

The Philips logo is displayed in a white rounded rectangle on a dark blue background in the top left corner of the image.

UV-C disinfection

# UV-C air disinfection at Sonepar Connect Reassuring employees and customers with UV-C light





# UV-C disinfection upper air ceiling mounted

SM345C



Also available as a wall-mounted version  
WL345W

Case study  
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Sonepar  
Connect  
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UV-C air  
disinfection  
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It's my responsibility to deliver a supplementary layer of protection to our friends, collaborators and clients who come to meet us every day in our office. For this purpose we have chosen to install Philips UV-C disinfection upper air luminaires to treat the air and disinfect it.”

Jean-Pierre Santier, Director of the Sonepar Connect agency in Reims

## Introduction

Activities in high contact areas are affected by the current Coronavirus health crisis. Visiting hotels, cafes, restaurants and supermarkets, classrooms and offices, we breathe, talk and laugh. As well, we cough and sneeze. With the new measures to prevent the coronavirus from spreading, our way of living changed completely. We made a habit of washing our hands frequently, keeping 1.5 metres distance of each other and disinfecting surfaces for example. Now, looking into the air we breathe, is a problem that the Director of the SONEPAR Connect agency in Reims was keen to solve.

## The solution

Philips UV-C disinfection upper air luminaires continuously disinfect the air that flows through the upper areas of the room thanks to natural convection, or air circulation. This also ensures that the disinfected air flows back to the lower part of the room and mixes with the air. The beam of UV-C rays is controlled by specific reflectors and the louvre design, which allows This allows quiet disinfection of air while daily activities can continue safely. To date, no known pathogen is resistant to UV-C<sup>1</sup>. Philips has 35 years of experience in UV-C lighting and strong application expertise

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Installing UV-C disinfection lighting is complementary to wearing a mask and social distancing measures. UV-C disinfection upper air luminaires have been shown to be effective, as it inactivates up to 99.9% of virus Coliphage X174 in air within 10 minutes in a room with sufficient air circulation<sup>2</sup>.”

François Darsy, Office & Industry Marketer, Signify



## Optimized for low ceilings (minimum 2.5m)

UV-C rays are distributed at the height of the luminaire and above. The beam of UV-C rays is controlled by specific reflectors and the louvre design. This allows for the disinfection of the air in a room, while day-to-day business activities can continue underneath the area where the device is active. Philips PL-S TUV lamp included: 4x9 W.



## Inactivates pathogens

Philips UV-C disinfection upper air luminaires inactivate up to 99.9% of virus Coliphage φX174 in air within 10 minutes in a room with sufficient air circulation<sup>2</sup>. UV-C light has been shown to effectively inactivate the pathogens tested<sup>3</sup>.



## Safety first

The luminaire emits UV-C rays in upper areas, at a safe distance from those walking below. Therefore, activities can continue while the luminaire is in operation<sup>4</sup>.



## Respects the environment

No ozone emissions during or after use.

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. Results obtained from a laboratory test conducted by Intertek, a leading worldwide quality assurance services provider.  
3. Reed, N.G. 2010. The History of Ultraviolet Germicidal Irradiation for Air Disinfection. Public Health Reports Jan-Feb, 125 (1): 15-27.  
4. Philips UV-C Superior Air Disinfection Fixture should be sold and installed only by professionals in accordance with our strict safety and legal requirements set forth in the user manual and / or instructions assembly.



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