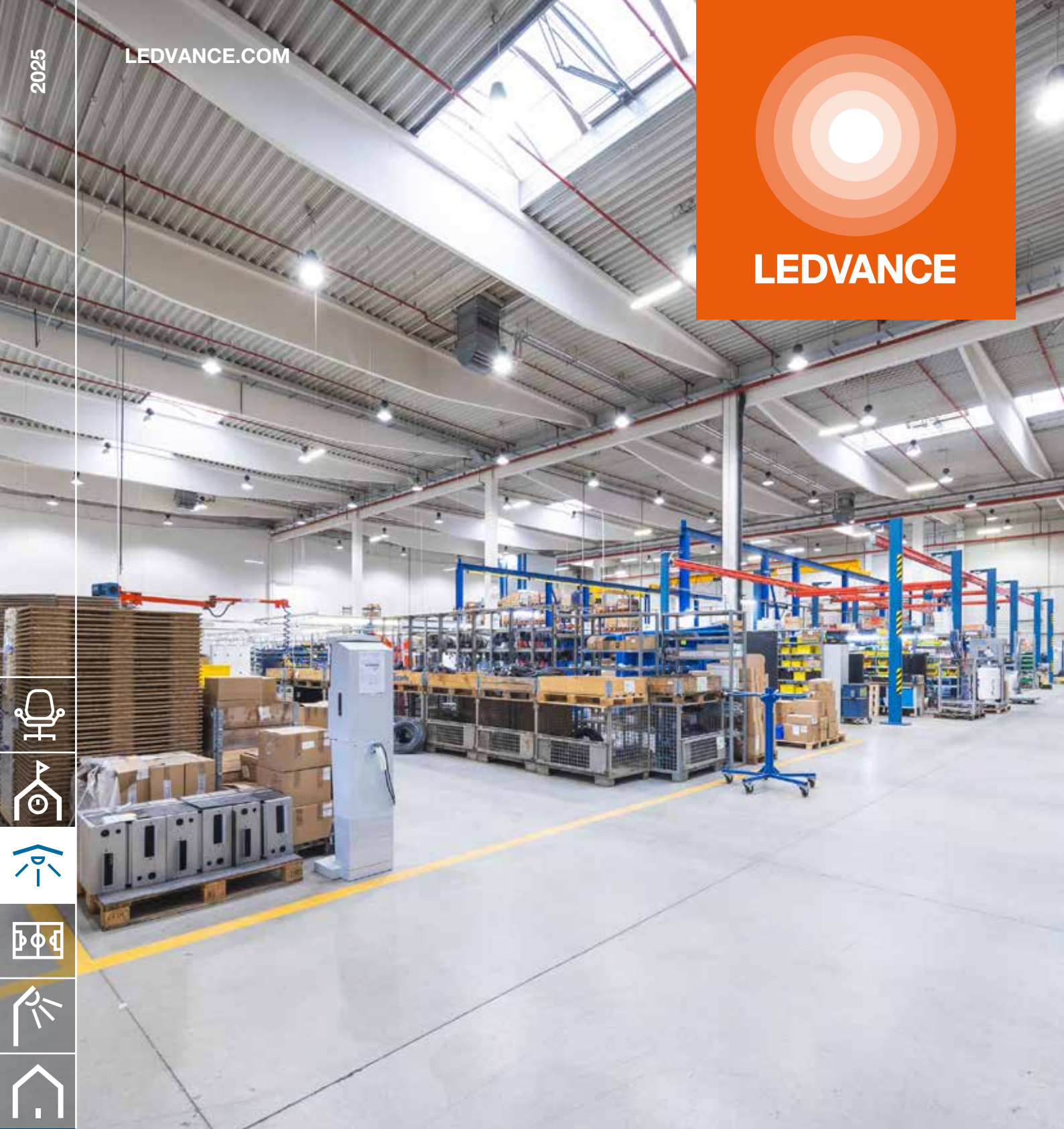




LEDVANCE



INDUSTRIAL LIGHTING

LIGHTING OF ASSEMBLY AND PRODUCTION HALLS



LIGHT MEANS RELIABILITY

INDUSTRIAL LIGHTING

Lighting in industrial facilities plays a key role in safety and efficiency. Industrial luminaires must be durable, reliable and often adapted to harsh conditions such as dust, moisture or high temperatures. Our LED luminaires provide long life, low energy consumption and minimal maintenance. Properly designed lighting improves visibility, reduces worker fatigue and contributes to workplace productivity and safety.

RECOMMENDED PRODUCTS



HIGH BAY GEN 5

- Suitable for industrial applications due to its wide temperature range and long service life
- High versatility with a choice of light outputs
- Energy savings of up to 70 % compared to conventional recessed luminaires
- Suitable for use in dusty and damp locations thanks to high IP rating
- Also available in DALI version



PEP
ECO
PASS
PORT

PERFOR-
MANCE
CLASS

DALI

IP66

IK10

LEDVANCE
5
YEARS
GUARANTEE



TruSys® FLEX

- Wide distribution angle to illuminate spaces
- Easy installation, no tools required for connection
- Energy and financial savings
- Flexible applications thanks to a wide range of options with different light streams and distribution angles



DAMP PROOF MAX

- Versatile application due to resistance to many chemicals and UV radiation
- Easy to clean, even at high temperatures with a high-pressure cleaner
- Flexible application due to wide range of distribution angles
- Low ripple $\leq 5\%$
- Energy savings of up to 68 % (compared to traditional incandescent lamps)



DAMP PROOF

- EVERLOOP - easy upgrade of light source and power supply
- Allows participation in funding programs for lamp and power supply replacement
- Easy installation, no tools required for connection
- Low ripple $\leq 5\%$
- Energy savings of up to 68 % (compared to traditional incandescent lamps)



DAMP PROOF FLEX

- EVERLOOP – easy upgrade of light source and power supply
- Allows participation in funding programs for lamp and power supply replacement
- Easy access to the terminal block with screw terminals
- Easy installation – mounting clips can be placed anywhere in the light fixture
- Tool-free electrical connection thanks to push-button connector
- Low ripple $\leq 5\%$
- Energy savings of up to 66 % (compared to traditional incandescent lamps)



FLOODLIGHT FLEX

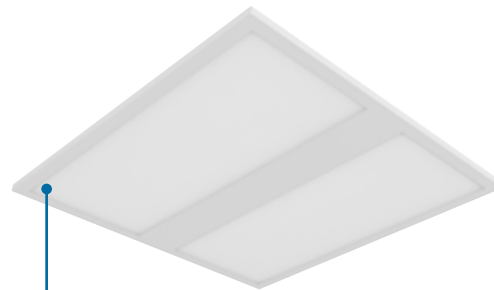
- Highly functional outdoor luminaires, lighting for sports grounds and fields
- High energy saving due to luminous efficacy of 160lm/W
- Class C5 corrosion resistance, ideal for use in coastal areas
- MULTI LUMEN function makes it easy to adjust brightness levels to meet specific needs
- The 2200 K version is ideal for illuminating the facades of exposed buildings



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





PROTECTION PANEL

- High versatility with a choice of light outputs
- Suitable for applications where a higher IP rating is required
- Reliable glare reduction ($UGR \leq 19$)
- The DALI version offers advanced services such as energy consumption monitoring and remote maintenance
- Increased heat resistance of the diffuser up to 850 °C



PEP
ECO
PASS
PORT.

PERFOR-
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CLASS



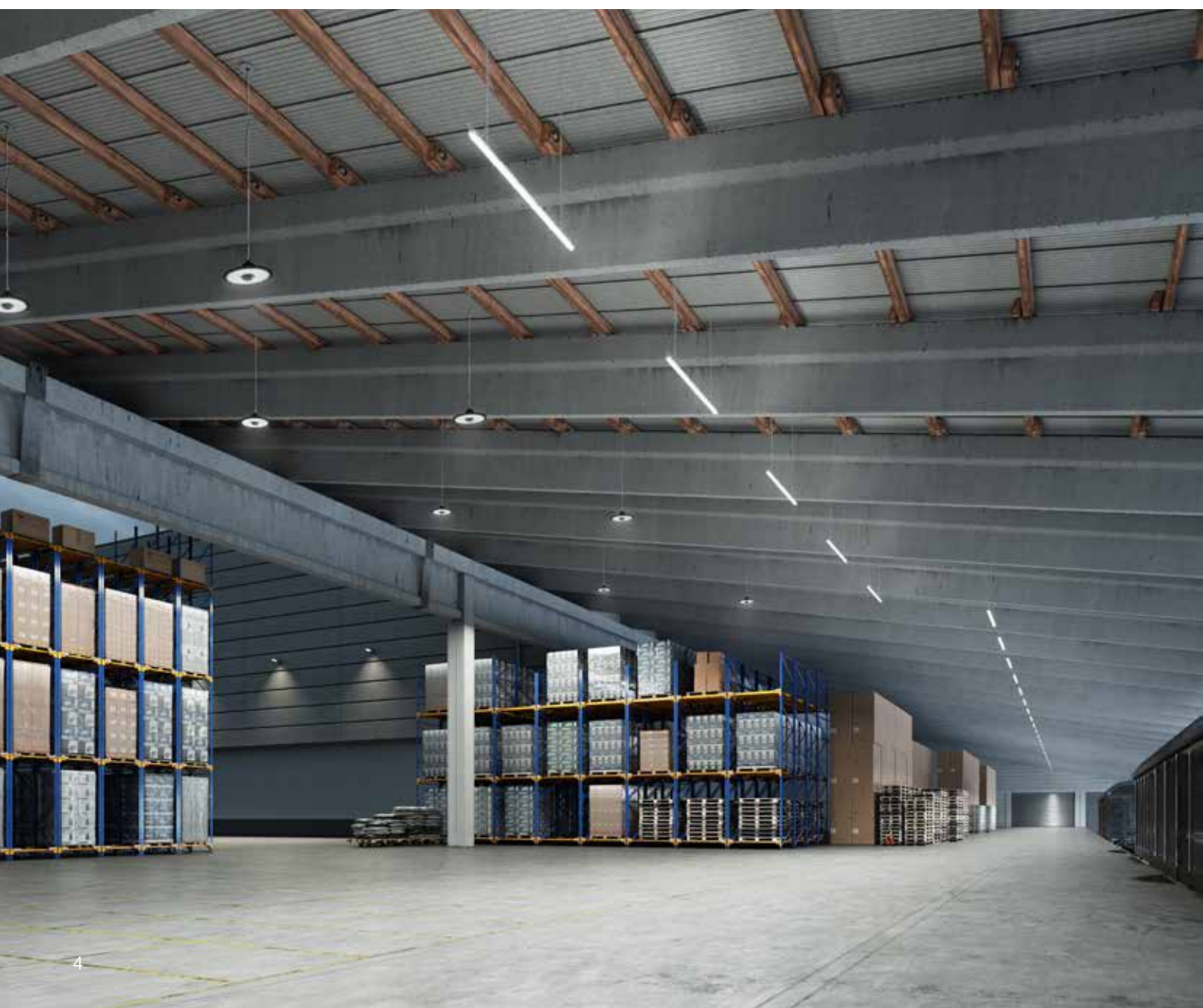
LOW BAY FLEX

- Modern and robust design
- Energy-saving thanks to high luminous efficacy
- Pendant and surface mounting
- Also available in DALI version



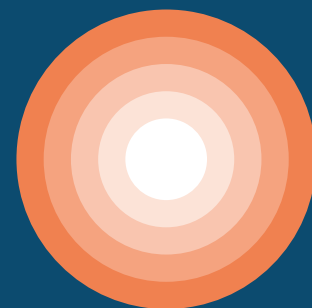
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PASS
PORT.

PERFOR-
MANCE
CLASS



THE END CROWNS THE WORK

We support all projects at every stage. From initial design to customized solutions to project completion. LEDVANCE PROJECT SERVICES transforms your ideas into unique solutions.



LEDVANCE

PROJECT SERVICES



CUSTOMIZED SOLUTIONS

Do you have a project where you need to create unique lighting, but none of the fixtures in our range are suitable? No problem. We can transform standard lighting fixtures into unique solutions tailored to the specific needs of your project.



PERFORMANCE AND TECHNICAL MASTERY

Our engineering experience and responsiveness allow us to effectively deliver solutions tailored to the complexity of each project.



COMPREHENSIVE QUALITY ASSURANCE

We ensure the highest quality through rigorous testing, certified technology and a 5-year warranty, backed by a network of European partners.

TESTING

Our products are tested in our in-house R&D center to ensure quality to the highest standards.



IP test in a water chamber



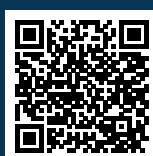
Electromagnetic compatibility / EMC testing



LED life testing



MOLSHEIM INNOVATION CENTER



What does the place where the latest lighting technologies are created look like? Take a behind-the-scenes look at LEDVANCE's Innovation Center in France - where automation, 3D printing and state-of-the-art labs come together to create customized products for all our customers.



AREAS OF APPLICATION

WAREHOUSES

ASSEMBLY
HALLS

PRODUCTION
HALL

PARKING
LOTS AND
GARAGES

LOADING
AREAS

CORRIDORS
AND
STAIRWAYS

RECEPTION
AREAS AND
OFFICES

STREETS
AND
SIDEWALKS



HIGH BAY GEN 5

FLEXIBLE AND HIGHLY EFFECTIVE

The new HIGH BAY GEN 5 luminaire is a much improved version of the previous generation. It now offers revolutionary performance and is equipped with a number of innovative features. This makes it an even more reliable and installation-friendly choice for industrial applications that require bright and energy-efficient lighting.



High Bay GEN 5 luminaires are PEP ECOPASSPORT certified for sustainable production and low environmental impact throughout their life cycle.

DALI-2

DALI-2 TECHNOLOGY

Energy monitoring and remote maintenance. They are compatible with central battery power and ready for emergency lighting.



HIGH-EFFICIENCY LEDs

efficiency floodlight up to 181 lm/W



INSTALLATION

Can be installed at heights of up to 18 m thanks to a luminous flux of up to 30,000 lm. The hook is included in the kit.



MULTILUMEN - CHOICE OF LIGHT OUTPUT

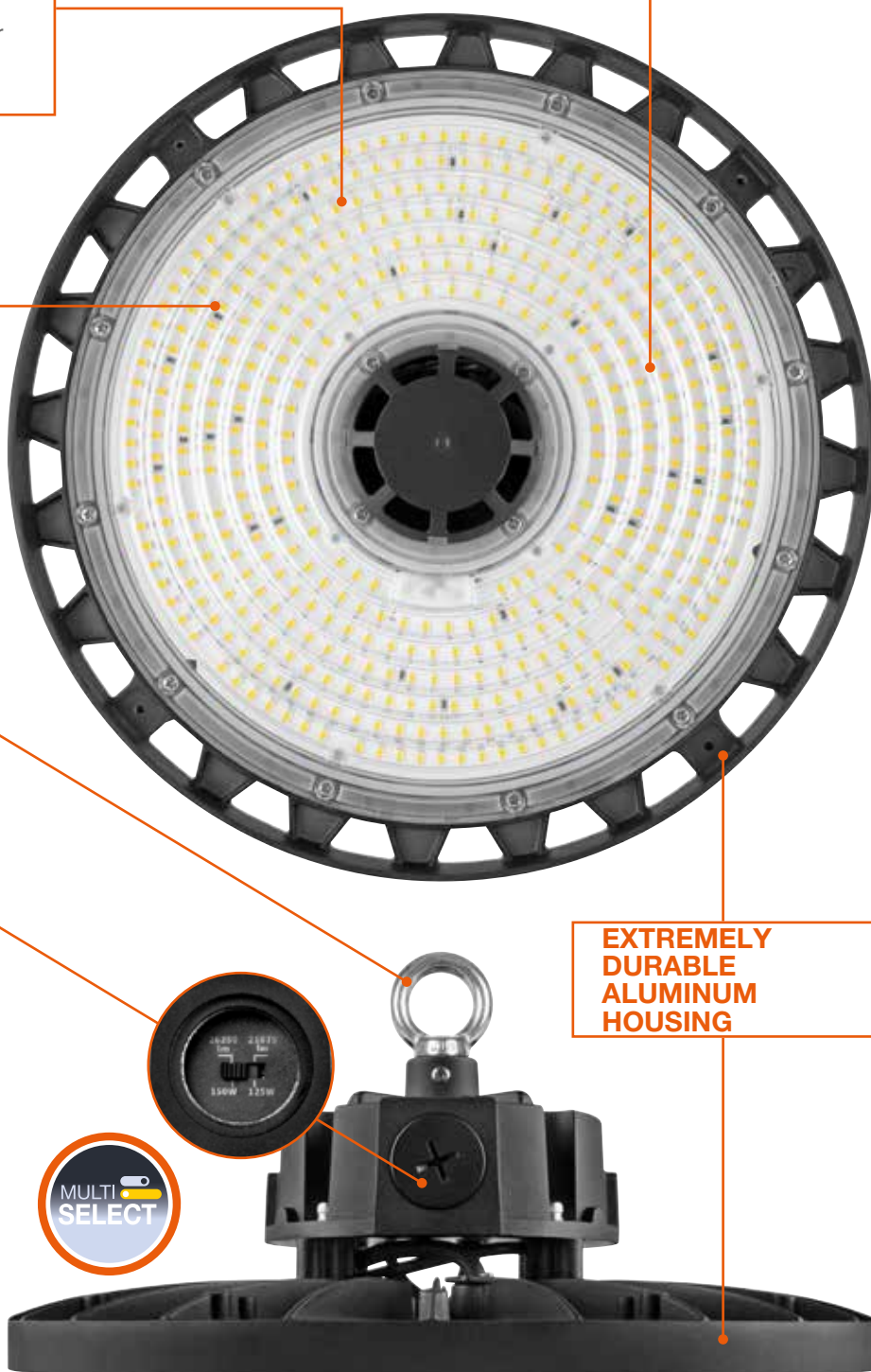
MULTILUMEN switch for lumen selection with screw-on cover for IP66 protection



MULTISELECT
ALWAYS THE RIGHT
PRODUCT!



EXTREMELY DURABLE ALUMINUM HOUSING





PRODUCTION AND ASSEMBLY HALL WASHTEC NÝŘANY

WashTec Nýřany is a large company specializing in innovative vehicle washing solutions, offering a wide range of products, including automatic car washes, self-service car washes and high-pressure washing equipment. The company is known for its commitment to quality, efficiency and sustainability. Their state-of-the-art car wash systems are designed to provide excellent cleaning results while minimizing water and energy consumption. So it's only natural that their production facilities should also be aligned with quality, economy and efficiency. In

the assembly hall, it was necessary to replace the original 250-watt discharge lamps in the aluminum reflector fixtures with more efficient and economical ones, simply by replacing them piece by piece in the existing fixtures. Accordingly, 140 new LED replacements were installed for the original lamps with a corresponding luminous flux of 14,000 lm.



LEDVANCE® HID LED HIGHBAY UNIVERSAL P

- Direct replacement for traditional HID lamps thanks to CCG and ignitor and compatibility
- Energy savings of up to 78% when replacing mercury light sources (HQL)
- Low maintenance costs thanks to long lifetime
- Immediately 100% light, no warming up
- Efficient heat dissipation over a wide operating temperature range





ORDERING PARTY:

Washtec Nýřany Operations Department

PROJECT:

Production and warehouse halls

TYPE:

Industry

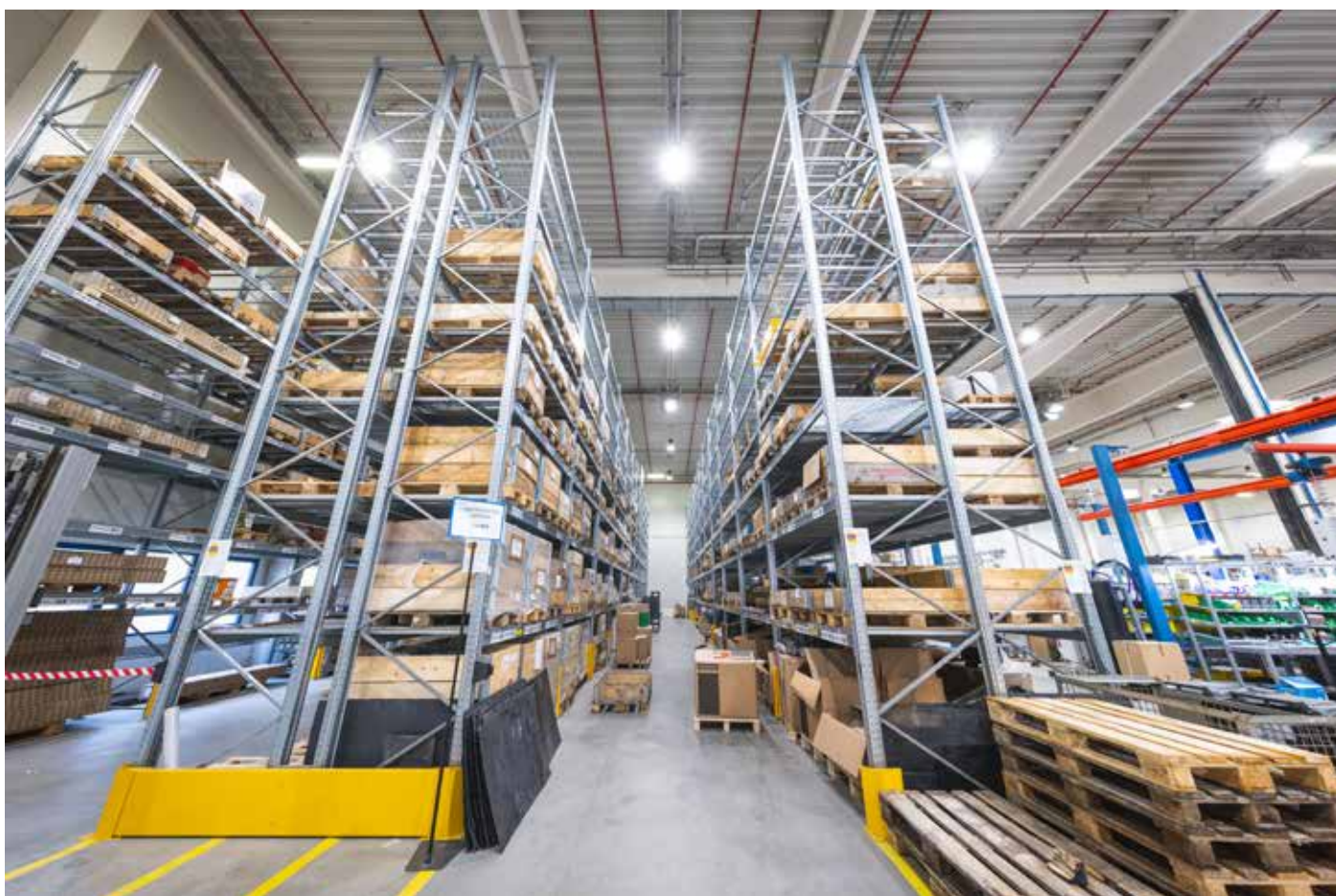
TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® HID LED

HIGHBAY UNIVERSAL P





PRODUCTION AND WAREHOUSE HALL META SKLADOVACÍ TECHNIKA

META Storage Systems manufactures many different types and kinds of shelving systems. It has its roots in Germany, and the Czech branch has been operating in České Budějovice since the 1990s. However, it wasn't until 2015 that the company opened its own state-of-the-art facility, including a production plant, warehouse space and administrative facilities on a total area of more than 6,000 m². META Storage Systems has now decided to make a partial upgrade in the lighting of the warehouse and production hall. The goal was to reduce lighting operating costs, as well as minimize service interventions and the frequency of light source replacement. Accordingly,

LEDVANCE proposed replacing more than 120 fixtures with metal halide lamps with 95 W and 165 W LEDVANCE® High Bay Gen 2 luminaires, depending on the required light output at the site. These environmentally friendly luminaires offer more than 60% savings compared to conventional light sources, have a lifespan of more than 50,000 hours, come with an extended 5-year warranty, and are dust and splash resistant.



LEDVANCE® HIGH BAY

- Full-fledged LED replacement for high bay fixtures containing mercury or halogen lamps
- Energy savings of up to 60 % compared to conventional recessed luminaires
- High efficacy: up to 110 lm/W
- Several variants with different distribution angles
- Integrated LED controller
- Compact design, optimized weight and dimensions





ORDERING PARTY:
META skladovací technika, s.r.o.

PROJECT:
Production and warehouse halls

TYPE:
Production and warehouse halls

TECHNOLOGY:
LED

PRODUCTS:
LEDVANCE® High Bay Gen 2





WAREHOUSE INTER CARS NUPAKY

Inter Cars Czech Republic - one of the largest suppliers of automotive accessories and spare parts on the Czech market - was preparing the construction of a new warehouse in Nupaky. The Damp Proof Compact 55 W product was chosen as the optimal solution for lighting the store's shelving area due to its suitable distribution characteristics, providing more even illumination of goods on the shelves, as well as the possibility of continuous installation, which significantly reduced the

cost of electrical work, which was one of the main criteria for choosing the LEDVANCE product, along with the luminaire's affordable price. In addition, the investor achieved savings thanks to the DN 120 MT emergency downlight luminaire, which offered a more efficient solution than using emergency modules directly in the luminaires.



LEDVANCE® DAMP PROOF COMPACT

- Uniform illumination
- Energy savings of up to 50 % (compared to fluorescent lamps)
- Easy installation thanks to the possibility of any location of the mounting elements on the luminaire
- Easy access to electrical terminal thanks to end caps with twist and lock mechanism
- Tool-free electrical connection thanks to push-button connector





ORDERING PARTY:

Inter Cars Česká republika s.r.o.

PROJECT:

Inter Cars Nupaky warehouse

TYPE:

Composition

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® Damp Proof Compact

LEDVANCE® Emergency Downlight



LEDVANCE® EMERGENCY DOWNLIGHT

- A specific product series covers different types of emergency lighting applications
- High luminous flux and optimized illumination
- High test temperature (850°C) according to the glow wire test based on IEC 60695-2-12 standard
- High IK value (IK07) according to impact test based on IEC 62262-2002





PRODUCTION HALLS

KORADO ČESKÁ TŘEBOVÁ

KORADO, the world's leading manufacturer of steel heating elements, offers complete system solutions for heating, including local ventilation and heat recovery units, and strives to meet the requirements of even the most demanding customers. Among other things, it emphasizes brand awareness and representativeness of its product range, administrative facilities and production itself. The bright yet economically lit facades of the company's headquarters symbolize the strength of the brand and its emphasis on modern, energy-efficient features and systems and energy cost

savings. At the same time, they enhance daily security at the site. Accordingly, a total of 38 energy-efficient LEDVANCE® Floodlight luminaires with a high IP65 rating and a luminous flux of 10,000 lm at a power consumption of 90 W were installed. The symmetrical light distribution of 100°x100°, together with high energy savings (up to 90% compared to conventional luminaires) and an exceptionally long average service life (50,000 hours), guarantee the long-term satisfaction of the investor and his stakeholders.



LEDVANCE® FLOODLIGHT

- Replacement for floodlights with halogen lamps
- Symmetrical light distribution: 100°x100°
- Frosted cover made of tempered glass for uniform illumination
- High efficacy: up to 110 lm/W
- Easy settings for area, daylight and motion detection
- Energy savings of up to 90% compared to halogen floodlight luminaires
- Mounting bracket for tilting up to 180°





ORDERING PARTY:

KORADO, a.s.

PROJECT:

KORADO Production Plant

TYPE:

Production hall

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® Floodlight





SITE LIGHTING LINDE-GAS

Linde GAS is part of Linde plc, a global leader in industrial gases with operations in more than 100 countries. In the Czech Republic, it is the largest producer and supplier of technical, medical and specialty gases. It offers customers innovative solutions, technologies and services tailored to their needs. It has the widest sales network of industrial gases and accessories in the Czech Republic.

In an effort to modernize and reduce energy consumption costs, Linde has decided to replace the lighting at its Prague plant. Sodium discharge lamps in combination with halogen floodlights were installed throughout the facility. Based on new lighting calculations and design, ECO CLASS AREA SPD luminaires of 60 W, 90 W and 150 W and FLOODLIGHT PERFORMANCE luminaires of 65 W, 150 W and 165 W were installed. The new LED luminaires were installed on existing light poles, so no construction work was required, and the complete replacement took place within one working week.



LEDVANCE® FLOODLIGHT PERFORMANCE

- Replacement for halogen and sodium lamps
- Reduce energy consumption, save electricity
- Easy installation on existing installations
- Improving lighting comfort
- Increased traffic safety





ORDERING PARTY:

Linde Gas a.s.

PROJECT:

Lighting of the logistics and production area

TYPE:

Outdoor lighting

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® ECO Area

LEDVANCE® Floodlight



LEDVANCE® ECO AREA





FOOD CHAIN WAREHOUSE DELIA, SLOVAKIA

The relatively young Slovak grocery chain Delia focuses on selling fresh and high-quality food and currently operates 31 stores and four cafes in and around Bratislava. Due to the aesthetics and design of the stores with a pleasant, family atmosphere, it was necessary to build an appropriately sized central warehouse, which also needed to be properly lit. That's why we recommended LEDVANCE® Linear luminaires to the investor, with a total of 324 units and a cold white light color with a color temperature of 4000 K. An excellent 5-year

warranty confirms the fact that the service life of these LED luminaires exceeds 50,000 hours. In addition, they provide up to 60% energy savings compared to conventional fluorescent luminaires. Two "High Bay" luminaires and 35 LEDVANCE® Damp Proof luminaires with increased IP66 (dust and splash proof) protection were installed in the more demanding areas of the warehouse hall.



LEDVANCE® LINEAR ULTRA OUTPUT

- Energy savings of up to 80% compared to fluorescent lamps
- Robust construction with IK 08
- Optional headlight accessories and a range of electrical wiring options for different applications
- 5-year guarantee

LEDVANCE® DAMP PROOF COMPACT

- Durable luminaires with IP66 protection rating
- Uniform illumination
- Energy savings of up to 50% compared to fluorescent lamps
- Easy and fast installation thanks to the possibility of any location of the mounting elements on the fixture, "twist % lock" terminals and push-button switch





ORDERING PARTY:

Delia potraviny, s.r.o.

PROJECT:

Delia food warehouse, Malacky

TYPE:

Storage hall

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® Linear Ultra Output
LEDVANCE® Damp Proof Compact
LEDVANCE® High Bay
LEDVANCE® Panel





PRODUCTION HALL

FUJIFILM, HÖCHSTADT, GERMANY

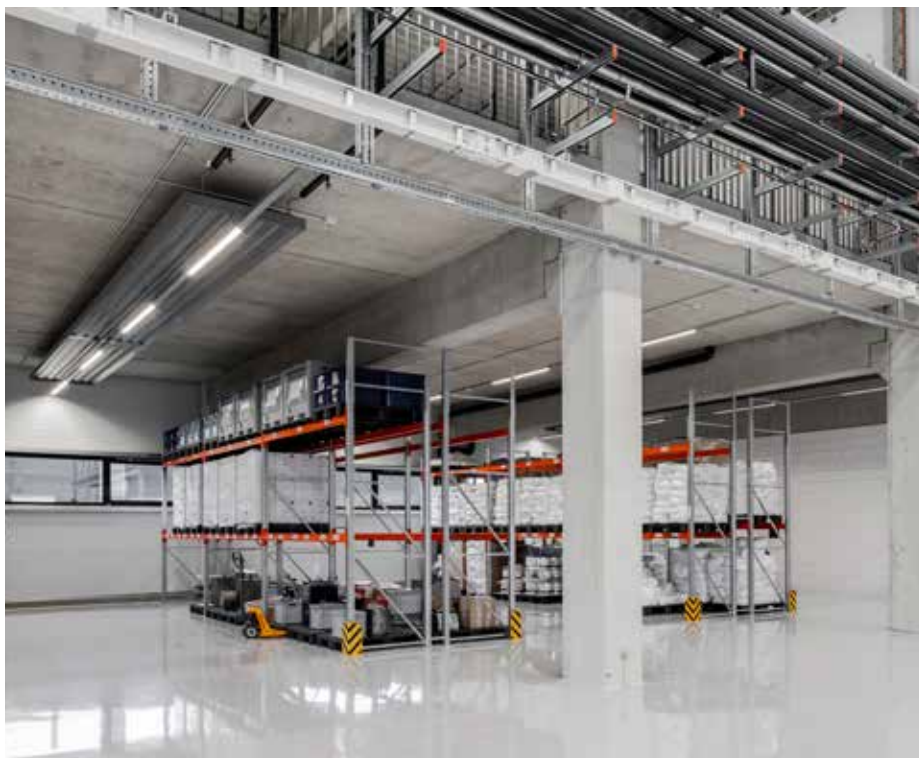
FUJIFILM medwork GmbH was looking for an intelligent lighting solution for a new medical device production hall in Höchststadt on the Aisch River. The solution consisted of seamlessly integrating high-quality industrial LED light sources into the existing KNX system to blend visually harmoniously into the modern architecture of the hall, as well as being impressive in terms of cost.

FUJIFILM medwork GmbH in Höchststadt manufactures medical equipment. LEDVANCE equipped the new production hall with a lighting system consisting of TRUSYS DALI luminaires, which was fully integrated with the KNX building control system and which exceeded all customer expectations in terms of installation time, design, robustness, flexibility of use, maintenance requirements and energy savings.

LEDVANCE® TRUSYS DALI

- Linear lighting system as a direct replacement for luminaires with compact fluorescent lamps.
- High-quality design, housing made of anodized aluminum
- Innovative optical design with rod lens technology along the entire length of the frame
- Quick and easy installation with plug-and-play snap-in system
- Version with DALI ECG available
- Energy savings of up to 65 % compared to 2x80W T5 luminaires
- Efficiency: up to 135 lm/W





ORDERING PARTY:

FUJIFILM medwork GmbH

PROJECT:

New production hall for medical instruments for therapeutic endoscopy

TYPE:

Industry, production hall

TECHNOLOGY:

DALI LED system

PRODUCTS:

LEDVANCE® TruSys Dali





PRODUCTION FACILITY KLINKERS, MAASTRICHT, THE NETHERLANDS

LEDVANCE, in cooperation with installation company Vormtech, has upgraded the lighting at the Klinkers machinery plant in Maastricht, the Netherlands, using a TRUSYS FLEX trunking system with DALI-2 technology. The project included a complete delivery – from planning to installation – and represented a significant improvement in energy efficiency, maintenance and working environment.

The original outdated lighting was not suitable for working conditions with low ceilings and tall machinery. The new system provided more than 60% energy savings and reduced electricity costs by up to 90%. The plant's carbon footprint was also significantly reduced.

More than 110 linear meters of DALI-2-controlled luminaires have been installed to allow easy management of the system. Durable LED luminaires with a five-year warranty minimize maintenance costs.

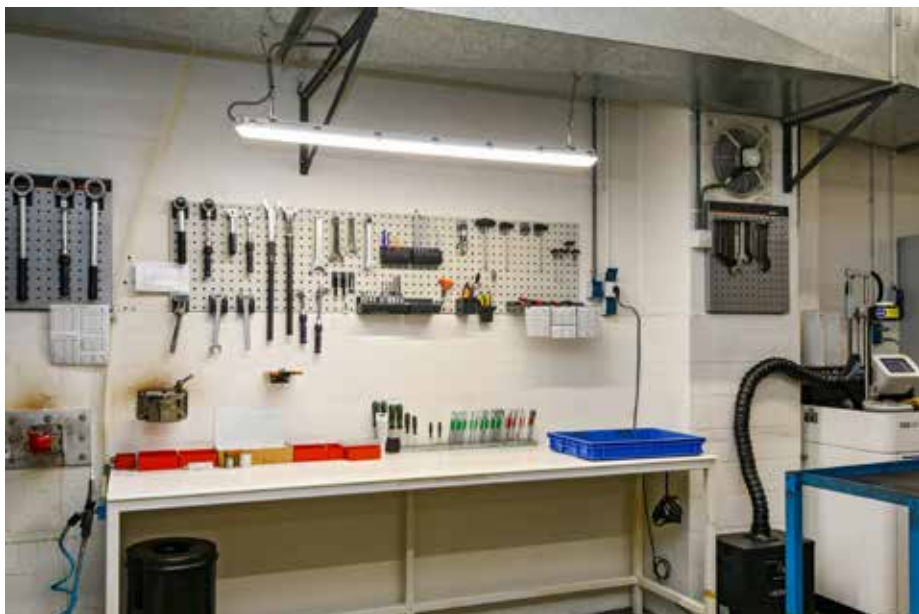
The upgrade has made the plant one of the most technologically advanced facilities with an emphasis on efficiency, comfort and sustainability. The project confirmed that proper lighting can make a significant contribution to improving working conditions and operational efficiency.



LEDVANCE® TruSys® FLEX

- Wide light distribution to illuminate spaces
- Easy installation, no tools required for connection
- Energy and financial savings
- Flexible applications thanks to a wide range of options with different light streams and distribution angles





ORDERING PARTY:

Klinkers Factory

PROJECT:

Upgrade lighting system to LED solution with integrated DALI-2 lighting control system

TYPE:

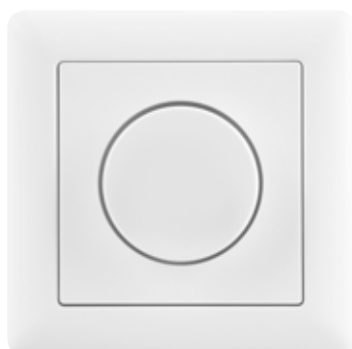
Industrial lighting

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® TRUSYS FLEX, LEDVANCE® MCU SELECT DALI-2 a LEDVANCE® Damp Proof



LEDVANCE® MCU SELECT DALI-2

- Control unit for luminaire
- Simple, intuitive operation
- Manually dim, switch, and save luminaire settings
- Individual adjustment of luminous flux and color temperature





DATA CENTER

ZIGGO, NETHERLANDS

LEDVANCE and IBBR implemented a comprehensive data center lighting upgrade using the TruSys® Flex intelligent system. The goal was to increase the quality of lighting, reduce the carbon footprint and achieve high energy savings.

A 600-square-meter TruSys® Flex system with DALI-2 technology, louvers, occupancy sensors and specially designed ballasts was installed. Control is provided by two DALI-2 Pro LoT controllers, which support the efficient operation of decentralized luminaires, including emergency lighting.

This smart system has reduced energy consumption by more

than 80%, resulting in significant cost savings and a lower environmental impact. Thanks to sensors, the lights are only turned on when people are around, increasing both safety and comfort.

TruSys® Flex provides a long life of up to 100,000 hours (L70) and a five-year warranty, minimizing the need for maintenance. In this way, the project has delivered a sustainable and efficient lighting system that improves working conditions and reduces operating costs.



LEDVANCE® TruSys® FLEX

- Wide light distribution to illuminate spaces
- Easy installation, no tools required for connection
- Energy and financial savings
- Flexible applications thanks to a wide range of options with different light streams and distribution angles





ORDERING PARTY:

Ziggo

PROJECT:

Services and support for intelligent lighting design with LEDVANCE

TYPE:

Industrial lighting

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® TruSys FLEX,
LEDVANCE® DALI-2 LS/PD CI



LEDVANCE® DALI-2 LS/PD CI

- Sensor suitable for indoor use
- Individual office space
- Open space offices





FOOD PRODUCTION FACILITIES

CENTRO CARNI COMPANY, TOMBOLO, ITALY

The production facility of Italian company Centro Carni had to meet high requirements in terms of hygiene, safety and energy efficiency. LEDVANCE supplied 250 dust-proof LED DAMP PROOF SPECIAL luminaires, which offer an optimal combination of performance, reliability and economy. LED luminaires with a luminous flux of 6500 lm, an efficiency of 130 lm/W and a distribution angle of 120° provide even, safe and glare-free illumination. The durable PMMA housing with IP67 protection and corrosion resistance ensures long life even in the harsh conditions of the meat industry.

With HACCP, IFS Food and BRC requirements, the luminaires are suitable for use in the food industry. Durability of up to 80,000 hours and energy savings of up to 55% compared to traditional fluorescent lamps significantly reduce operating costs.

LEDVANCE provided a complete solution - from consultation to implementation. The result is efficient, environmentally friendly and safe lighting that contributes to better working conditions for employees.

LEDVANCE® DAMP PROOF SPECIAL

- Easy installation - mounting clips can be freely placed on the luminaire, and wiring requires no tools
- Uniform light distribution
- Energy savings of up to 55 % (compared to fluorescent lamps)
- 1200mm and 1500mm lengths available





ORDERING PARTY:

Centro Carni Company, beef processing and marketing facilities

PROJECT:

Equipping the production facility of Italian company Centro Carni with innovative LED lighting that offers a reliable combination of energy efficiency and employee comfort, and ensures compliance with hygiene and food safety requirements.

TYPE:

Industrial lighting

TECHNOLOGY:

LED

PRODUCTS:

LEDVANCE® DAMP PROOF SPECIAL



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

LEDVANCE

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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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LEDVANCE.COM