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Grocery Spaces

UV-C lighting

Case study:
EDEKA Clausen
Germany



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 right lighting

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 1,315.70m² 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.

EDEKA Clausen is protecting their shoppers and employees with UV-C lighting to disinfect air



Learn more

Visit www.signify.com/uv-c for more information.

Alkco wall mounted upper air disinfection



Optimized for low ceiling heights (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.



Inactivates pathogens

UV-C light has been proven to effectively deactivate tested pathogen.¹ Philips UV-C disinfection upper air luminaires inactivate up to 99.9% of virus Coliphage X174 in air within 10 minutes in a room with sufficient air circulation.²



Safety in mind

The installation height, combined with shielding and optics enables business continuity radiates UV-C in the upper areas, where it does not reach people.³



Environmentally friendly

No ozone emissions during or after use.

1. Results obtained from a laboratory test conducted by Intertek, a leading worldwide quality assurance services provider.

2. Reed, N.G. 2010. The history of ultraviolet germicidal irradiation for air disinfection. Public Health Reports January-February, 125(1):15-27

3. Alkco 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.

