

**PHILIPS**

UV-C disinfection



**Additional protection for  
shoppers and employees**

**UV-C air disinfection lighting  
at EDEKA Clausen**



## UV-C disinfection upper air wall mounted



“ We are proud that we are the first supermarket in Germany to provide both our shoppers and employees an additional layer of protection. We have been working very successfully in the lighting field for many years with Signify and together we aim to provide our customers with the best possible shopping experience.”

Dr. Dirk-Uwe Clausen, Managing Director

### Customer challenge

With the Coronavirus pandemic present, shopping brings some challenges. The last thing you would need, is to worry about your health and safety during shopping. The need for disinfection options - in particular for indoor air, but also for surfaces and equipment has increased significantly. A challenge that was faced by EDEKA Clausen supermarket in Hamburg to provide additional safety of customers and employees.

### The solution

As an innovative retailer, EDEKA Clausen is the first supermarket in Germany to deliver an additional layer of protection with 31 Philips UV-C disinfection upper air luminaires installed to cover 1,315.70m<sup>2</sup> large branch in Hamburg. As the upper air devices are equipped with shielding and optics to prevent exposure to UV-C radiation, employees can safely fill the shelves, and customers do their grocery shopping. The UV-C upper air luminaires continuously disinfect the air that flows through the upper areas of the store, thanks to natural convection, or air circulation. Philips BioShift chamber was also set up to disinfect objects such as shared hand-held scanners, adding another level of safety for employees and customers.

 Learn more at  
[www.philips.com/uv-c](http://www.philips.com/uv-c)



### Optimized for installation at 2.3+ meters

The UV-C wall lamps are installed at EDEKA Clausen on pillars and walls at a height of 3.2 to 3.5 meters. UV-C rays are distributed at the luminaire level and above, allowing silent disinfection of large volumes of air in upper areas of the supermarket, while human activity can continue below where the device is active.



### Safety and compliance

The installation height, combined with shielding and optics enables business continuity radiates UV-C in the upper areas, where it does not reach people.<sup>1</sup>



### Deactivates tested pathogens

UV-C light has been proven to effectively deactivate tested pathogen.<sup>2</sup> Philips UV-C disinfection upper air luminaires inactivate up to 99.9% of virus Coliphage  $\phi$ X174 in air within 10 minutes in a room with sufficient air circulation.<sup>3</sup>



### Environmentally friendly

No ozone emissions during or after use.

1. Philips UV-C disinfection upper air lighting 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.  
2. Reed, N.G. 2010. The history of ultraviolet germicidal irradiation for air disinfection. Public Health Reports January-February, 125(1):15-27.  
3. Results obtained from a laboratory test conducted by Intertek, a leading worldwide quality assurance services provider. For more information, Intertek's test report, available online: [philips.com/uv.c](http://philips.com/uv.c)



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