



PHILIPS

Disinfection with UV-C Light

**Peace of mind in
public facilities:**
Bad Dürkheim relies on
UV-C solutions from Signify



“ For a long time, we have been thinking about how exactly we can add a layer of protection for staff, pupils, and visitors at our schools, daycare centers, after-school care centers, and town hall. With Philips UV-C technology from Signify, we have found a long-term and future-oriented solution.”

Christoph Glogger, Mayor of Bad Dürkheim

The challenge

Maintaining high levels of hygiene standards will remain a cornerstone of social interaction for the foreseeable future. That's why public, highly frequented facilities are increasingly interested in solutions that will enable them to reduce the risk of infections as effectively as possible. The city of Bad Dürkheim has already recognized this need and made it its mission to invest in a long-term, future-proof strategy. Their focus was on finding a solution that could seamlessly integrate with existing disinfection systems, while remaining cost-effective.

The solution

To demonstrate the possibilities of comprehensive infection control at the municipal level, Bad Dürkheim turned to UV-C disinfection solutions. Over 2 construction phases, 4 elementary schools, 7 daycare centers, 2 after-school care centers, and parts of the Bad Dürkheim town hall were equipped with a total of 15 mobile, plug and play Philips UVCA200 air disinfection units, and 85 Philips upper air UV-C ceiling-mounted devices, which were installed by local electricians who had been specifically trained to safely install the upper air devices.



Philips UVCA200 Air Disinfection Unit



Effective inactivation of viruses and bacteria

The mobile disinfection unit draws in and disinfects a room's air using UV-C disinfection lighting technology. In a room with a volume of 80m³, the unit inactivates 95% of all microorganisms in just one hour¹, offering effective disinfection and greater protection for occupants.



Ready for use - no installation or mounting needed

The free-standing UVCA200 disinfection unit does not require assembly or installation. Simply plug and play. It can be placed anywhere in a room or moved around freely and easily to other spaces via its four wheels.



User-friendly interface

Thanks to the clear touch panel that lists the available options plainly and simply, operation of the Philips mobile UV-C air disinfection unit is intuitive and easy to understand.



Simple, shapely design

The aesthetic appeal and high-quality design of the mobile disinfection unit plays a major role in ensuring that it fits seamlessly into any environment.

UV-C ceiling & wall-mounted devices Upper air disinfection



Optimized for effective air disinfection

In schools and public buildings, where people are present, the use of UV-C upper air disinfection devices is particularly practical and useful for continuously disinfecting the air. Installed on the ceiling, or on the upper part of a wall (above 2.4m) the luminaires create a zone of UV-C light directly under the ceiling. Contaminated air moves via convection and natural or mechanical ventilation to the upper air layer, where the UV-C light inactivates the viruses and bacteria. The disinfected air then flows down to the lower air layer and circulates around the room. The devices are hardly noticeable as they occupy a room's upper air space. This was one of the reasons why these devices were chosen.



Quiet, unobtrusive disinfection that does not disturb

Because the UV-C upper air devices do not require a fan, they operate completely noiselessly, so they do not interrupt the teaching on an acoustic level. This allows classroom tasks that require a high level of concentration to be completed without disturbance.



Environmentally friendly

Filter-free, with very low energy consumption (38W). No ozone emission during or after use.

1. Henan Zhongke Lianchuang Test Service Co., Ltd Test conclusion: Philips UV-C Disinfection air unit (UVCA200) was operated for 60min and 120min respectively in the 80m³ test chamber, and the killing rate of natural bacteria in the air was ≥95% in each test which met the requirement of WS/T648-2019 [General hygienic requirement for air disinfecting machine].



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