



Germicidal UV luminaires and solutions

We are living in unprecedented times. In the face of a global pandemic, Alkco germicidal UV luminaires utilize Signify UV-C technology to offer a layer of disinfection against bacteria, viruses, and fungal spores. Air and surface disinfection can play an important role in a broad range of applications such as schools, offices, industry, (food) retail and museums.

Alkco Germicidal UV

Luminares & Solutions

Note: The products depicted herein are not approved and/or certified as medical devices

Benefits...



- ✓ UVC effectively inactivates many viruses and germs on directly irradiated surfaces¹
- ✓ Sensor option with automatic power off in case of occupancy detection
- ✓ Environmentally friendly with no chemical residue
- ✓ Complies with all applicable regulations and standards
- ✓ Standard and timer options to delay power on for extra protection

1. Fluence (UV Dose) Required to Achieve Incremental Log Inactivation of Bacteria, Protozoa, Viruses and Algae Revised, updated and expanded by Adel Haji Malayeri, Madjid Mohseni, Bill Cairns and James R. Bolton. With earlier contributions by Gabriel Chevretil (2006) and Eric Caron (2006) With peer review by Benoit Barbeau, Harold Wright (1999) and Karl G. Linden
2. Data made available to us by the National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University (to be the subject of a forthcoming scientific publication) 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) resulted in a 99% reduction of the SARS-CoV-2 virus at a UV-C dose of 5mJ/cm² (exposure time 6 seconds). This study further determined that a 99.9999% reduction of the SARS-CoV-2 virus would result from applying a UV-C dose of 22mJ/cm² (exposure time 25 seconds). Research variables are available upon request.



To learn more about Signify UV-C Luminares & Solutions, please visit: www.signify.com/en-us/innovation/uv-c



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