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Park Spaces

UV-C lighting

Case study:
Wodny Park
Warszawianka, Poland

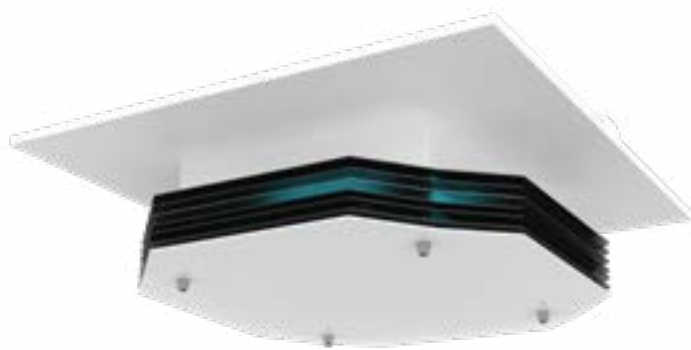


The safety and well-being of our customers are our priority. The second wave of COVID-19 is here and thanks to the Alkco UV-C installations, we are prepared for it.”

Dariusz Pastor, president of Mokotowska Warszawianka - Water Park Foundation

Customer challenge

Wodny Park, Warszawianka is the most popular sports and recreational facility in the capital of Poland. The comfort and safety of visiting guests is the highest priority for the owner, the Mokotów Foundation Warszawianka. This is particularly so during the Corona virus pandemic, with increased hygiene recommendations and regulations in place to limit the spread of COVID-19.



The right lighting

To increase hygiene standards, state-of-the-art disinfection solutions were installed. In laboratory testing, Signify’s UV-C light sources reduced SARS-CoV-2 virus infectivity on a surface to below detectable levels in as few as 9 seconds¹. Alkco upper air ceiling mounted systems are installed in the changing rooms, and Alkco UV-C battens are used for surface disinfection in the spa area. Both are supplied and installed by Master Light Service (MLS) – a company that offers comprehensive services lighting, and has operated on the Polish market since 2007. As UV-C contractor, MLS has been professionally trained to install and operate UV-C disinfection systems.

The first water park in Poland with UV-C lighting to disinfect air



Learn more

Visit www.signify.com/uv-c for more information.

1. Nadia Storm et al, Rapid and complete inactivation of SARS-CoV-2 by ultraviolet-C irradiation, 2020. Report available at <https://www.nature.com/articles/s41598-020-79600-8>. The UV-C irradiance used in this study was 0.849 mW/cm².



Together with Signify, we provide services for our partners, keeping any standards, precautions and security in mind. We're happy, that Warszawianka is the first park in Poland protected by Signify UV-C"

Robert Faliszewski
Value Added Partner Signify,
Master Light Service

UV-C disinfection upper air

In areas where swimming pool customers gather and stay the longest, such as the changing rooms, Alkco UV-C disinfection upper air systems are installed on the ceiling. This system continually inactivates viruses and bacteria in air in a space, even in an enclosed room. The process does not interfere with the regular operation of the facility because UV-C devices are equipped with shielding and mounted at a height that allows customers to stay in the changing rooms when the device is active.

Benefits

- Emits UV-C waves in the upper part of the room, so it can be used safely when people are present.
- Choice of ceiling and wall-mounted luminaires.
- Lamps and luminaires with a long service life.
- Environmentally friendly – no ozone emissions during or after use.

1. In a study conducted by the National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University in a laboratory setting, Signify's UV-C light sources irradiating the surface of a material inoculated with SARS-CoV-2 (the virus that causes the COVID-19 disease) with a UV-C irradiance of 0.849 mW/cm² reduced SARS-CoV-2 virus infectivity to below detectable levels in as few as 9 seconds for dried virus and 4 seconds for wet virus.

UV-C disinfection batten

In the spa zone, where customers enjoy massages and body treatments, Alkco UV-C battens are installed. Designed for the disinfection of radiated surfaces, they require only a short period of time to be effective, and can therefore be used in between treatments. This means guests who booked spa treatments can be confident that they are entering a disinfected room. Moreover, as there is no downtime when using UV-C, the room can be used immediately after the disinfection process has completed.

Safety in mind

As direct exposure to UV-C light is harmful, our UV-C products are delivered with a range of safeguards and instructions¹. They come with physically integrated equipment or time safeguards, such as presence or motion detection sensors or timers, or otherwise they are to be installed with containment safeguards to enable safe operation. Also we provide extensive training and certification programs to help ensure correct installation, usage and maintenance.

