

**PHILIPS**

UV-C disinfection



UV-C surface and air disinfection to bring additional protection to visitors, staff and patients at Beijing Forestry University Hospital



“Signify is well-recognized for its brand and quality of products and services. The innovative Philips UV-C disinfection upper air helps to ensure our daily routine is not disturbed, while keeping the space disinfected.”

Junpeng Hou, Manager of Energy Saving Office of General Affairs Department, Beijing Forestry University

**Customer challenge**

At Beijing Forestry University, disinfection was needed for several zones, which required an integrated disinfection solution for both surfaces and air. The hospital provides a 24/7 service, which demands a highly-flexible operation with the capacity to disinfect surfaces in rotating rooms. In addition, continuous air disinfection was required in public zones including the lobby and reception areas, and a mobile disinfection method for storage.

**The solution**

The total solution is a combination of UV-C disinfection upper-air, batten, and trolleys that provide an effective disinfection whilst respecting the safety of spaces. Several areas were identified, as to tailor the right solution to each of the applications. In the hospital, upper air luminaires were installed in the waiting halls, batten in the rooms, and trolleys in other areas. In the canteen, bare batten without sensors were chosen for the food processing room and dining hall. In total, 50 products were installed: 40 batten in rooms, seven upper air solutions in the lobby and reception, two trolleys and one chamber.



**Philips UV-C disinfection batten**

A fixed installation of luminaires on the ceiling is used at controlled times to fill a room or enclosed space with disinfecting UV-C radiation.



**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 20m<sup>2</sup> square area or 36m<sup>2</sup> circular area, depending on the type of trolley selected.



**Philips UV-C disinfection chamber**

Three sizes of the Philips UV-C disinfection chamber are available. These can be used to disinfect items such as smartphones, hand-held devices, and other everyday objects by destroying the bacteria's ability to multiply and spread disease.



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