria}}$

top-performing  
for your health

guideline values  
depending on the room layout








 100 m<sup>2</sup>


 15 individuals\*

 for closed rooms

\* according to ASR 18m<sup>3</sup> per individual

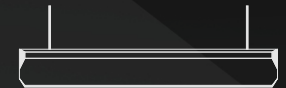


-  Dependable disinfection without chemicals
-  neutralizes up to 99% of viruses and bacteria
-  closed system isolated UV-C radiation
-  safe continuous operation including function monitoring
-  modern design made out of high-quality materials
-  sturdy and safe metal housing, absolutely UV-C resistant
-  developed and manufactured in Germany

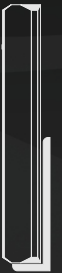
 replaceable particle filter

G4 particle filter > 10µm  
filtration of: pollen, hair, house dust, spores, insects, fly ash

 Variations

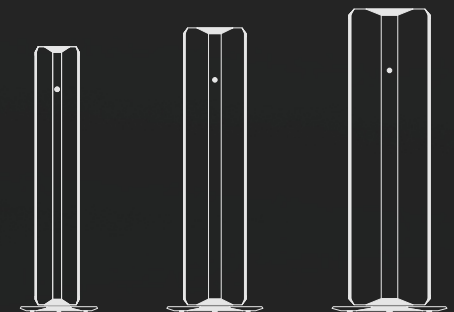


Either as a floor-mounted appliance or as a wall/ceiling-mounting available



 Executions

available in other sizes



# Prevention

protect your family, clients,  
and employees with  
**MY AIR PROTECTOR**

Each room situation shall be  
viewed and planned individually

Following aspects shall  
be considered

- Room geometry
- area
- ceiling height
- number of individuals
- space usage

Use our products as an  
advertisement for your (for infection  
rate) prevention measures.

We would gladly advise you  
regarding your personal room concept.

✉ [beratung@myairprotector.de](mailto:beratung@myairprotector.de)

☎ +49 (0) 7731 / 944 07 95



# Application examples



Schools, Colleges and Universities



Daycare centers and kindergartens



Health facilities  
Care and medical facilities



Office



Workspaces  
of all sorts for example assembly areas, ...



Waiting rooms  
doctors offices, authority offices, train stations, airports, ...



Gastronomy  
bars, pubs, clubs, hotel and day-care facilities, ...

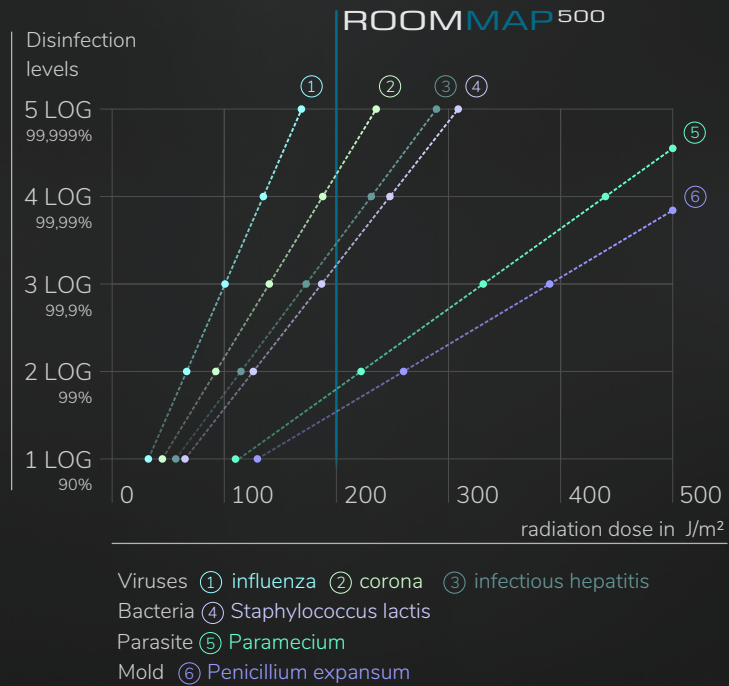


Retail  
groceries, clothing, ...

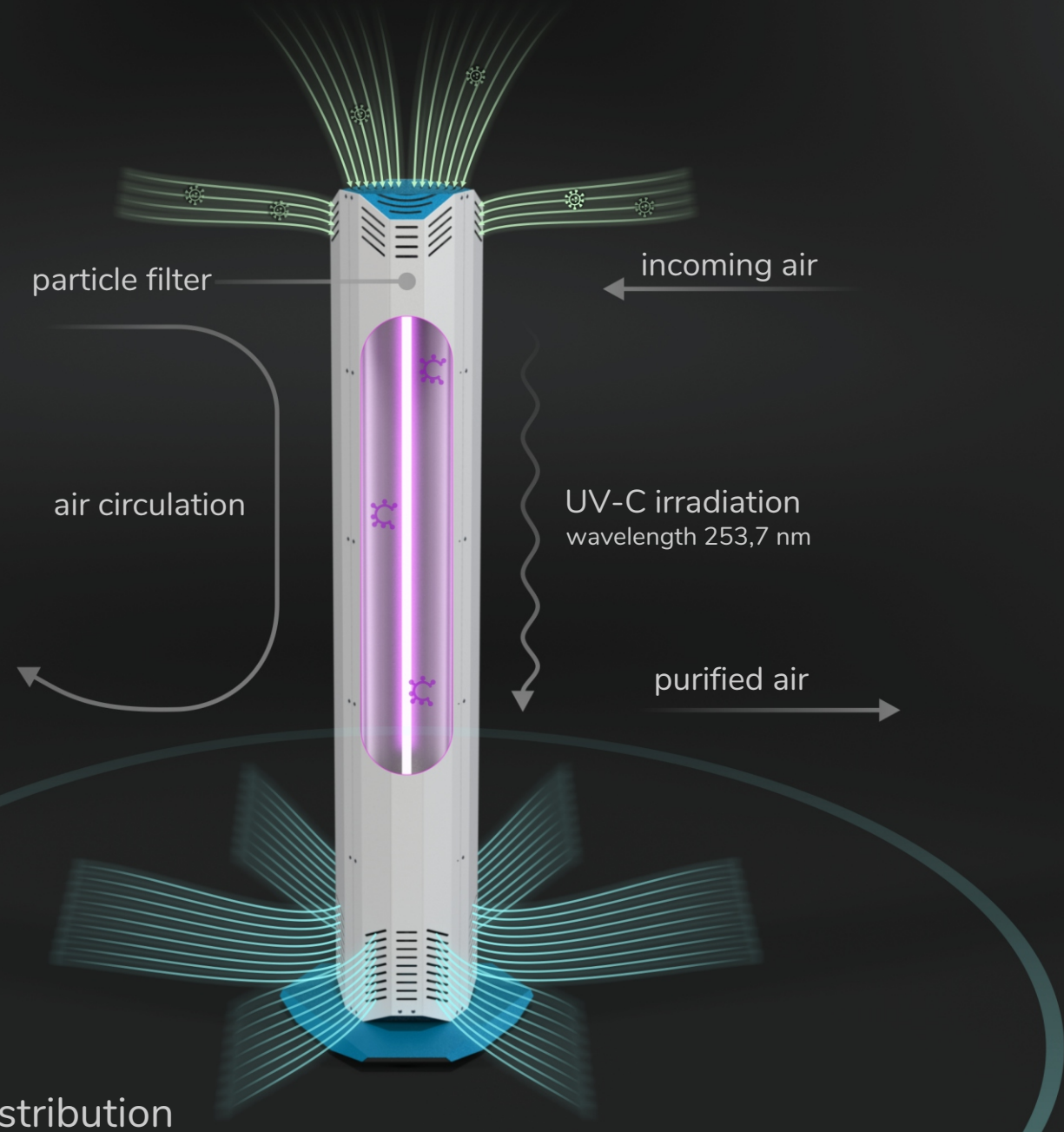


leisure facilities  
Gyms, indoor bathing parks, ...

# Function



UV-C light radiation is a reliable and environmentally friendly way of disinfection. A wavelength range from 200nm to 300nm is necessary. The most efficient working point lies at 260nm. The radiation doses are dependent on the virus, bacteria, or microorganisms. One dose corresponds to 1 J/m<sup>2</sup>. The germ reduction is indicated in Log-levels. Each log-level reduces the population by 90%.



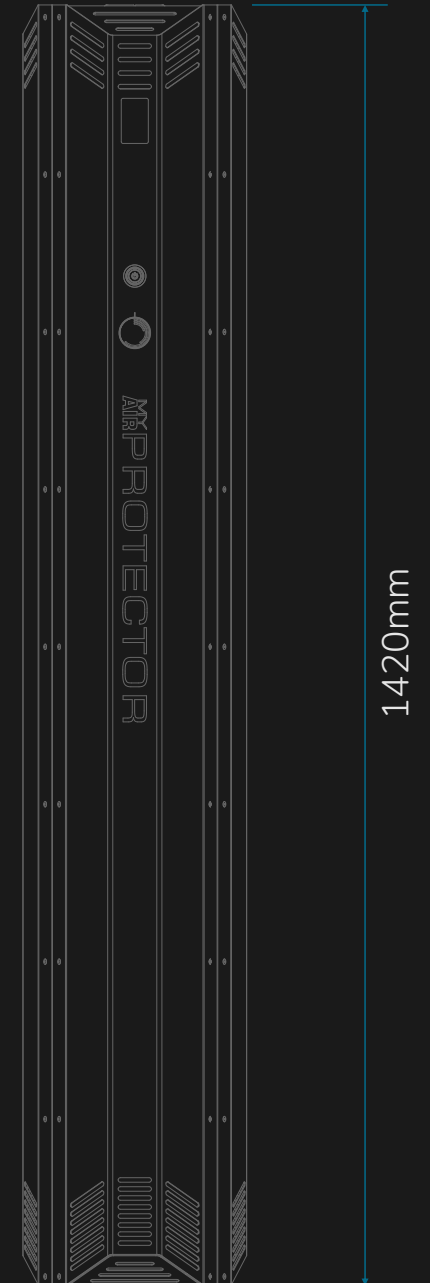
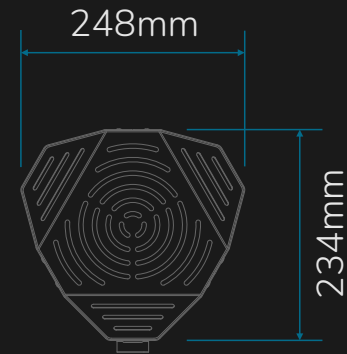
technical data



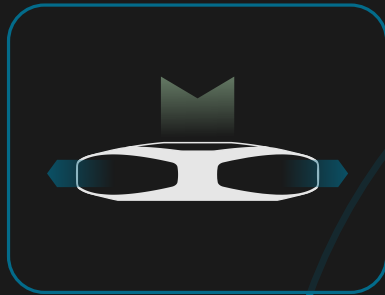
ROOMMAP

RM500

electrical power lamp	3 x 75 W
UVC - power ( W 253,7 nm )	75W
lifetime of the lamp	9.000 h
maximum fan power	565 m <sup>3</sup> /h
noise emission fan	44 dB
effective volume flow	100 m <sup>3</sup> /h – 400 m <sup>3</sup> /h
Effective noise emissions	
Min Level	38 dBA
Max level	57 dBA
G4 particle filter > 10µm	✓
electrical connection	220V - 240V 50/60 Hz
power consumption	280 W
weight	25 kg
variations	Standfuß / Wandhalterung



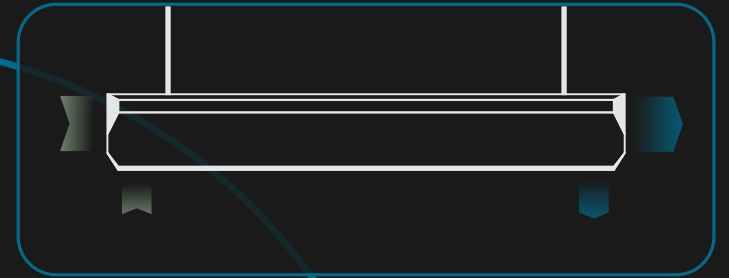
# Professional room solutions



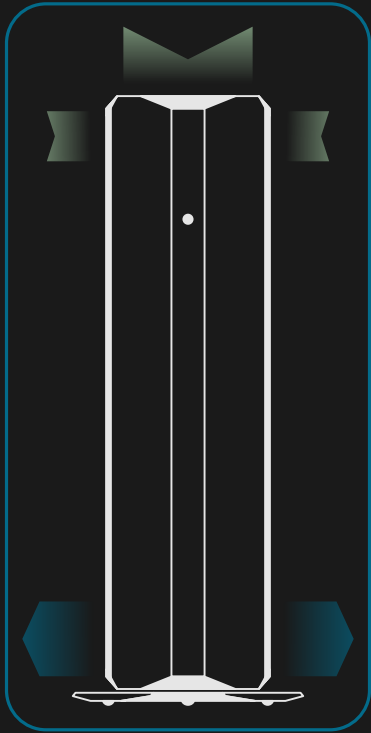
TRAVELMAP



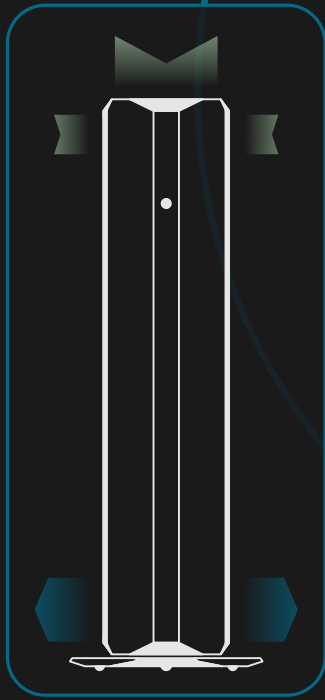
LIGHTMAP



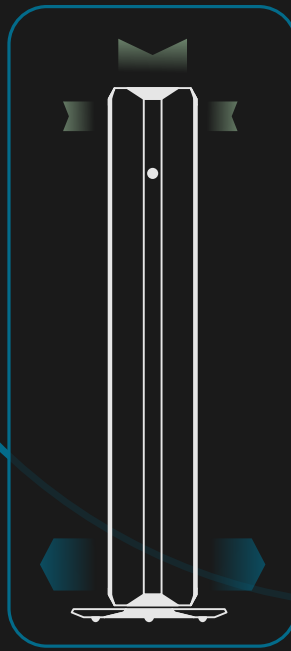
ROOFMAP 500



ROOMMAP 2000



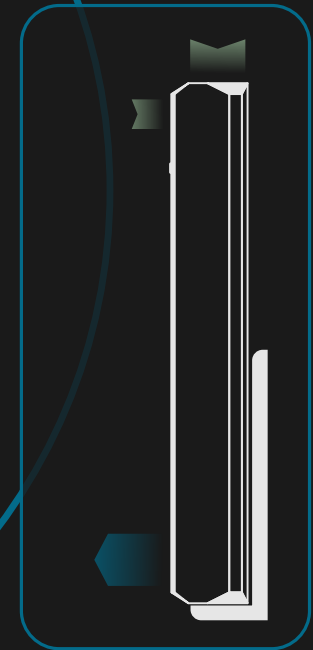
ROOMMAP 1000



ROOMMAP 500



TABLEMAP




ROOMMAP 500



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For rent  
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