

## UVC-CleanAir panel with germicidal air cleaning

Ordering code: DD-MOL-801

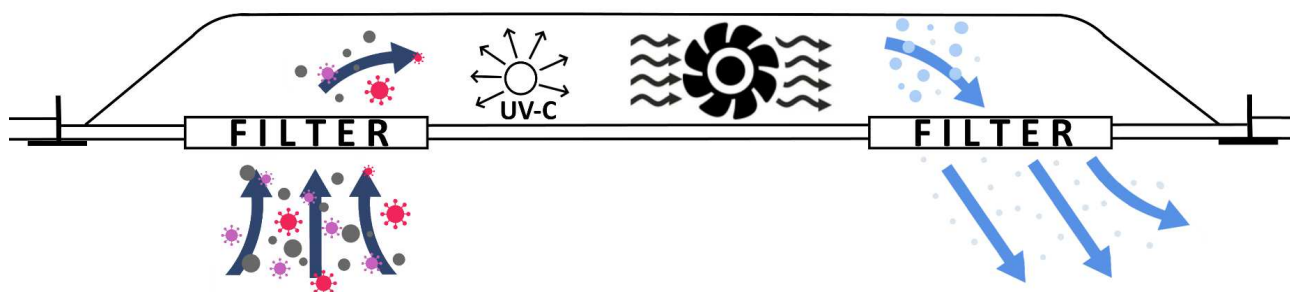


UVC-CleanAir ceiling panel is designed for interiors for continuous air disinfection by an effective UV-C method. The use of UV-C light with a wavelength of 253.7 nm does not generate ozone and the closure of the UV-C emitter in the body of the ceiling panel prevents unwanted leakage of UV radiation into the disinfected area and thus UVC-CleanAir is intended for disinfection of areas during the presence of persons, for example for schools, offices, dispensaries, shops, restaurants and the like.

Recent scientific studies show that the main route of transmission of SARS-CoV-2 virus is inhalation of the airborne viruses in enclosed spaces, transmission by contact from contaminated surfaces is rare (however, hands must be washed and disinfected regularly). For this reason, it is very important to effectively disinfect the air in enclosed spaces, especially during the presence of persons in these spaces.

## Main features

- The product uses UV-C lamp for continuous disinfection of the flowing air and LED panels for lighting of the spaces.
- The panel sucks in ambient air, which passes through a closed chamber with a UV-C lamp, where viruses, bacteria, fungi and other pathogens contained in the air are destroyed by the action of UV radiation with a wavelength of 253.7 nm.
- The cleaned air exits through the second opening back into the room. The volume of cleaned air is approximately 0.8 m<sup>3</sup> / min. (approx. 51 m<sup>3</sup> / hour).
- The device is designed for non-stop operation 24 hours a day in the presence of people (thanks to a closed UV-C emitter).
- The device does not use any chemicals for its operation and does not generate any harmful by-products or ozone.
- Standardized dimensions for cassette ceilings for easy installation in areas with suspended ceilings.
- Suspension points integrated into the rear cover of the panel allow mounting by hanging under any ceiling.
- Indication of the operating status: red LED - readiness of the device for operation (Stand-by), green LED - UV-C disinfection in progress + faint purple color of the sight glass on the bottom of the panel.
- Easy control by remote control of UV-C disinfection and LED lighting functions also with timers for individual functions (UV-C: continuous operation, 0.5 hours, 1 hour, 2 hours and 3 hours; LED lighting: continuous operation, 1 hour and 2 hours).
- Power supply 230 V AC, total power consumption 42 W.
- Silent fan.



The device is intended for indoor use - do not expose the device to extreme temperatures, water and increased humidity, aggressive chemicals and mechanical shock or fall.

## Technical specifications

Input voltage	220 - 240 V AC
Total power	42 W
UV-C lamp / power / wavelength	1 pcs Philips TUV T5 / 11 W / 253,7 nm
Fan power	0,8 m <sup>3</sup> /min. (approx. 51 m <sup>3</sup> /hour)
LED lighting	2 stripes with 21 modules with 4pcs LEDs each
Light output	3600 lm
Light colour temperature	4000 K
Air filters	G3
Dimensions	595 × 595 × 95 mm
Weight	5,65 kg (netto) / 6,55 kg (brutto)