

PHILIPS

UV-disinfection

Philips UV-C upper air luminaires
effective against viruses and bacteria

More chance of football
success at PSV



“The health of our players is extremely important to us, and actually essential for the progress of matches. With Philips UV-C disinfecting upper air luminaires, we can offer our players and those of visiting clubs a little more protection.”

Frans Janssen, PSV Commercial Director



The background

The sports world is doing everything it can to keep viruses such as COVID-19 at bay. A virus-free environment is high on the agenda of many clubs and associations like Premier league team PSV Eindhoven. They want a football environment that is as safe as possible, for their own team and for visiting clubs. That's why PSV chose Philips UV-C upper air disinfection lighting for various rooms in their sports complexes.

The challenge

PSV's first team has been playing at a high level in Dutch and European football for years. The club is held in great esteem and is committed to safeguarding the health and safety of its players as much as possible. Like every major football club, PSV has an interest in continuing to play matches and competitions. But

during the COVID-19 pandemic, in which this newly-discovered virus is able to infect a large number of athletes and thus undermine the course of competitions, this is a huge challenge.

The solution

PSV has two football locations in its home city of Eindhoven: the Philips Stadium and PSV Campus De Herdgang. The stadium is used for competition matches, whereas the campus is used for training and education. PSV installed 15 Philips UV-C disinfecting upper air luminaires at both locations. In the stadium, three of these are in the home team changing room and three in the visiting team changing room. At the campus, there are five in the changing rooms and another four in the medical room. These are all areas where players spend a relatively long time with each other in close proximity, and where the risk of contamination is high.

“We work in elite sport.
Every fit player counts.
**We prefer to keep every
virus away from them, be
it COVID-19 or the flu.**
The upper-air lighting helps
us to be more successful
on the field.”

Gust van Montfort, Club Doctor

Operation

UV-C is a proven effective technology for inactivating viruses and bacteria. The technology has been used to disinfect for more than 35 years. Philips UV-C upper air luminaires have a peak radiation of 254 nm. This value is close to the peak wavelength for inactivating germs. UV-C lighting breaks down the DNA or RNA of micro-organisms, including that of viruses and bacteria, preventing them from reproducing and rendering them harmless.

UV-C upper air luminaires disinfect continuously. Air flows to the upper layers of air in a room by means of natural convection. Once it has been disinfected by the fixtures, it flows back down and mixes with lower air layers in the dressing room.

The advantages

The safety reflectors and louvre design of Philips UV-C disinfecting upper air luminaires prevents exposure to the UV-C light source. That means they can be used while people are in the room, enabling players to remain in the dressing room carefree, so they can focus on the match.

About safety

Any UV-C installation must meet important safety requirements. Always seek professional advice before you purchase. UV-C lighting should only be installed by UV-C installers.



The facts

Customer

PSV

Sector

Sport

Solution

15 UV-C disinfection upper air luminaires

Results

Installing Philips UV-C upper air luminaires offers PSV extra protection against viruses and bacteria in key locations in their facilities. Players can now use the rooms for extended periods with a reduced risk of infection.



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02/2021