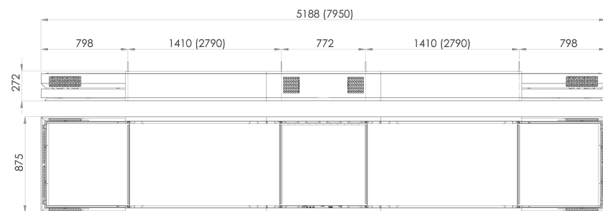


## UV Smart LabAir – Technical data

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 the risk of infection in indoor spaces
- Extremely fast disinfection
- Effective in closed air ducts
- Use of state-of-the-art LED technology
- Low noise, 40–45 dB(A)
- 3-stage adjustment via infrared remote control
- Available as a built-in version or with casing
- Effectiveness confirmed by independent institutes



### Type

Designation	UV Smart LabAir
Article no.	1103011111 (5 m Basic) 1103011112 (8 m Basic)
Options	1103011121 Cover White 5 m 1103011124 Cover White 8 m 1103011122 Ceiling mounting kit 1103011123 Design elements ventilation

### Mechanical data

Housing material	Aluminium
Color	RAL 9016 White
Measurements (L x W x H)	5188 / 7948 x 875 x 272 mm
Weight	110 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 <sup>2</sup>
Photobiological safety	Risk class 0
Active optical area	Closed

### Electrical data

Connected load	200 W (5 m) / 150 W (8 m)
Supply voltage	220 – 240 V / 50 Hz
Control unit	mains voltage switch (On/Off), remote control
Connection	Connection cable 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 62471-1 EMV2014/30/EU DIN EN IEC 55014 MRL 2006/42/EG DIN EN 62471-6 DIN EN ISO 15858
Proof of effectiveness	LMU, Fraunhofer IBP

## UV Smart LabAir – Technical data

### Safety instructions

The instructions in the operating manual must be observed during installation. The device is delivered in individual modules, which are connected to each other on site.

Suitable mountings must be selected for ceiling installation. The required safety load capacity per mounting point (8 pieces) is at least 83 kg. Operation in an unassembled state is not permitted, as this may result in increased UV-C radiation, which can be harmful to the skin or eyes. When assembled, no impermissible UV-C radiation is emitted.

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

### Areas of application

- Office spaces
- Hotels/restaurants
- Medical facilities and practices
- Small retail spaces
- Government offices
- Schools
- Concert halls
- Sanitary facilities

### Proof of effectiveness

The system is installed in the upper part of the room. Contaminated air rises to the ceiling due to air circulation in the room and is sucked in by the UV Smart LabAir. The contaminated air is evenly distributed through the air duct by the intake and exhaust fans. The air passes through the UV-C radiation in the air duct. The UV-C radiation deactivates the viruses and bacteria in the contaminated air. This purifies the air.

The purified air passes through the light trap and is blown out in a laminar flow. The built-in light traps prevent UV-C radiation from escaping.

### Functions

The device can be set to three power levels using the remote control.

Level 1	2,000 m <sup>3</sup> /h
Level 2	1,500 m <sup>3</sup> /h
Level 3	1,000 m <sup>3</sup> /h