

UV Air Purifier

CDUK

Large Room Purifier Datasheet



LARGE ROOM - 216W luminaires emitting ultraviolet (UV-C) light are one of the most effective (99.9%) devices capable of removing viruses, bacteria, fungi from the environment in the presence of people and animals.

- Air flow disinfection function
- Type of light: UV-C ultraviolet
- Colour: white matt body, galvanised silver front or black matt body, golden galvanised front
- The body is made of powder coated carbon steel
- The front of the luminaire is made of perforated and galvanized carbon sheet
- Natural zinc front in the silver white version
- In the golden black version, the front is additionally coated with car paint (Subaru 87)
- All paint coatings are resistant to the full range of UV radiation (A, B, C)
- Smooth air flow adjustment: from 70 m³/h to 200 m³/h
- Recommended size of the disinfected room: from 20 m² (60 m³) to 100 m² (300 m³)
- HEPA H13 filter + carbon filter
- Light source lifespan: 9000 h
- UV-C Wave length: 253.7 nm
- Supply voltage: 220-240 V
- Class of protection against electric shock: I
- Ingress protection class: IP20
- Power cord: 3 m
- ON/OFF switch
- LCD panel with control buttons
- Dimensions of the luminaire: 710 x 260 x 260 mm

Luminaires recommended for use in service-providing facilities (hair and beauty salons), health care facilities, hotels, restaurants, public administration, higher education and care facilities, as well as for private use. Air Marshal staff can calculate UV-C exposure times for each instance.

Extra care must be taken to avoid accidental direct exposure to UV-C light.

UV Air Purifier



Large Room Purifier Datasheet



Air flow disinfection function

Thanks to stimulated circulation, the air passes through the inside of the luminaire, where it is exposed to the light and disinfected, and then pushed out. The shielded UV-C light does not escape to the outside of the luminaire, so it can be used in rooms where it is necessary to safely and effectively disinfect the air in the presence of people.

Air flow adjustment (noise level)

- 25% fan power = ~70 m³/h (~38dB)
- 50% fan power = ~90 m³/h (~44dB)
- 75% fan power = ~110 m³/h (~48dB)
- 100% fan power = ~200 m³/h (~51,5dB)



Operating modes controllable from the LCD panel:

- "UVC ON-OFF" mode with fan power step adjustment: 0%, 50%, 75%, 100%
- "Fan without UVC" mode with fan power step adjustment: 0%, 50%, 75%, 100%
- "Delay ON" mode with the option to activate disinfection after the time set by the user (every 15 min; max. 24h)
- "Delay OFF" mode with the option to stop disinfection after the time set by the user (every 15 min; max. 24h)
- "System info" - checking the service life of fluorescent lamps

The luminaire is also equipped with a system checking the efficiency of all UV-C lamps. If one of them is inoperative, the fan power is reduced. If the next one is inoperative, the device turns off. All possible failures are signalled on the display.

Luminaire Version	Luminaire Power (W)	Service life of UVC lamp (h)	Plug	Cable Length	Protection Class	Colour	Supply Voltage	Weight (kg)	Order Code
SENTINEL TITAN SILVER	216	9000	UK 13A Plug	3 m	I	Silver / White	220-240 V	16	AMSTSIL216
SENTINEL TITAN GOLD	216	9000	UK 13A Plug	3 m	I	Gold / Black	220-240 V	16	AMSTGOL216



Made in Europe