

**LEDVANCE**

LIGHTING FOR SCHOOLS

LIGHTING OF CLASSROOMS, CORRIDORS,
CANTEENS AND SPORTS FIELDS



Energy savings with
LED up to 75%, up
to 230,000 CZK*

LIGHTING FOR THE ENTIRE SCHOOL

We offer economical and efficient lighting not only for classrooms, but also for corridors, classrooms, teachers' rooms, canteens, gyms and other rooms. All types of luminaires meet specific standards for each room, providing high-quality lighting and an aesthetically pleasing appearance. We will be happy to design a free solution specifically for your school.



EXAMPLE OF CLASSROOM SAVINGS:

5 days a week
8 hours a day

ORIGINAL LIGHTING

12 x 130 W luminaires
(2x 58 W T8 + conventional ballast)

1560 W/week

LED ILLUMINATION

12 x 34 W luminaires

408 W/week

* savings on LED lighting for
30 classrooms per 1 year at an
energy price of CZK 4 per kWh.

Scan the QR
code for more
information:



AREAS OF APPLICATION



RECREATION
ROOMS



CABINETS



CANTEENS



CLASS-
ROOMS



CORRIDORS



GYMNASIUMS



CLASSROOMS AND TEACHERS' ROOMS

Proper lighting plays a key role in creating the right environment for learning and concentration. Good quality, well-designed lighting can make a significant difference in the comfort and productivity of students and teachers. Explore our innovative lighting solutions for classrooms, including board lighting, which meet the needs of all modern classrooms while helping to create an optimal learning environment.

ECONOMIC VARIANT

DESIGNER VARIANT

LEDVANCE® TRUSYS® LINEAR SYSTEM

- A system for illuminating boards by directing light directly onto the board
- Energy savings of up to 65%
- Version with DALI ECG available



LINEAR IndiviLED® DIRECT GEN 2

- Everloop luminaires for classroom and board lighting
- Entire classroom in one modern design
- Various mounting options: built in ceiling, pendant, light lines
- High colour rendering index Ra90
- IndiviLED optics - uniform light distribution and reduced glare ($UGR \leq 19$)
- The DALI version offers advanced services such as energy consumption monitoring and remote maintenance



LEDVANCE PANEL COMFORT

- Energy-efficient luminaires for classrooms
- Low flicker and reliable glare reduction ($UGR < 19$)
- Flush mount, recessed mount and suspended mount
- 5-year guarantee
- Available in sizes 600×600, 625×625, 1200×300 mm
- The DALI version offers advanced services such as energy consumption monitoring and remote maintenance



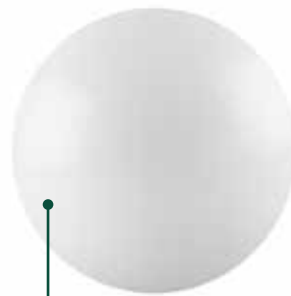
CORRIDORS, OFFICES, CANTEENS AND OTHER AREAS

Not only classrooms, but also other areas on the school premises: offices, meeting rooms, corridors and cafeterias can be economically lit with the lowest possible operating and maintenance costs, while ensuring safety and lighting quality. Discover our innovative lighting solutions that create a welcoming and stimulating environment for staff and students.



LINEAR SURFACE

- Luminaires for corridor and canteen lighting
- Low maintenance and operational costs
- High level of protection against theft and vandalism
- 5-year guarantee
- 1200mm and 1500mm lengths available



SURFACE CIRCULAR

- Luminaires for lighting corridors, staircases and canteens
- Decorative frames available
- Version with daylight sensor also available
- Energy savings of up to 55%
- Available diameters from 250 to 500 mm
- Possibility to varnish the white frame according to individual needs



OTHER ACCESSORIES

DECORATIVE FRAMES



MOTION SENSOR

- Saving up to 10% of energy



SPACES FOR SPORTS ACTIVITIES

We also offer cost-effective lighting solutions for indoor and outdoor sports facilities. From gymnasium training to field competitions, our lighting is designed to provide optimal visibility and support student performance.

GYMNASIUMS



LOW BAY FLEX BALL PROOF

- Luminaires with increased resistance (e.g., to ball impact) suitable for gymnasiums
- Energy-saving thanks to high luminous efficacy
- Modern and robust design
- Pendant and surface mounting
- 5-year guarantee



PEP
eco
PASS
PORT.

PERFOR-
MANCE
CLASS



IP 23

IK 08

LEDVANCE
5 YEARS
GUARANTEE

SPACES FOR OUTDOOR SPORTS ACTIVITIES



FLOODLIGHT PERFORMANCE

- Luminaires suitable for outdoor and indoor sports facilities
- Energy savings of up to 90% compared to halogen floodlight luminaires
- Bright, strong and durable
- Uniform light distribution and minimal glare
- 5-year guarantee

PERFOR-
MANCE
CLASS

IP 66

IK 08

LEDVANCE
5 YEARS
GUARANTEE



COMFORT PANEL

HIGH PERFORMANCE AND VERSATILITY

Rectangular or square recessed panel luminaires with extruded aluminum frame and various functions. Energy efficient due to high luminous efficacy of up to 130 lm/W. Mounting accessories of various types are available. Suitable for use with a separate emergency conversion box.



MULTILUMEN - CHOICE OF LIGHT OUTPUT

High versatility with selectable power levels.



MULTISELECT
ALWAYS THE RIGHT
PRODUCT!



DALI-2 TECHNOLOGY

Energy Monitoring and Maintenance Assistance



LOW GLARE

Low ripple light thanks to a special ECG



VIVARES

It is a lighting management system, an umbrella brand for all lighting solution options.



DALI-2 MCU
LEDVANCE LIGHT
MANAGEMENT SYSTEMS



CONTROL UNIT

- DALI-2 power supply for installation in standard flush-mounted boxes
- High-quality glass cover
- Touch panel for manual lighting control - dimming, switching and saving luminaire settings
- Up to 4 power supplies can be connected simultaneously and multiple control points can be configured
- Number of DALI luminaires per control unit: up to 25
- Length of the DALI control cable: up to 300 m



PRIMARY SCHOOL IN PRUŠÁNKY

The original building of the Prušánky Primary School has been closed for structural reasons and a comprehensive reconstruction is underway. At this time, the municipality of Prušánky has decided to lease for 2 years a container building from Koma Modular, which will fully replace the original building. LEDVANCE surface-mount PANEL INTEGRATED SURFACE 1200x300 luminaires with low glare UGR<19 and panel luminaires with asymmetrical optics from the TRUSYS series were used to completely illuminate the new building,

especially the classrooms. Thanks to this configuration, children in Prušánky now have ideal conditions for schooling according to all hygiene standards, such as at least 500 lux of illumination at the school desk. In addition, SURFACE SQUARE and LINEAR COMBO luminaires were installed here. The luminaires were installed in individual container modules throughout the service period (transport, crane).

LEDVANCE® PANEL INTEGRATED SURFACE

- High luminous efficiency reduces the total number of panels per installation
- Reliable glare reduction (UGR < 19)
- Low ripple light thanks to a special ECG
- Easy and quick installation
- High energy saving due to luminous efficacy of 120lm/W



LEDVANCE® TRUSYS FLEX P 35W WALLWASHER

- Light distribution of wallwasher luminaire for directed wall lighting
- Easy installation, no tools required for connection
- Flexible applications thanks to a wide range of options with different light streams and distribution angles





ORDERING PARTY:

Koma Modular

PROJECT:

Comprehensive primary school lighting

TYPE:

Container buildings

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® PANEL INTEGRATED SURFACE

LEDVANCE® TRUSYS FLEX P 35W WALLWASHER

LEDVANCE® SURFACE SQUARE 330 24W

LEDVANCE® LINEAR COMBO 1200 40W PS





CSE ETTEN-LEUR SCHOOL NETHERLANDS

KSE School in the Netherlands has introduced modern LED lighting in cooperation with LEDVANCE and BINK. The goal was to improve the quality of lighting, reduce the carbon footprint and achieve energy savings. Replacing the old lighting with LED solutions resulted in a more than 60% reduction in energy consumption and significant savings on energy bills. Maintenance costs were minimized thanks to the long life of the LED luminaires, which come with up to a 5-year warranty.

The new lighting improves students' concentration and has a positive impact on the classroom atmosphere. The project included the installation of 529 PANEL INDIVILED 33W/4000K luminaires, 378 COMFORT DN205 20W/3CCT 60DEG WT downlights, and 36 PANEL 600 36W/4320lm luminaires. These luminaires were selected for their energy efficiency, long lifespan, and high-quality lighting performance. The complete lighting upgrade at the school not only enhanced the learning environment but also significantly reduced both the carbon footprint and energy costs.

LEDVANCE® PANEL INDIVILED

- Uniform light emission and reduced glare thanks to IndiviLED optics
- Energy savings of up to 50 % (compared to traditional fluorescent lamps)
- Glare reduction (UGR<16)
- Low ripple light thanks to a special electronic control gear
- Efficiency up to 120 lm/W



LEDVANCE® DOWNLIGHT COMFORT

- Three light colours in one luminaire selectable by sliding switch: warm white, cool white, daylight
- Simple installation thanks to integrated driver
- Easy installation and quick connection





LOCATION:

Etten-Leur, Netherlands

CLIENT:

CSE Etten-Leur School

PROJECT:

Replacement of lighting in classrooms, corridors and other areas

TYPE:

Lighting of educational institutions

TECHNOLOGY:

LED / HCL technology (luminaires with Human Centric Lighting technology)

PRODUCTS:

LEDVANCE® Panel Individel

LEDVANCE® Downlight Comfort

LEDVANCE® Panel 600 IP54





CRAFT GUILD TRAINING ROOMS

SCHLESWIG, GERMANY

In order to significantly improve trainees' concentration and performance, and to enable optimal glare-free vision, three classrooms were equipped with state-of-the-art HCL lighting technology. The dismantling of the existing linear lighting with T8 fluorescent lamps and the installation of the new BIOLUX HCL system were carried out by the electrical trainees themselves. The solution was easily implemented as an internal project under the supervision of a master electrician.

With its intuitive control of dynamic lighting modes, LEDVANCE's BIOLUX HCL system meets all requirements for educational activities. The artificial light can be adjusted to

specific daylight modes ("Boost" for concentration, "Relax" for presentation, etc.) as needed. The customer chose BIOLUX HCL PANEL 625 luminaires as the ideal module for this project. They are intelligent, efficient and high-quality luminaires. Uniform light distribution (with glare reduction UGR 15 and high color rendering index_{Ra} ≥93) provides very high quality lighting. A total of 90 BIOLUX HCL PANEL 625 luminaires of 43 W each were installed in three classrooms.

LEDVANCE® BIOLUX HCL PANEL 625 43 W

- BIOLUX HCL luminaire in combination with BIOLUX HCL control unit creates a lighting solution according to individual requirements
- Biologically optimized lighting achieved by adapting artificial lighting based on natural daylight
- Helps you get more concentration at work
- Reliable glare reduction (UGR < 19)



LEDVANCE® BIOLUX HCL CONTROL UNIT

- Easy and fast installation of the BIOLUX HCL lighting system – comprising the BIOLUX HCL control unit and luminaires – thanks to wireless technology.
- Automatic startup and settings using the LEDVANCE BIOLUX app without programming
- Intuitive control of BIOLUX HCL luminaires and setting of light scenes using the control unit
- Easily select appropriate lighting modes for different work situations
- Helps you get more concentration at work





LOCATION:

Schleswig, Germany, 2020

CLIENT:

Association of Craftsmen of the Schleswig Region

PROJECT:

Conversion to the BIOLUX HCL system in the classrooms of the electrical industry of the Craftsmen Association of the Schleswig region

TYPE:

Educational facility, lighting of classrooms, training rooms

TECHNOLOGY:

LED / HCL technology (luminaires with Human Centric Lighting)

PRODUCTS:

LEDVANCE®
Biolux HCL Panel 625 43 W

LEDVANCE®
Biolux HCL Control unit





CANTEEN AT ENSEGID SCHOOL BORDEAUX, FRANCE

The ENSEGID school cafeteria had been struggling for years with a lack of natural daylight, which reduced the comfort of the space. Constructing a glass roof was prohibitively expensive, so they decided to install the BIOLUX HCL system from LEDVANCE.

Twenty-five BIOLUX HCL PANEL luminaires with a control unit were used, communicating wirelessly using the Zigbee 3.0 standard. This modernization eliminated the need for additional cabling or complex installation work.

The BIOLUX HCL system automatically adjusts light color and intensity to ambient conditions, following the natural circadian rhythm. Glare reduction ($UGR \leq 14$) and flicker-free lighting ensure high visual comfort, while flexible lighting modes allow for a variety of activities—from studying and concentrating to relaxation.

This investment provided the cafeteria with modern, energy-efficient lighting that not only improved the atmosphere in the room but also supported the well-being of students and teachers.

LEDVANCE® BIOLUX HCL PANEL 625 43 W

- BIOLUX HCL luminaire in combination with BIOLUX HCL control unit creates a lighting solution according to individual requirements
- Biologically optimized lighting achieved by adapting artificial lighting based on natural daylight
- Helps you get more concentration at work
- Reliable glare reduction ($UGR < 19$)



LEDVANCE® BIOLUX HCL CONTROL UNIT

- Easy and fast installation of the BIOLUX HCL lighting system (BIOLUX HCL control unit combined with BIOLUX HCL luminaire(s)) thanks to wireless technology
- Automatic startup and settings using the LEDVANCE BIOLUX app without programming
- Intuitive control of BIOLUX HCL luminaires and setting of light scenes using the control unit
- Easily select appropriate lighting modes for different work situations
- Helps you get more concentration at work



**LOCATION:**

Bordeaux, France, 2022

CLIENT:

ENSEGID School

PROJECT:

Conversion of school lighting to BIOLUX HCL system

TYPE:

Lighting of educational institutions

TECHNOLOGY:

LED / HCL technology (luminaires with Human Centric Lighting)

PRODUCTS:

LEDVANCE®

Biolux HCL Panel

LEDVANCE®

Biolux HCL Control unit



About Ledvance

With business activities in over 140 countries, LEDVANCE is one of the world's leading general lighting companies. Emerging from OSRAM's general lighting division, LEDVANCE's portfolio includes LED lamps and luminaires, intelligent lighting products, traditional lamps and renewable energy solutions.

#POWERTHROUGHLIGHT



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WE PROUDLY PRESENT OUR ADVANCING SOLAR ENERGY

As lighting enthusiasts, we were inspired by the sun on our way to a greener future. The result is LEDVANCE Renewables, an integrated solar energy solution for the building sector that covers not only energy generation but also its storage and use as well as integration into power systems. It enables private and business customers to use the power of the sun to generate their own clean energy, be less dependent on fossil energy sources and minimise their impact on the environment.



Embrace a greener future with LEDVANCE Renewables and start generating your own clean energy today. Visit pv.ledvance.com to explore tailored solutions and efficient energy management.



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