



# UV-C Lighting Technology for the disinfection of air, surfaces and objects

## Product Information

**UV-C lighting offers a proven and effective way to disinfect pathogens including COVID-19.**

At Powercor, we deliver the latest Philips UV-C lighting systems for the disinfection of air, surfaces and objects and is suitable for use in schools, transport, offices, sports arenas, factories and retail outlets.

**powercor**





## Air

# Philips UV-C disinfection air series

Philips UV-C disinfection air series quietly inactivates airborne viruses and bacteria, minimising the health risk for your people. They act by disinfecting the air in a room while business activity continues and people are present.

### UV-C upper air wall mounted



This wall mounted installation is optimized for low ceiling heights with UV-C rays distributed at device level and above.

### UV-C upper air ceiling mounted



The ceiling mounted device is designed to be installed on false ceilings for the disinfection of air in a wide range of applications. The UV-C rays are distributed at device level and above.

### UV-C active air unit



This freestanding unit can be wheeled into place and used when people are present.



## Objects

Our UV-C chambers allow for disinfection of objects such as handheld devices, headsets, parcels and protective equipment. The chamber design can disinfect surface of the objects in minutes with 4-log (99.99%) disinfection.

### UV-C disinfection chamber

The UV-C disinfection chamber is available in three sizes with easy to use, one touch operation.

Disinfection starts only when the door is firmly closed. Advanced features for secure disinfection including door sensors and magnetic locks to prevent accidental door opening and inspection windows.





# Surfaces

## Philips UV-C disinfection surface series

Surface disinfection devices are used at controlled times to fill a room or enclosed space with UV-C radiation to inactivate pathogens on directly irradiated surfaces, ideal for high contact areas. The Philips UV-C lighting systems have been proven to inactivate 99% of the SARS-CoV-2 virus on a surface with an exposure time of six seconds.<sup>1</sup>

No persons should be present at the time of usage due to high risk of harm to eyes and skin, therefore in-built safeguard controls use sensor monitoring to automatically shut down the UV-C should a person be detected within the range of the sensor.

### UV-C batten



A fixed installation of luminaires on the ceiling providing universal UV-C irradiance with homogenous distribution. 1- and 2-lamp versions available, for the bare batten and reflector batten. With high reflective aluminium housing for better reflectivity and performance.

### UV-C linear with sensor



The UV-C linear with sensor uses specially engineered mirror optics to improve efficacy 90% by controlled distribution of the irradiance compared to UV-C Batten.

### UV-C disinfection trolley

The UV-C trolley is designed to disinfect professional surfaces within 36m<sup>2</sup> of circular coverage area or 20m<sup>2</sup> of square area. Safety features including a timer, remote control, voice alarm and key locks. The UV-C trolley is a flexible solution which can be quickly repositioned in a room/space.



1. Tested Signify germicidal UV-C light sources on SARS-CoV-2, the virus that causes COVID-19. The team applied a dose of 5mJ/cm<sup>2</sup>, resulting in a reduction in the virus of 99% in 6 seconds. Based on the data, it was determined that a dose of 22mJ/cm<sup>2</sup> will result in a reduction of 99.9999% in 25 seconds.

# Applications for UV-C technology



Offices



Retail



Sports / leisure



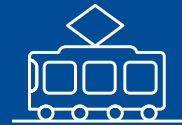
Factories



Restaurants



Schools



Public transport

## Powercor installs UV-C disinfection lighting at Harlequins Rugby Club

Harlequins, the English Premiership Rugby Union club, were the UK's first professional sports club to use UV-C technology. In partnership with Signify, Powercor installed 11 upper-air disinfection units in the Honours Bar at the club's home ground, The Stoop, providing the very best protection for their squad and supporters.



## Powercor - a trusted partner you can rely on

Our customers have been receiving exceptional service from Powercor for over 20 years. During that time we've been proud winners of numerous awards, including the Electrical Contractors Association's Contractor of the Year.

As a preferred UK partner of Signify, you can rest assured that we only supply high-quality, state-of-the-art lighting equipment. We are fully accredited with the full remit of governing bodies and health & safety associations, including the Electrical Contractors Association and the Institution of Engineering & Technology.

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