CASE STUDY

SCHOOL LIGHTING UPGRADE

KEY FACTS

EFFICIENT LIGHTING FOR EDUCATION

Modern LED luminaires with DALI control provide uniform, low-glare light in classrooms, corridors and common areas, fully compliant with EN12464.

ENERGY SAVINGS

Over 20,000 kWh less each year.
By replacing outdated fluorescent tubes, Spjald School now saves more than 20,000 kWh annually – reducing both operating costs and CO_2 emissions.

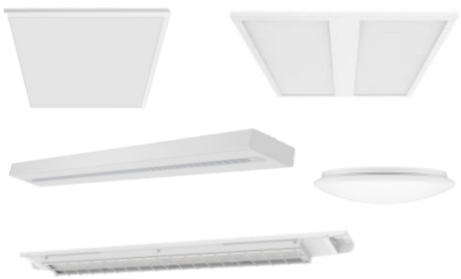
BETTER LEARNING ENVIRONMENTS

Comfortable and uniform lighting. Low-glare panels and sensors ensure optimal visual comfort for students and staff, while DALI grouping allows flexible adjustment of light levels.

RELIABLE OPERATION

Long lifetime, low maintenance.
Robust luminaires with LED technology minimize maintenance and secure reliable operation for years to come.

PANEL COMFORT UGR<19 DALI
PANEL PROTECT
LINEAR INDIVILED DIRECT 1500
SURFACE CIRCULAR 500
LOW BAY FLEX BALL PROOF



EFFICIENT, COMFORTABLE AND RELIABLE – SAVING OVER 20,000 KWH OF ENERGY ANNUALLY

Spjald School now features modern LED lighting with DALI – providing better learning conditions through uniform, low-glare light.

THE CHALLENGE

Spjald School is a public school in Ringkøbing-Skjern municipality, consisting of six buildings with a total area of just over 8,000 m². The oldest dates back to 1937, the newest to 2014. By 2024 the school faced an aging lighting system based on fluorescent tubes, both phased out and no longer meeting today's requirements for energy use and lighting quality in learning environments.
The municipality wanted to future-proof the school's lighting as part of a broader energy renovation, with requirements for DALI control, improved visual comfort and compliance with EN12464.
It was also important that the solution contributes to the municipality's climate goals while improving conditions for both students and staff.

THE SOLUTION

With LEDVANCE as supplier, a complete solution was implemented, tailored to the school's different room types:
In classrooms, panel luminaires with low glare (UGR<19) and DALI ensure uniform lighting with high visual comfort.
In the sports hall, Indiviled luminaires were installed, both architecturally fitting and providing the right light for large common areas.
In corridors and storage rooms, robust Surface Circular and Linear luminaires were used, while Panel Protect solutions were installed in changing rooms.

The installation was carried out by Jens Byskov A/S in close cooperation with the municipal property center, an experienced partner in energy improvement projects.

THE BENEFITS

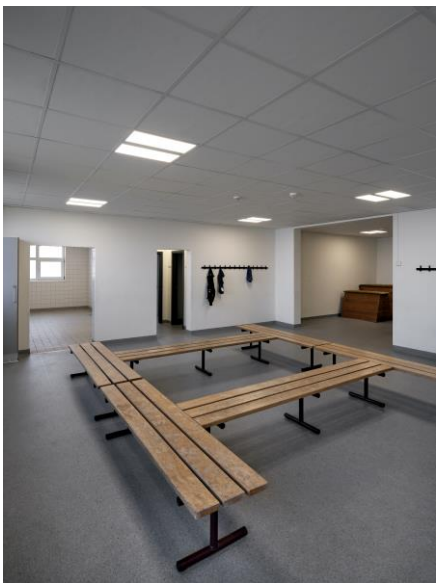
The solution combines energy savings, functionality and comfort.
The school now saves more than 20,000 kWh annually – and with the long lifetime and low maintenance of LED technology, the effect on the operating budget will also be significant.
Lighting is now more uniform, comfortable and flexible to control. DALI grouping allows easy adjustment of the light as needed – and DALI sensors were installed in the classrooms.
Everything was installed in accordance with the latest requirements for lighting in learning environments (EN12464).

SUMMARY

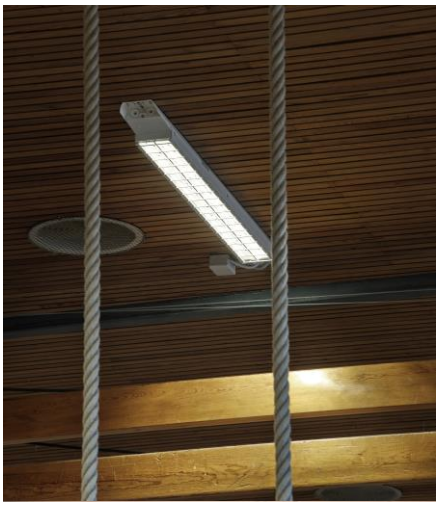
A modern, energy-efficient lighting solution that meets both visual and technical requirements in educational settings.
The installation significantly improves lighting conditions and reduces the school's annual energy consumption by more than 20,000 kWh.
The cooperation between LEDVANCE, Ringkøbing-Skjern Municipality and installer Jens Byskov A/S has resulted in a future-proof solution that benefits both the municipality and the users.

"The cooperation with LEDVANCE has been characterized by professionalism and good dialogue. The result is a future-proof lighting solution that both supports the municipality's climate goals and creates better conditions for learning."

Kevin Fraser, Department Manager, Property Center, Ringkøbing-Skjern Municipality



Panel Protect in a locker room



Low Bay Ball Proof in the gym

Panel Comfort UGR<19 ensures even and comfortable lighting in the classrooms