PHILIPS

UV-C lighting

Helping OPTIMAX achieve its vision of healthy buildings

> Honeywell and Signify offered our clinics a complete solution for air, surface and object disinfection that allows us to clearly communicate to our clinicians, staff and patients how we are working to support well-being in our spaces."
>
> **Tan Sri Dato' Tan Boon Hock, Founder, OPTIMAX Eye Specialist Centre**

Customer challenge

OPTIMAX is a network of leading eye specialist clinics in Malaysia with more than 300,000 satisfied patients since 1995. During the COVID-19 pandemic, most OPTIMAX clinics remained open to provide vital eye care services to patients. But to operate safely, the clinics required solutions that would improve their air quality and surface disinfection efforts to minimize any potential risk of contamination or spreading the disease.

The right lighting

Signify and Honeywell have a strategic alliance to deploy smart, integrated solutions to improve well-being in commercial buildings. We installed a range of Philips products including UV-C disinfection upper air luminaires, and standalone UV-C disinfection trolleys. These solutions enhance well-being by disinfecting air and surfaces in rooms while being controlled and monitored by Honeywell's Healthy Buildings dashboard.

Philips UV-C disinfection lighting

Philips UV-C disinfection upper air ceiling mounted

Designed to be installed on false ceilings to allow disinfection of a large volume of air while business activity continues below.

Philips UV-C disinfection trolley

The Philips UV-C disinfection trolley is designed to disinfect professional surfaces. It offers a coverage of 20m² square area or 36m² circular area, depending on the type of trolley selected.

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

Designed for efficacy

UV-C light effectively deactivates most viruses and germs on directly irradiated surfaces[1].

Deactivates tested pathogens

Laboratory tests conducted at Boston University show our UV-C light sources inactivated 99% of SARS-CoV-2 virus in just 6 seconds[2].

Safety first

Philips UV-C disinfection luminaires have a range of protection features to ensure safe operation, including timer and sensor options to delay operation until after people have left the vicinity.

Environmentally friendly

No ozone emissions during or after use.

A wide range of applications

Philips UV-C disinfection luminaires are suitable for a wide range of applications including upper air systems that disinfect passing air and cabinets to disinfect specific objects.

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 Chevrefils (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, 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 5m²/cm² (exposure time 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 22m²/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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