

PHILIPS

UV-C disinfection upper air



First gym in
the Netherlands
with UV-C light
to disinfect air in
workout spaces

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Philips UV-C disinfection upper air ceiling mounted

Case study

 't Klaslokaal

 UV-C
 disinfection
 solution

Upper air



“ In our gym, all hygiene and distance regulations according to RIVM¹ are implemented. I am convinced our UV-C lamps provide a valuable contribution to keeping the air in the upper sections of our workout spaces disinfected. You work out in a disinfected room and we are the first to introduce this in the Netherlands. I believe that aerosols are a big part of the problem and I want to be ‘avant-garde’, to be part of the solution. And if the second wave will arrives, we are ready for it.”

Toby Timmers, owner 't Klaslokaal

Customer challenge

't Klaslokaal is a gym school based in Bloemendaal, the Netherlands. When the COVID-19 pandemic kicked in and the lockdown was announced, the owner Toby Timmers had to quickly adapt and think of new ways to avoid personal bankruptcy. Despite all the efforts and adjustments, including aerobics lessons via Zoom and lessons in the parking lot, the business was suffering. He had to close his exclusive women's gym and adapt.

The right lighting

Being an entrepreneur, Timmers reinvented himself and developed a new concept: a disinfected gym, where one can easily exercise at a 1.5 m distance, without worrying about being too close to others in an indoor space where the virus can spread. Next to excellent ventilation he installed four Philips UV-C disinfection upper air units in his gym, which are designed to be installed on ceilings for the disinfection of air in the upper areas of a room in a wide range of applications.²



Optimized for low ceiling heights with a minimum of 2.5 meters

The UV-C rays are distributed at device level and above, allowing quiet disinfection of a large volume of air in the upper areas of a room while business activity continues underneath the device's level. Philips PL-S TUV lamp included: 4x9 W.



Deactivates tested pathogens

UV-C light has been proven to effectively deactivate tested pathogens.³



Safety in mind

Radiates UV-C in the upper areas, where it does not reach people.⁴ As a result of this, business activities can continue, while the device is on.



Environmentally friendly

No ozone emissions during or after use.

Learn more at
www.philips.com/uv-c

¹ National Institute for Health and Environment in the Netherlands

² Certified UV-C installation by Alain Timmers, Timmers Elektro en Illuminatie Techniek BV, The Netherlands

³ Reed, N.G. 2010. The history of ultraviolet germicidal irradiation for air disinfection. Public Health Reports January-February, 125(1):15-27.

⁴ Philips UV-C disinfection upper air luminaire must only be sold and installed by professionals according to our stringent safety and legal requirements, set forth in the user manual and/or the mounting instructions.