



# BETTER LIGHTING FOR BETTER LEARNING

## KSE ETTEN-LEUR, NETHERLANDS

### KEY FACTS

#### THE BEST SOLUTION AND SERVICE

The experts of LEDVANCE and BINK provided a flexible and consistently customer-focused service and support, from initial planning to project completion.

#### MAKE SCHOOL SUSTAINABLE

The new LED lighting reduced the energy consumption by more than 60 %, leading to substantial savings on the school's energy bill and carbon footprint.

#### ENHANCED LEARNING ATMOSPHERE

The bright and even lighting created an environment for better concentration and effective work for students and teachers.

#### EASY MAINTENANCE

The very long nominal life of the LED fixtures and a guarantee of up to 5 years minimize the effort and costs for servicing.

#### PANEL INDIVILED 600 33W/4000K



#### Downlight COMFORT DN205 20W/3CCT 60DEG WT



#### PANEL 600 36W/4 320lm IP54



# SUSTAINABLY LIT – LED SCHOOL LIGHTING FROM LEDVANCE

**LEDVANCE and BINK are developing an innovative LED solution for the KSE school that combines perfect lighting conditions for students and teachers with high energy efficiency and sustainability.**

## THE CHALLENGE

The old lighting of the KSE School in The Netherlands should be replaced with a modern LED lighting solution. This ambitious step should not only enhance the lighting quality and help to reduce the school's carbon footprint, but also provide significant savings on the energy bill.

## THE SOLUTION

In cooperation with BINK, LEDVANCE developed and implemented a lighting concept, based on high-quality LED luminaires specifically designed for this challenging environment. A total of 529 PANEL INDIVILED 600 33W/4000K fixtures, 378 Downlight COMFORT DN205 20W/3CCT 60DEG WT LEDVANCE fixtures and 36 PANEL 600 36W/4,320lm IP54 fixtures were installed. These luminaires were strategically placed in the school buildings with a focus on classrooms, hallways and other areas where students and teachers spend time on a daily basis. Decisive for the selection of the LEDVANCE products were the good quality and warranty of the fixtures and the impressive efficiency per watt, which was essential to maximize the energy efficiency of the project.

## THE BENEFITS

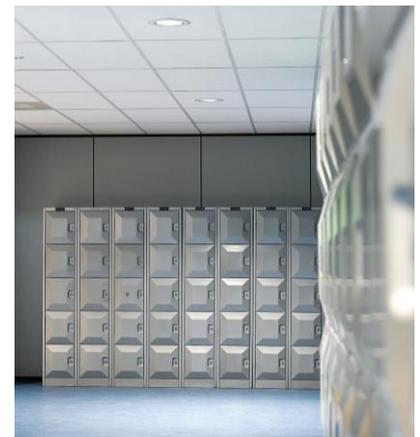
Switching the lighting to LED technology produced remarkable results in several respects: Energy consumption was significantly reduced by more than 60 %, leading to substantial savings on the school's energy bill. In addition, the very long nominal life of the LED fixtures and a guarantee of up to 5 years will reduce the future effort and costs for servicing and maintenance. The effect on the learning environment was also evident: The bright and even lighting created a pleasant atmosphere where students could concentrate better, and teachers could teach more effectively.

## SUMMARY

The lighting of the KSE school needed a complete renovation and transformation to more sustainability and efficiency. In cooperation with Installer BINK LEDVANCE developed and realized therefore an embracing and modern LED lighting solution that significantly enhanced the lighting quality and learning atmosphere and provided a noticeable reduction of the school's carbon footprint and energy costs.

„We have been working with Bink for years. When replacing our fluorescent lighting, we came to Bink again. The result is a bright school with a fresh look. Not to mention a lower energy bill.”

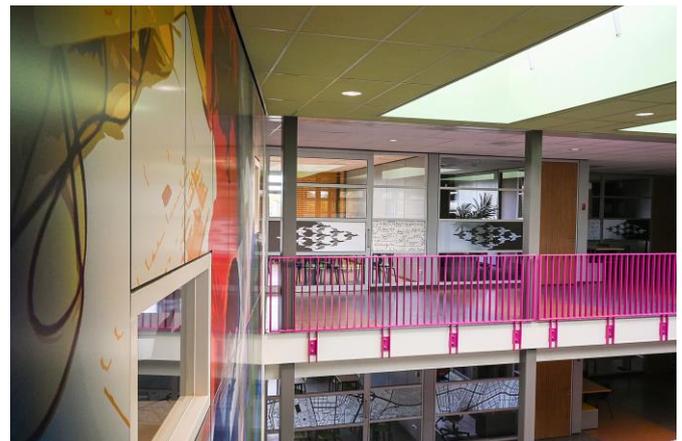
Leon Geers  
KSE School Community



3CCT Downlights were used in hallways



Panel IndiviLED fixtures with low anti-glare UGR<19 are used in classrooms



The downlights proved to be very versatile in stairways and corridors