



PHILIPS

UV-C lighting

To. market, Milan (Italy)

The first Italian supermarket
to protect shoppers with
the power of UV-C light



Philips UV-C disinfection luminaires

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“ We are always looking for technologies and services that allow us to keep up with changes. For this reason, we have chosen to collaborate with Signify and use its innovative UV-C light technology for surfaces and air disinfection.”
Mattia Ballabio, CEO of to.market

Customer challenge

To.market is an Italian brand of supermarkets and convenience stores. During the COVID-19 pandemic, to.market's biggest concern was to find a way to adapt to the new challenges generated by the health emergency. This included adopting measures to neutralize viruses and bacteria present on surfaces, objects and in air to ensure customers had a perfectly-disinfected environment in which to shop. By choosing Philips UV-C devices, to.market became the first supermarket in Italy to disinfect their stores with the power of light.

Their ultimate goal is to install Philips UV-C disinfection devices across their entire chain of retail stores.

The right lighting

Five Philips UV-C disinfection battens were installed to cover the busiest store areas, such as cash registers and shopping carts, as their disinfection cycle is only activated in the absence of people. Thanks to the homogeneous distribution of UV-C light, these can disinfect surface and objects within a room in just a few seconds¹. Seven Philips UV-C disinfection upper air devices were installed to continuously disinfect air flowing in the upper areas of the store. These feature reflectors and a louvred design to prevent exposure to UV-C rays in areas where staff and customers are present.

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.

UV-C disinfection upper air

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



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 seconds¹.



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 years².

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

1. 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.
 2. EPA Report, "Building Retrofits for Increased Protection Against Airborne Chemical and Biological Releases" Pg.



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