

PHILIPS

UV-C disinfection



Premier protection for rugby's star players

Philips UV-C upper air luminaires help keep Harlequins players safe off the pitch





Philips UV-C disinfection upper air wall mounted

Case study
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Harlequins
.....
UV-C
disinfection
solution
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“ Signify is a highly trusted partner and a leader in their field. We are proud to be the first professional sports team in the UK to use UV-C disinfection lighting technology, and we expect to see it widely utilised in future across the sports and events industry.”

Laurie Dalrymple, Chief Executive Officer, Harlequins

Customer challenge

For international athletes, staying at the peak of physical health is a way of life. Top clubs take every measure to protect their most valuable elite players.

For English Gallagher Premiership Rugby Union Club Harlequins, keeping their first team healthy and at the top of their game is paramount. The club does everything it can to help protect players from the threat of COVID-19 infection, and from future threats, too.

VIP protection

Harlequins has backed Philips UV-C disinfection to provide an extra layer of protection at its famous home ground, Twickenham Stoop.

11 UV-C disinfection upper air units hang above the club's Honours Bar. This area is normally reserved for Season Ticket Members but currently serves as the home team players' dressing room. Players can benefit straight

away from the new safety measures, while the Members area is ready to welcome Season Ticket Members when The Stoop can once again open its doors to the Quins' loyal supporters.

Behind the scenes

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 Honours bar area.



Optimised for installation at 2.3+ metres

The UV-C rays are distributed at device level and above, allowing quiet disinfection of a large volume of air in the upper areas of a room while normal activity continues underneath the device's level.



Deactivates tested pathogens

UV-C light has been proven to effectively deactivate tested pathogens. Test results show that UV-C disinfection upper air luminaires inactivated 99.99% of SARS-COV-2 in the air of a room within 10 minutes.¹



Safety in mind

Radiates UV-C in the upper areas, where it does not reach people. As a result of this, normal activities can continue while the device is on.²



Environmentally friendly

No ozone emissions during or after use.

A note on 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.

 **Learn more at**
www.philips.co.uk/uv-c

1. Tests were conducted with Philips UV-C disinfection upper air wall mounted luminaires. The overall dimensions of the test chamber were approximately 8'x8'x10', compliant with Biosafety Level 3 standards.

2. Philips UV-C disinfection upper air luminaire must only be sold and installed by professionals according to our stringent safety and legal requirements, set forth in the user manual and/or the mounting instructions.

“ Signify’s UV-C disinfection lighting adds an additional layer of protection to the stringent testing and operational processes we have in place to protect the squad. From a medical perspective, I am very satisfied with the way the technology has been tested in depth and fully proven.”

Mike Lancaster, Head of Medical at Harlequins



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