

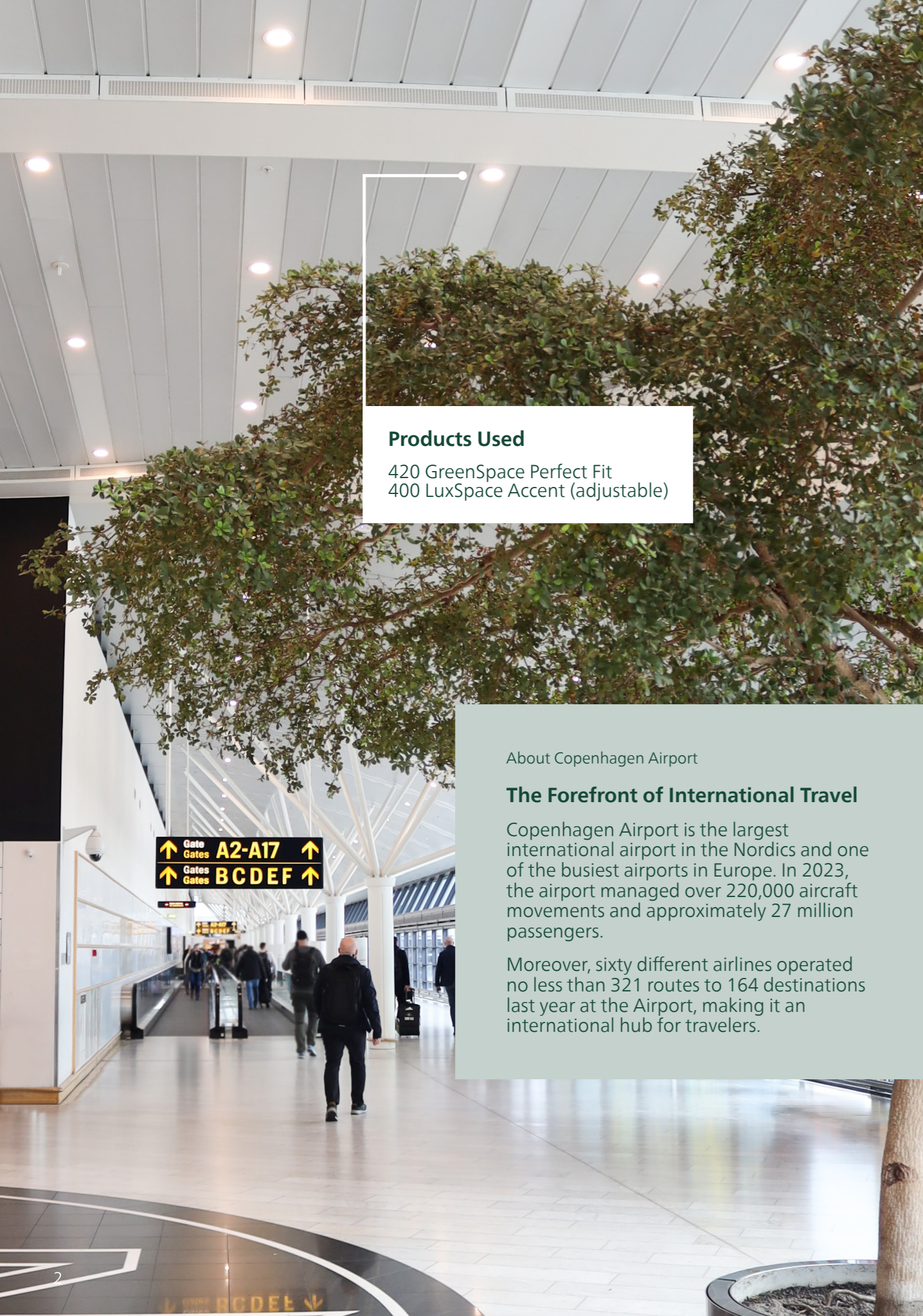


PHILIPS

MYCREATION

Copenhagen Airport

Achieving energy savings with innovative
3D-printed downlights from Signify



Products Used
 420 GreenSpace Perfect Fit
 400 LuxSpace Accent (adjustable)

About Copenhagen Airport

The Forefront of International Travel

Copenhagen Airport is the largest international airport in the Nordics and one of the busiest airports in Europe. In 2023, the airport managed over 220,000 aircraft movements and approximately 27 million passengers.

Moreover, sixty different airlines operated no less than 321 routes to 164 destinations last year at the Airport, making it an international hub for travelers.

The Challenge

Replacing downlights in areas with high traffic

Replacing multiple luminaires in a highly trafficked area without impacting your day-to-day operations can be challenging.

However, Copenhagen Airport successfully replaced all conventional downlights in its Finger A-section while maintaining a safe, seamless experience for thousands of passengers.

The solution? Unique, 3D-printed Philips MyCreation downlights from Signify.



The Solution

A Tailored Fit with Philips GreenSpace PerfectFit

Philips GreenSpace PerfectFit is a 3D-printed downlight offering both a practical and sustainable solution for functional lighting applications. The downlight can be made in any cut-out from 150mm to 280mm and thereby saves installation time, as there is no need for adapter rings to fit the ceiling.

Moreover, the downlight's housing and trim are made with at least 55% recycled or mass-balanced bio-circular material, making it a conscious choice for contributing to a circular economy.

For Copenhagen Airport, the purpose of the project was energy savings. Previously, Finger A was equipped with non-dimmable 75W and 35W downlights. The airport sought to upgrade its downlights with light controls, enabling them to dim or turn off lights in sections and zones based on activity and daylight. The conventional downlights also had an odd cut-out size of 165mm, which could have prolonged the search for 1:1 replacements had it not been for the customizable Philips GreenSpace PerfectFit downlights.





Henrik Nielsen & Martin Holmen | Kemp & Lauritzen

The Process

Seamless Installation and Maximum Efficiency

For the installation, all conventional downlights in the Finger A-section were replaced, while guaranteeing a secure and smooth passage for the many travellers finding their way at the airport. The key to the successful process was the easiness in installing the 3D-printed Philips GreenSpace PerfectFit downlights.

Similarly, Kemp & Lauritzen executed the installation with minimal interference to the ongoing airport operations. The installers' prior experience with GreenSpace PerfectFit familiarized them with the lightweight design of the products and with their systematic approach, the installation process became flexible and smooth while accommodating the airport's specific needs.

Products Used

- 420 GreenSpace Perfect Fit
- 400 LuxSpace Accent (adjustable)



The Result

A Renovation with Smart Savings and World-class Eye Comfort

Copenhagen Airport's ambiance was previously dim, with only a few lights creating a dark impression.

Now, the environment is noticeably brighter, giving the illusion of a more spacious area with a seemingly higher ceiling. This creates a more grandiose impression on passengers traveling through the Finger A-section.

Copenhagen Airport's aspiration to enhance energy efficiency and get more lighting has been realized through the implementation of an intelligent lighting system with the new lighting fixtures.

The system empowers the airport to strategically control lighting, ensuring that it is activated solely during passenger arrivals.

This marks a significant change from the previous practice of having constant light output, paving the way for substantial energy conservation by utilizing light only when it is essential. Copenhagen Airport is thrilled with the transformation in Finger A, where the desire for increased lighting has been fulfilled, brightening the area as desired.



The 3D-printed downlights are in an accessible price range compared to other highly expensive products. Normally, when you get custom-made products, it typically costs extra. However, not in this case, and I believe that is all due to the downlights being 3D-printed.

Martin Holmen | Installer at Kemp & Lauritzen





© 2025 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.