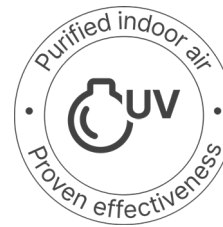
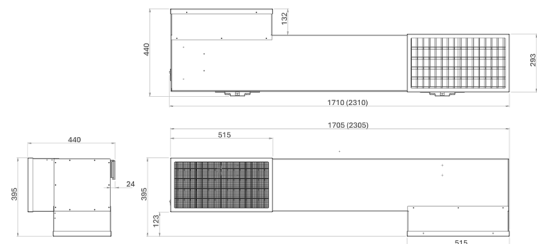


UV Smart LabAir SilentCorner – Technical data

Professional Air Disinfection for Indoor Spaces - Highly effective UV-C Secondary Air Disinfection system. By using modern, highly focused LED technology, the UV-C light works effectively within a closed internal air duct system.



- Reduction of infection risk in indoor spaces
- Extremely fast disinfection
- Effective disinfection within a closed air duct
- Use of state-of-the-art LED technology
- Low noise, 20 – 25 dB(A)
- Effectiveness confirmed by independent institutes



Type

Designation	UV Smart LabAir SilentCorner
Article no.	110301114x

Mechanical data

Housing material	Aluminium
Color	RAL 9016 White
Measurements (L x W x H)	1710/2310 x 440 x 395 mm
Weight	24/30 kg
Mounting type	Wall or Ceiling mounting
Minimum installation height	-

Optical data

Radiation source	UV-C-LED
Wavelength	280 nm (+/- 5 nm)
Irradiance Ø	2,5 mW / cm ²
Photobiological safety	Risk class 3
Active optical area	Closed

Electrical data

Connected load	45 W
Supply voltage	220 – 240 V / 50 Hz
Control unit	mains voltage switch (On/Off)
Connection	IEC connector C14
Protection class	I
Maintenance interval	10,000 operating hours

Environmental conditions

Ingress prot.	IP 20
Ambient temperature	10 to 35°C
Recommended room depth	-

Labeling and certificates

License plate	CE
Applied standards	EN ISO 12100 DIN EN 60335-1 / 2-65 DIN EN 62471-6 DIN EN 62471-1 EMV2014/30/EU DIN EN IEC 55014 EU 2023/826 MRL 2006/42/EG DIN EN ISO 15858
Proof of effectiveness	LMU, Fraunhofer IBP

UV Smart LabAir SilentCorner – Technical data

Safety instructions

During installation, the instructions in the operating manual must be followed. The device is delivered in separate modules, which are to be connected on site.

For ceiling installation, suitable suspension systems must be selected, and the required safe load capacity per mounting point must be observed. Operation in an unassembled state is not permitted, as this may lead to increased UV-C radiation, which can be harmful to skin or eyes. When assembled correctly, no impermissible UV-C radiation is emitted.

The device is designed as a stationary unit for permanent installation.

Areas of application

- Office areas: e.g. corridors, small meeting rooms
- Confined waiting areas: e.g. in medical practices and public offices
- Schools: changing rooms and cloakrooms
- Sanitary facilities

Proof of effectiveness

The system is installed in the upper area of the room. Contaminated air rises toward the ceiling due to air circulation within the room and is drawn in by the UV Smart LabAir SilentCorner. The contaminated air is evenly guided through the air duct by the intake and exhaust fans. During this process, the air passes through UV-C radiation within the air duct.

The UV-C radiation deactivates viruses and bacteria present in the contaminated air, thereby purifying it.

The purified air passes through the light trap and is discharged in a laminar flow. The integrated light traps prevent any UV-C radiation from escaping.