



# 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

## Why Signify

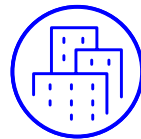


## Signify is the market leader in UV-C light sources



### Effective Solutions

All bacteria and viruses tested to date respond to UV-C disinfection lighting<sup>1</sup>.



### Versatile Applications

Can be used in numerous applications such as offices, stores and schools.



### Reliable Results

In laboratory testing, Signify's UV-C light sources inactivated 99% of SARS-COV-2 virus on a surface with an exposure time of six seconds<sup>2</sup>.



### Proven Experience

Signify has over 30 years of experience in UV-C lighting and a strong lighting application expertise.

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 Chevretils (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/cm<sup>2</sup> (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/cm<sup>2</sup> (exposure time 25 seconds). Research variables are available upon request.



To learn more about Signify UV-C Luminaires & Solutions, please visit: [www.signify.com/uv-c](http://www.signify.com/uv-c)

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



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