

PHILIPS

UV-C lighting



The first commercial chain in Poland to be disinfected with UV-C



Philips UV-C disinfection luminaires



“ Philips UV-C disinfection devices reduce the risk of contamination to customers and employees of “Spolem” stores and increase the safety and comfort of shopping. We believe the investment in Philips UV-C disinfection devices confirms the quality and the credibility of our brand – especially in such a difficult situation as the coronavirus pandemic.”

Agnieszka Derlecka, President of “Spolem” stores, Ozorków.

Customer challenge

Powszechna Spółdzielnia Spożywców “Spolem”, is one of the largest retail chains in Poland with more than 3,000 stores. To protect staff and customers during the pandemic, Spolem wanted to maintain the highest sanitary conditions to prevent the spread of disease, but the constant flow of customers made this a real challenge. As UV-C is one of the most effective ways to inactivate viruses and microorganisms in the air and on surfaces, Spolem decided to install Philips UV-C devices in all their stores.

The right lighting

To reduce the risk of spreading the virus, Philips UV-C disinfection upper air devices were mounted on the ceilings. These continually emit UV-C radiation in the upper part of the store while still allowing customers to carry on shopping during their operation. To disinfect surfaces, UV-C battens were installed, which are automatically activated at night when no one is present. The whole installation was carried out the highest standards and UV-C radiation is measured to ensure maximum efficacy and safety.

UV-C battens

Philips UV-C battens are activated automatically at night to disinfect surface when no one is present. Motion sensors and control clocks protect people from exposure to UV-C rays.

Upper air luminaires

Philips UV-C disinfection ceiling mounted upper air luminaires disinfect air in areas where staff and customers are present.



A proven solution

UV-C radiation is a known disinfectant for air, surfaces, objects and water that can help mitigate the risk of acquiring an infection and has been used extensively for more than 40 years.¹



Fast and effective

In laboratory tests, our UV-C light sources inactivated 99% of SARS-CoV-2 virus on a surface with an exposure time of 6 seconds.²

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

1. EPA Report, “Building Retrofits for Increased Protection Against Airborne Chemical and Biological Releases” Pg. 56
 2. Data made available to us by the National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University, which has been collected from a laboratory experiment conducted by Dr. Anthony Griffiths (Associate Professor of Microbiology at Boston University School of Medicine) and his team at the premises of the NEIDL (such data will be the subject of a forthcoming scientific publication by Boston University), shows that 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) at a UV-C dose of 5mJ/cm2 (exposure time 6 seconds) resulted in a 99% reduction of the SARS-CoV-2 virus present on that surface. This study determined that a UV-C dose of 22mJ/cm2 results in a reduction of 99.9999% of SARS-CoV-2 virus on that surface (exposure time 25 seconds). Research variables are available upon request.



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