Industry Lighting

LUXIONA

EN

Index

LUXIONA

Our values

European design, customised solutions and competitive edge

Created in Barcelona, Spain, and developed in Poland, our products combine European design with high quality and efficiency. At the very centre of our work is our passion for lighting and functional design. The superior performance aligned with aesthetics and simplicity of installation and maintenance makes it a perfect solution for any space. Thanks to a variety of customisable options, it is possible to adjust our products to the needs of a specific project, including all kinds of spaces in retail facilities and offices, as well as architectural, public, outdoor, medical, and industrial spaces.

Design

Designed in Barcelona

From the moment we started our company in Barcelona in 1929, the value of design has been part of LUXIONA's soul. Since the invention of the first electrified track system inspired by the trolleybuses on the streets of Barcelona, the source of inspiration for our products is based on this city that exudes design, art, and the avant-garde. We have an international presence with offices in Spain, France, Italy, Germany, and Poland, but it is here in Barcelona where the research and product development team is located to keep the initial spirit alive in each of our luminaires, always at the cutting edge of sustainable technologies. The result is lighting solutions that offer a comfortable visual experience, which enhances your well-being while respecting the environment.

Competitive manufacturing

By combining design in Barcelona with production in Poland, LUXIONA provides customers with competitive, flexible, and timely solutions.
With a certified manufacturing facility for clean-room and medical lighting and a logistics center located in Europe, we can be independent and offer fast turnaround times, as well as better communication and advice. Our infrastructure and technical equipment are constantly updated to offer continuous improvement of production.

With our on-site certified clean room, we are one of the few manufacturers in Europe to fully control the production process, while maintaining the necessary standards to certify our luminaires for installations requiring a high degree of air cleanliness, including the ISO 14644-1 certification for clean rooms. As a result, our product range has applications in: architectural, office, industrial, sports, retail, clean rooms, medical and hospital facilities, as well as the pharmaceutical, chemical, food, and electronics industries.

Certificate
ISO 14001:2015


CERTIFICATE

GCS Quality Sp. z o.o. hereby confirms that:

LUXIONA Poland S.A.
Jacentów 167 ♦ 27-580 Sadowie

Has implemented and uses the Management System in accordance with the standard mentioded below:

EN ISO 14001:2015

in the scope of:

Design and production of lighting fittings.

for the location of:

LUXIONA Poland S.A.
Jacentów 167 ♦ 27-580 Sadowie

Certificate No.: 19/10491/23/2/P/A
Certificate valid from 02-05-2023 to 01-05-2026
Realese date: 02-05-2023

Artur Zalewski
President of GCS Quality Sp. z o.o.

This certification was conducted and is subject to regular surveillance in accordance with the GCS Quality procedure.

GCS Quality Sp. z o.o. ul. Międzyleska 4, 50-514 Wrocław, tel. 71 716 55 20, www.gcsquality.pl

Certificate
ISO 9001:2015


CERTIFICATE

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Jacentów 167 ♦ 27-580 Sadowie

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Certificate
HACCP


CERTIFICATE

GCS Quality Sp. z o.o. hereby confirms that:

LUXIONA Poland S.A.
Jacentów 167 ♦ 27-580 Sadowie

Has implemented and uses the Management System in accordance with the standard mentioded below:

HACCP

in the scope of:

Production of lighting fittings, including fittings for use in the food industry.

for the location of:

LUXIONA Poland S.A.
Jacentów 167 ♦ 27-580 Sadowie

Certificate No.: 19/10491/23/3
Certificate valid from 16-05-2023 to 15-05-2026
Realese date: 16-05-2023

Artur Zalewski
President of GCS Quality Sp. z o.o.

This certification was conducted and is subject to regular surveillance in accordance with the GCS Quality procedure.

GCS Quality Sp. z o.o. ul. Międzyleska 4, 50-514 Wrocław, tel. 71 716 55 20, www.gcsquality.pl

Certificate
ISO 13485:2016


CERTYFIKAT NR.
CERTIFICATE N. 9124.LUXP

ZAŚWIADCZA SIĘ, ŻE SYSTEM ZARZĄDZANIA JAKOŚCIĄ WDROŻONY PRZEZ
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

LUXIONA POLAND S.A.

Jacentów 167, 27 – 580 SADOWIE – POLSKA

JEDNOSTKI OPERACYJNE / *OPERATIVE UNITS*

Jacentów 167, 27 – 580 SADOWIE – POLSKA

JEST ZGODNY Z NORMĄ / *IS IN COMPLIANCE WITH THE STANDARD*

ISO 13485:2016

W NASTĘPUJĄCYM ZAKRESIE / *FOR THE FOLLOWING ACTIVITIES*

Projektowanie i wytwarzanie opraw oświetleniowych do zastosowań medycznych
Designing and producing luminaries for medical purposes

Dalsze wyjaśnienia dotyczące zastosowania wymagań ISO 13485:2016 mogą być uzyskane poprzez konsultacje z organizacją
Further clarifications regarding the applicability of ISO 13485:2016 requirements may be obtained by consulting the organization

NINIEJSZY CERTYFIKAT POWINIEN BYĆ WYKORZYSTYWANY ZGODNIE Z ZASADAMI WYMIENIONYMI W REGULAMINIE CERTYFIKACJI SYSTEMÓW ZARZĄDZANIA
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS

DATA:	PIERWSZA CERTYFIKACJA *FIRST CERTIFICATION*	BIEŻĄCE WYDANIE *CURRENT ISSUE*	WAŻNOŚĆ *EXPIRY*
	2014-04-03	2023-03-27	2026-04-02

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flavio Ornago
Only the English text is authentic

SGQ Nº 005 A

LUXIONA Main Factory, Jacentow. Poland

Sustainable solutions

Sustainability is at the very core of responsible business. By working together, we strive to develop projects that have a positive impact on the environment and promote sustainable lighting, which is so important for modern industrial facilities where efficiency and energy-saving are some of the most crucial factors. We are able to achieve this by using intelligent switch control systems and by providing users with efficient and sustainable solutions.

One of them is LED sources used in LUXIONA luminaires with a long lifespan of 100,000 h and the LxBy parameter at the L80B10 level. This means that after 100,000 hours of use, the LED sources will retain 80% of their initial luminous flux, and only 10% of the LEDs will have less than 80% of their initial luminous flux. In other words, we can enjoy their quality longer.

Innovative technology

Innovations and functionality have always been and will remain important factors in the development of new lighting solutions, services, and the application of new technologies. With our know-how backed by more than a century of experience and the combination of design and engineering we stay one step ahead. Together with our R+D+i department, which is in constant search for new lighting solutions, we are able to use the latest generation of materials and production processes. Our experience allows us to pioneer the lighting of the future and expand our innovative product portfolio.

SUSTAINABLE DEVELOPMENT GOALS

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Certification programmes for green buildings

U.S. GREEN BUILDING COUNCIL LEED CERTIFIED USGBC

CODE FOR A SUSTAINABLE BUILT ENVIRONMENT BREEAM BRE GLOBAL

INTERNATIONAL WELL BUILDING INSTITUTE WELL

Lighting Consulting

Our team of 50+ experts is always available in each country of our presence and will support you in your lighting projects. We provide personalised, industry-specific advice based on experience and the know-how we have gained throughout the years. By fully monitoring your project through to implementation, we offer you a global and integral vision at every stage. A personal approach to every client is at the centre of our work and leads to a partnerships that result in top-quality projects.

Customer and project requirements

Stage 1: Plan including (suggestions for) the placement of luminaires.
Detailed plans with sections, cuts, ceiling types, and furnishings.
Functions, branding, ambience, experience, sensations, levels, and creation of environments.
BIM methodology.

Lighting consulting, conceptualisation and development of the project
Analysis and review of your plans and needs

Stage 2: Concept sketch of the lighting design.
Plans with recommended placement of luminaires.
Lighting design and calculations (3D modelling).
Calculations to adjust and approve the (final) lighting design and the lighting levels, sensations, consumption control, and efficiency.
Development of special projects and products.

Presentation and delivery of the project

Stage 3: Lighting levels represented in false colours.
Luminaire placement plan (PDF and CAD).
Technical data sheets of the applied products.
Control and Smart Lighting services: Creation of groups and scenes, location of sensors, sketches and electrical diagrams, configuration, etc.

Technical support and customer service

Stage 4: The final lighting simulation project.
Follow-up and supervision of installation and configurations.
Incident management.
Maintenance and repairs.
Programming and commissioning of regulation and control systems.

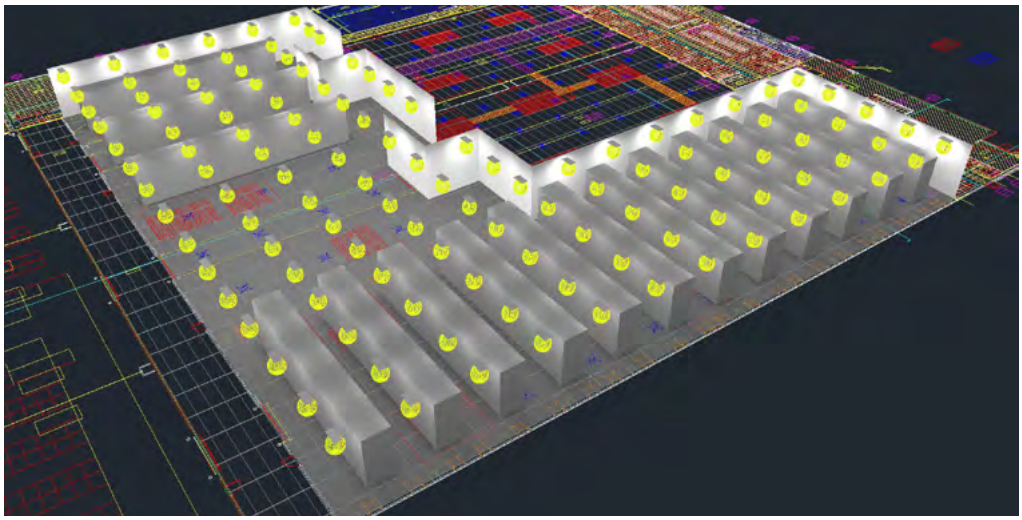
Projects and calculations

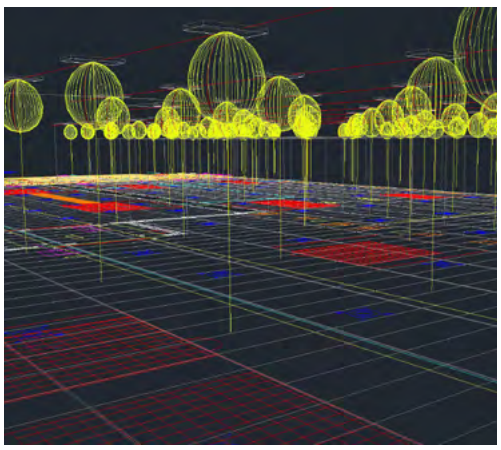
Our qualified lighting designers, with always up-to-date knowledge, are available to assist in the project and help with their qualifications, experience and knowledge. A personal approach to every project is at the centre of our work and leads to a partnership that results in top-quality projects.

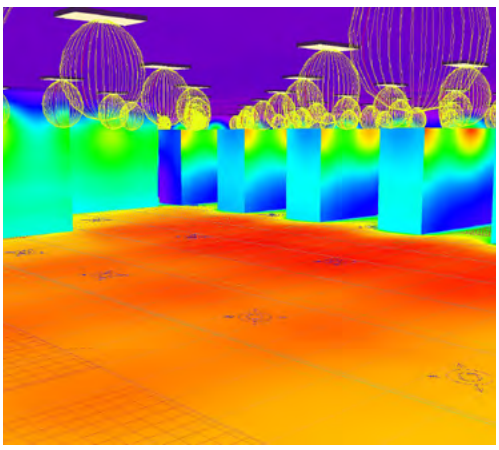
LUXIONA experts work in compliance with the highest industry standards and use recognised, state-of-the-art software, including DIALux. LUXIONA products are also available in DIALux Evo. This collaboration allows for designing, calculating, and visualising lighting effects in the project using LUXIONA luminaires. It is possible to easily obtain detailed product information, and technical and photometric data to create project documentation that is widely acknowledged as the global standard in the lighting design industry.

LUXIONA, being a full member of DIALux, is also included both in the online and offline catalogue. Our luminaires can be easily searched and filtered in the DIALux software. This aspect enhances work efficiency and shortens the time spent searching and importing data, allowing designers to focus on the creative aspect of lighting design.

DIALux evo







Customise and exceed standards

We leave nothing to chance. By listening, understanding, and combining our knowledge and experience, we make the most of available possibilities. By anticipating even the most demanding needs of investors, architects, and designers, we are able to create perfect lighting conditions for every space and task in the industrial sector.

The wide range of customisable solutions has a number of applications specifically developed by our experts to meet all the needs of industrial facilities.

Neptun Industry

Light

Colour temperature
Employees' ability to focus and general well-being in manufacturing areas have a direct connection with the colour temperature.

Colour Rendering Index (CRI)
Depending on the specific manufacturing area the value of the colour rendering index can vary significantly, starting from a lower value of, for example, 70 in non-essential areas to a higher value of 80.

Diffusers and optics
In industrial areas with rotating or moving machinery, the quality of lighting, and especially its uniformity should not be distorted by optical systems, and their design should prevent other damage, such as overheating of the luminaire and reduction in luminous flux caused by a layer of dust on the luminaire surface acting as an insulator.

UGR
By adhering to the recommended low UGR levels, we minimise glare, reduce visual fatigue and discomfort, ensure comfortable visual conditions, and thus enhance employee productivity, safety and overall well-being.

Gear

Control
Lighting controlled electronically by the lighting control system improves the quality of the light, while always ensuring optimal performance at all times and preventing dangerous circumstances caused by insufficient lighting, particularly in situations during intensive manual work.

Durability
In high ceiling roof type industrial sites the high lifespan of luminaires is especially crucial for reducing maintenance costs and ensuring continuous operation.

Body

Size
Dimensions adjusted to the specific project.

Material
Sheet steel, aluminium, stainless steel, polycarbonate.
Protection: IP, IK.

Finishing
The finishes of LUXIONA luminaires are customised as necessary for the different projects depending on the conditions in the industry and can differ from the standard ones, particularly in terms of chemical resistance, high temperatures, the presence of dust or high humidity levels.

Installation
Surface-mounted, recessed, suspended, including a selection of luminaire systems for industry, both linear, compact continuous and self-supported.

Dr Irena Eris Cosmetics, Piaseczno. Poland

Custom lighting to ensure high levels of security

Radiation outside the visible spectrum – especially ultraviolet radiation - causes serious photobiological threats to the skin and the eyes of employees exposed to it during long working hours. The classification of this risk has been developed and regulated under EN 62471:2009:

Group 0

Risk-free
The light source poses no risk and you can be exposed to the light source indefinitely.

Group 1

Low or limited risk
The light source poses no risk due to normal operating limitations on exposure.

Group 2

Moderate risk
The light source does not represent a hazard due to aversion response (instinctive reaction of an organ to protect itself from a very intense stimulus) to bright light sources or thermal discomfort.

Group 3

High risk
The light source represents a hazard even with brief or momentary exposure. Not for use in general lighting applications.

On top of the typical needs for industrial facilities, classified in range 1, because of our presence in the most demanding industries, the majority of LUXIONA luminaires rank in group 0, meaning no risk to employees exists.

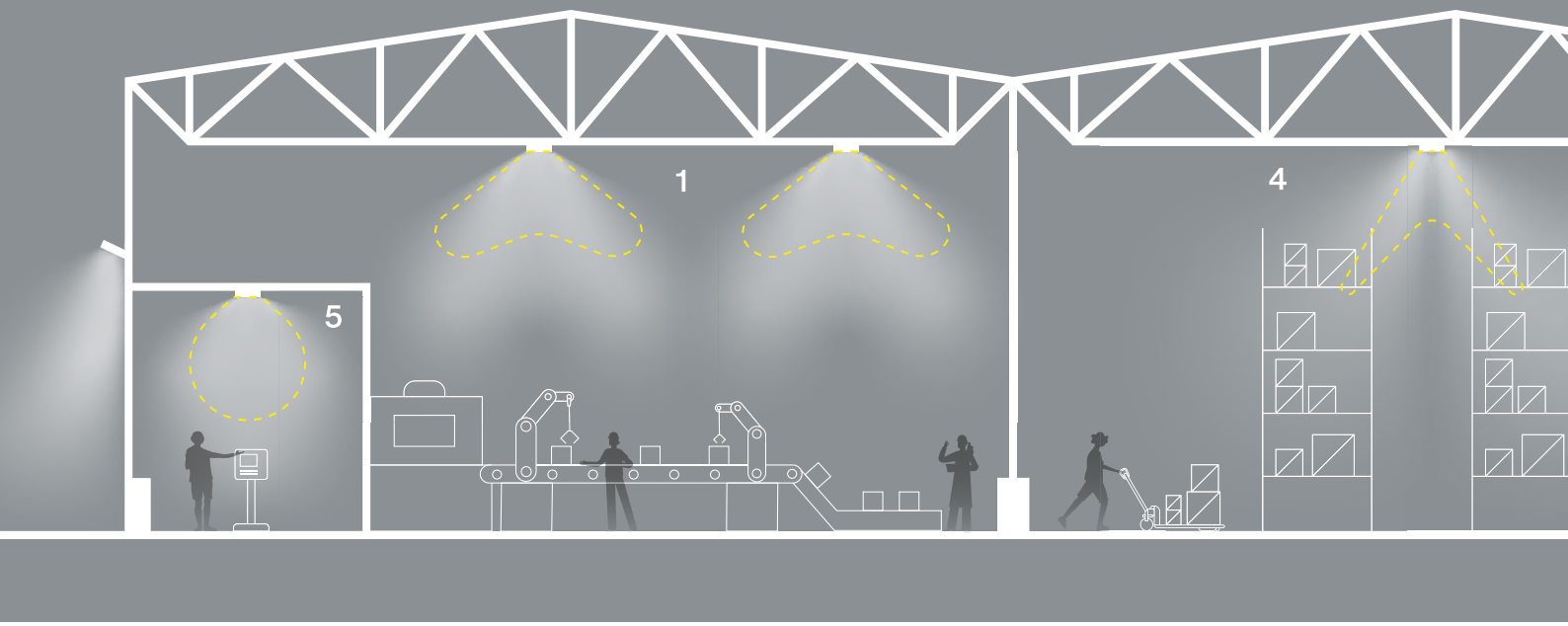
Atena Line V3

Delivering low UGR ratios

In windowless warehouses with high racks placed at very close proximity, a low UGR of the luminaire is a key factor, in addition to the correct positioning of the luminaire and uniform light distribution. A correct UGR helps prevent sudden glare when workers look up, thereby reducing the risk of accidents when driving forklifts and lifting and stacking goods on racks.

Low glare affects accuracy when working at height, which significantly reduces the risk of accidents and contributes to the well-being of workers, especially when the field of vision includes several luminaires.

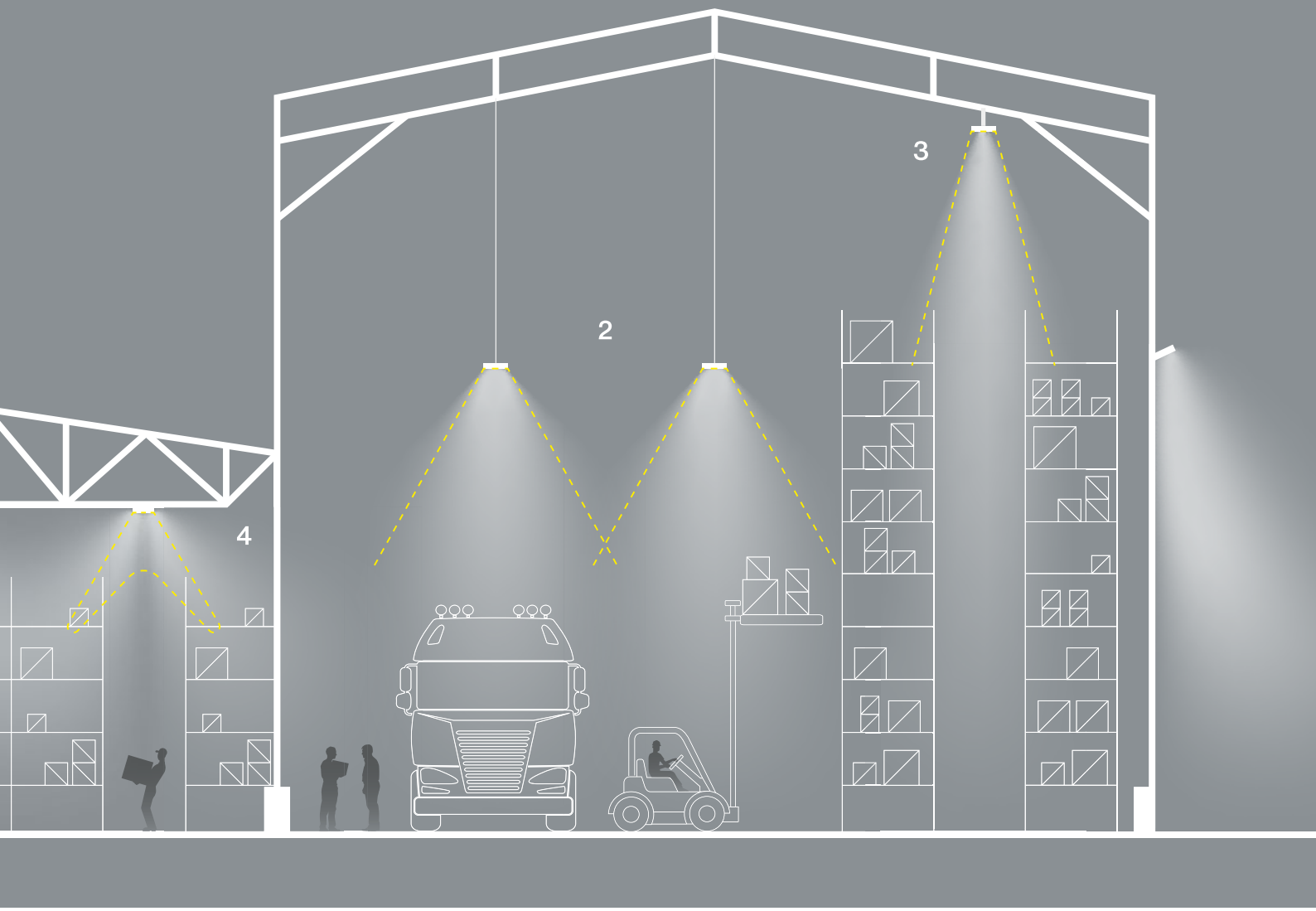
Less important than safety, but also very significant, is the impact of low UGR on the productivity of warehouse workers, as the absence of glare enables them to carry out their tasks, quickly and with maximum precision.



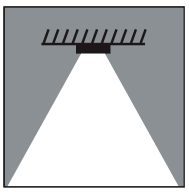
Solutions tailored to any space

LUXIONA solutions meet all the needs in terms of lighting distribution. No matter if needed to light uniformly racking areas with narrow beam optics in the vertical sense or wide and very wide beam angles for manufacturing stations.

Lighting distribution is a crucial aspect to consider when selecting luminaires or linear lighting systems for industrial and warehousing spaces. Narrow-beam optics are ideal for high racks, as they provide focused illumination to the vertical surfaces of the racks, and ensure that workers can easily locate and access stored goods. However, low spaces, such as workstations and halls, require luminaires with wide luminous flux distribution which is necessary to provide uniform lighting across all areas, including those with uneven surfaces. Uniform lighting distribution not only improves visual comfort and safety for workers, but it also enhances overall productivity by ensuring that all tasks can be carried out with ease and accuracy. At LUXIONA, we offer a wide range of luminaires with different light distributions, including direct, indirect, and diffuse light sources, to cater to the unique lighting needs of industrial environments.



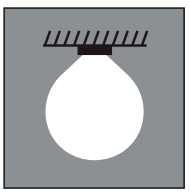
1. ultra wide plain
   up to 90°



2. medium spot
   60°

3. narrow spot
   30°

4. double
   asymmetric



5. frosted

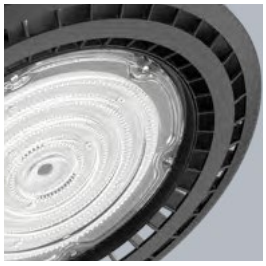
Parallel N

Diffusers for all industries

Ranging from high-resistant PMMA diffusers up to optical sets based on lenses, LUXIONA´s products always meet the different needs in industrial and warehousing sites, as we always account for the presence of soil, ammonia (for example in industrial stables), corrosive gases, and cleaning products.

For highly demanding industries, such as metal conforming and processing, PMMA diffusers with a high IP rating are applied instead of PC to prevent damage not only on the surface of the luminaire caused by oil vapors but also by the ingress of metal dust.

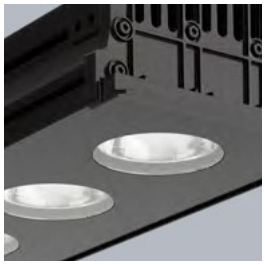
1. Optics (PMMA lens-based system)



2. PC opal

3. SHM (matt tempered glass)

4. Micro PRM (PMMA micro-prismatic)



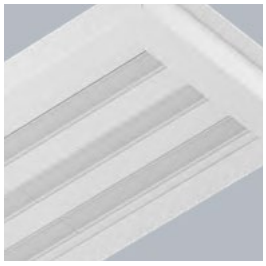
5. SH (transparent tempered glass)

6. Optics SH (PMMA lenses+ transparent tempered glass)

7. SH-Ornamental (ornamental tempered glass)

8. PC-Frozen (polycarbonate glaze)

9. PLX (PMMA opal)



10. PC-T (transparent polycarbonate)

11. PC-T MICRO-PRM (transparent polycarbonate + PMMA micro prismatic diffuser)

Customised gear

Smart lighting opens up a new range of possibilities. It enhances comfort and introduces flexibility enabling significant energy savings. By tuning the tone and brightness of light at different times of day it's easier to keep everyone focused and alert, especially during long hours while carrying out different tasks such as in the process of repeated activities on the assembly line. Other times it allows to dim or turn off the lighting in the parts of the building with less traffic. The luminaires can be also equipped with an emergency module that provides the luminaire with the possibility of emergency operation.

Casambi

Casambi is a smart lighting system that allows a mobile device to communicate directly with a luminaire and luminaires to communicate with each other. It uses a low-power radio communication technology that is built into every modern smartphone, laptop, and tablet, which makes them ideal tools for controlling lighting, colour, or stage setting up scenes. This helps bring flexibility and personalisation to projects. By using sensors built into fittings it is also possible to respond to different circumstances and share the data in the cloud.

DALI

DALI is a protocol that enables efficient communication. It works between individual luminaires or groups of luminaires and the control system. It integrates and communicates with other system components such as motion detectors and light sensors, allowing for quick and easy reconfiguration. By using intelligent LED lighting control, it is possible to save lighting costs, by reducing light intensity in certain working areas which are not currently used or have sufficient daylight.

CASAMBI

DALI

DALI 2

Bluetooth™

Wi Fi™

CLO ready

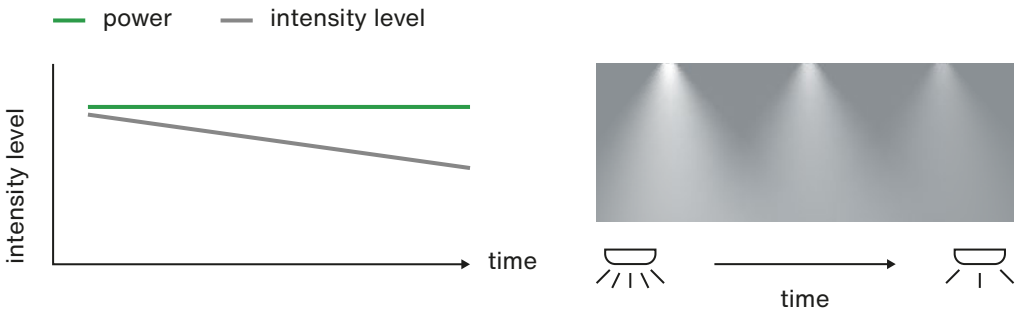
3 technologies for maximum savings

In combination with LED lighting, the use of a control system to maintain illuminance, dimming light where daylight is sufficient and detecting user's presence, can increase energy savings by up to 95% in some cases. When the space is occupied, the luminaire power will be reduced, and adjusted to the ambient light level. Even during short winter days the amount of daylight can be sufficient to dim luminaires, and therefore generate some extra savings. By combining all three functions orchestrated by the control system: the optimisation of light levels, and the use of light and presence sensors, you will be able to adapt the lighting conditions to the current needs and conditions of the specific building in real-time and thanks to this significantly reduce energy costs.

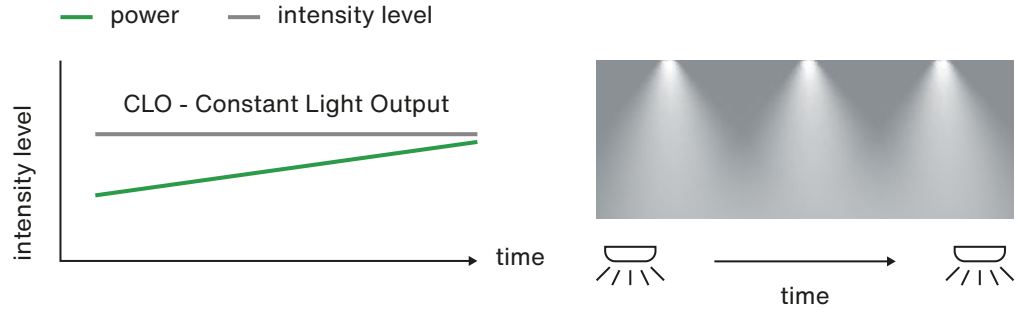
Energy savings through optimised light levels

Luminous intensity is reduced over time, through a reduction in the flux of the LED light source over time and in the accumulation of dust. In order to compensate for these losses and maintain an adequate level of illuminance throughout the lifetime of the luminaire, they are offset by higher illuminance. This results in excessive energy consumption over the product's full life cycle. Intelligent lighting control can dim the light to the desired level and reduce energy consumption. The initial lighting level is maintained throughout the cycle by gradually increasing the power and maintaining the correct light output.

Light intensity level over time without smart control



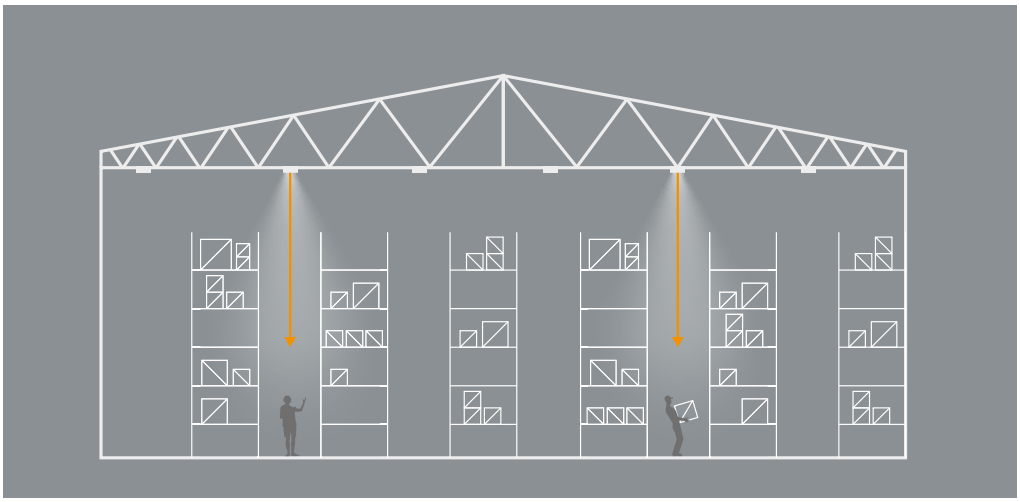
Light intensity level over time with smart control



Presence detectors

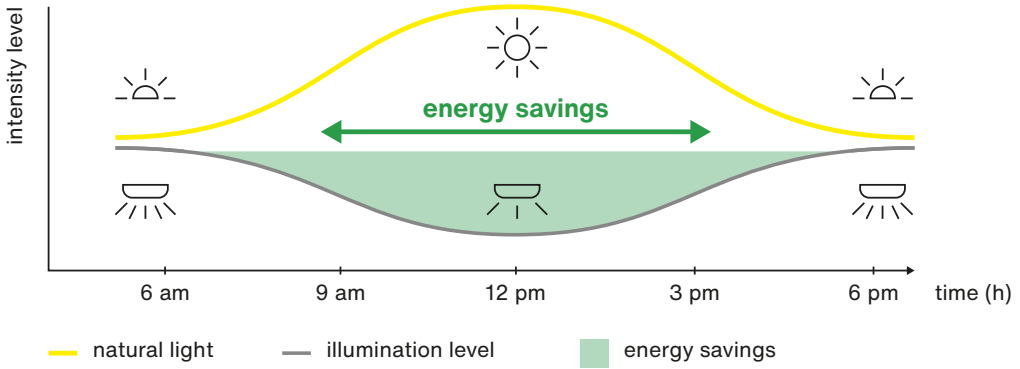
One of the technologies used for presence detection are Passive Infrared Sensors (PIR). These sensors detect the presence of a user and switch on luminaires that were previously switched off. If the sensor does not detect any new user activity for a pre-programmed time interval, the luminaires will switch off, in order to reduce energy consumption. It is also possible to programme a luminaire for the user's "absence", thus ensuring continuous energy savings throughout the year.

In this case, the luminaire is not switched on automatically by the motion sensor, but manually by the user. From this point on, the sensor monitors movement to switch off the luminaires automatically after a user-defined period of inactivity. Optimising room utilisation through presence monitoring is particularly beneficial, as not all rooms are constantly used by employees at all times. Turning off the lights in unused rooms will generate savings.



Combining LED lighting & natural light

Thanks to combining lighting control systems with natural light sensors, we can react in real-time to the lighting conditions in the room. When natural light enters the room, the sensor detects the level of natural light, factors in into account and gradually dims the light emitted from the luminaires, thus saving energy while still maintaining the required lighting level. As the level of natural light increases, the luminaire's light is dimmed proportionally until it is switched off completely, thus reducing energy consumption. The result is an additional boost to the savings that have already been made through optimized illuminance.

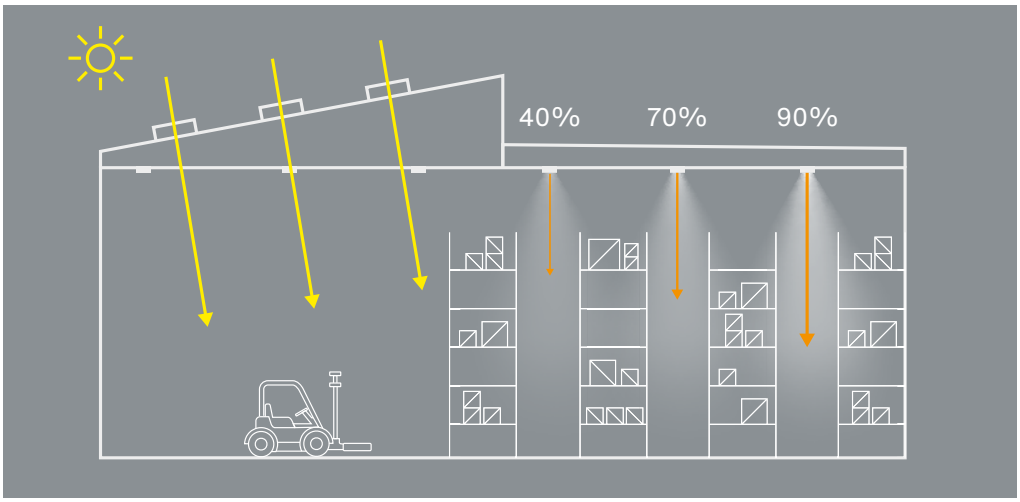


Combining natural light with smart lighting

Intelligent lighting control systems adjust luminaire settings based on ambient conditions to meet specific user and space requirements. This ensures uniform lighting, saves energy, and maximises natural daylight utilization. Luminaires in areas with sufficient natural light switch off, which leads to additional savings and prolonged lifespan.

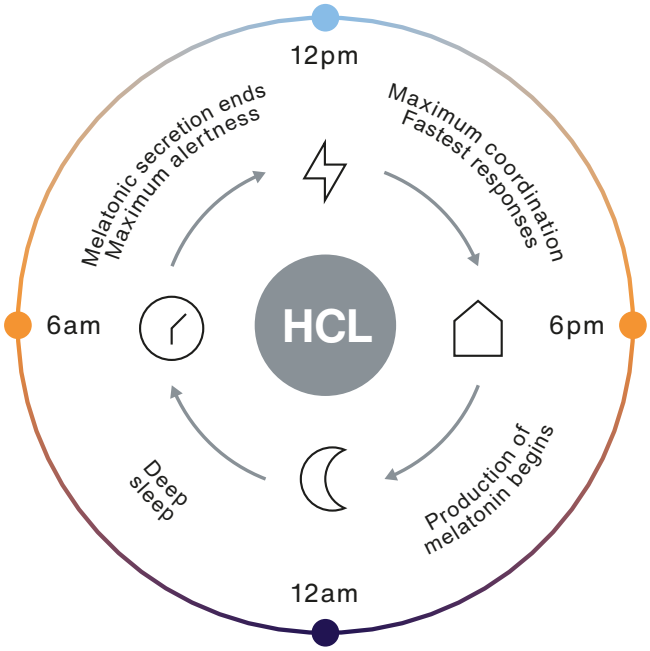
Combining daylight with a stand-alone sensor

The stand-alone Smart Scan sensor measures and adjusts the light intensity of a group of luminaires according to the ambient conditions. If there is an excess of natural light in a space, the sensor will switch off a group of luminaires, allowing further energy savings to be generated and extending the life of the luminaires.



Energy and traffic monitoring

Combining a facility's lighting infrastructure into a single, smart network is not only the most efficient and cost-effective way to manage lighting, but also the most convenient and practical. Management is possible via intuitive software or an app that simultaneously monitors system status, and collects data on energy consumption, movement of employees and facilitates the early detection of failures. The monitoring provides real-time data on the power consumption of the entire system, as well as selected luminaires and luminaire groups, and on their operating temperatures and modes. This provides a comprehensive picture of the most relevant data, such as the amount of natural lighting that reaches selected workstations, the daily, weekly and monthly distribution of employee activity, as well as room traffic and use intensity of selected spaces. In this way, the user can flexibly modify the parameters and correct the quality of lighting on the basis of the collected data. Real-time flagging of technical problems in the installation also reduces the high costs of technical inspections and unexpected failures.



Human Centric Lighting

Our life cycles are closely linked to the cycles of natural light and darkness. However, today we spend most of our time indoors, often subjected to artificial lighting, which alters our natural biorhythms, and thus our states of alertness and rest.

To help us regain this balance, we align four dimensions of light: direction, colour, intensity, and time of exposure to create lighting that supports people's well-being throughout the day of work.

Thanks to the combination of these four dimensions, it is easier to achieve employee well-being, as well as better productivity. This especially important in warehousing and in manufacturing spaces, where employees perform repetitive tasks and eyestrain needs to be avoided. Creating these optimal lighting conditions in industrial settings is also essential for ensuring safety. A well-designed lighting system can help prevent accidents by providing adequate illumination for all work areas, thus reducing the risk of falls and collisions. Customising the direction and colour of light based on the nature of the work and the needs of employees can further enhance the quality of industrial lighting.

By choosing high-efficiency LED luminaires and lighting control systems you can maximise energy efficiency, resulting in significant cost savings on both energy and maintenance expenses.

At LUXIONA, we specialise in creating customised lighting solutions for industrial environments. We use advanced technologies to optimise energy efficiency and worker safety while also promoting productivity and comfort.

Visual perception

Brightness
Colour
Contrast
Shapes
Motion

Emotional well-being

Wellbeing
Positive atmosphere
Recovery
Comfort

Biological well-being

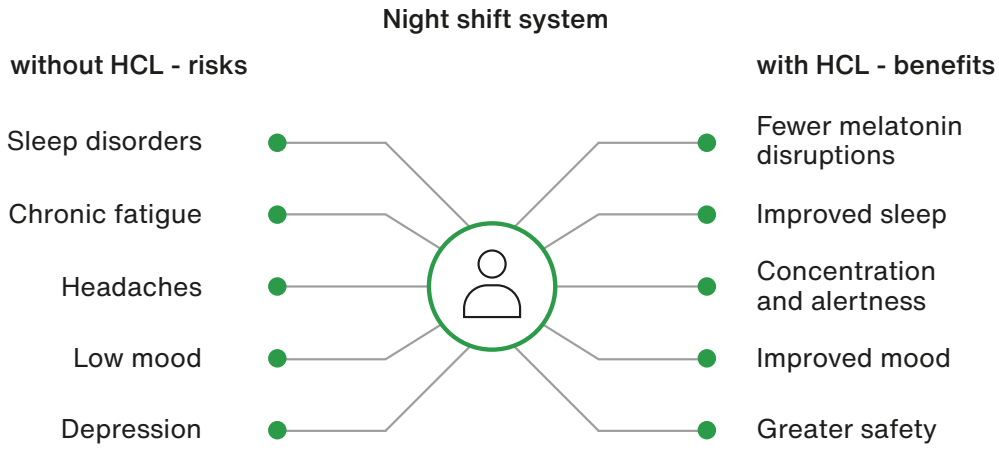
Concentration
Synchronisation
of the inner clock
Attention

The right lighting for your safety and well-being

In busy working environments, all employees from delivery drivers to warehouse members need quality lighting to work safely and accurately operate machinery. The faster and easier a hazard can be spotted, the easier it is to avoid it. Lighting must not produce glare or flicker that could cause headaches and eventually the sick building syndrome or cause employees to misjudge situations and provoke accidents. Headaches and irritating light can not only lead to worsen the mood and productivity of workers but also cause chronic fatigue, or in worst case scenarios depression. LUXIONA's LED luminaires boast a CRI of 80 or more, and provide much more natural colour, similar to natural daylight, for a better perception. Our solutions respect good practices and comply with international regulations to provide the required lighting levels to ensure the health and safety of all employees.

Greater productivity and health benefits in shift systems

With the right lighting, you can increase productivity, improve safety and enhance well-being in the most demanding shift work environments.

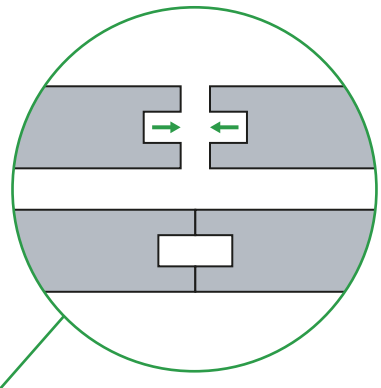


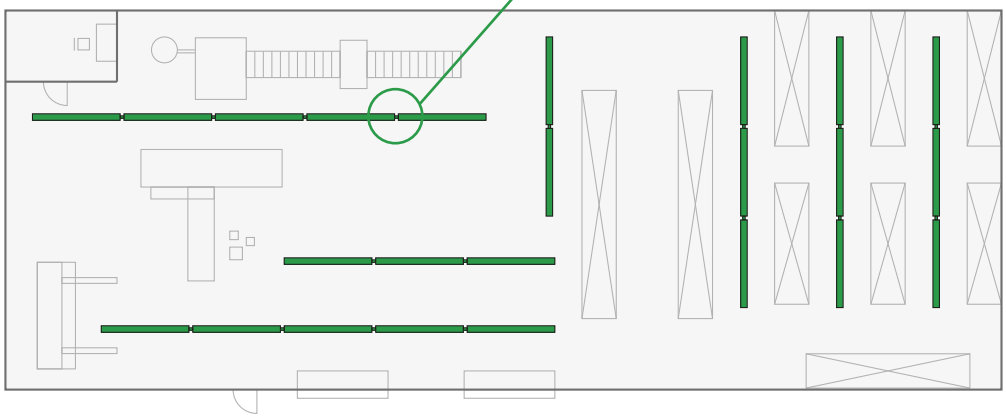
In the industrial sector, working environments are often less than optimal for the people working in them. Unsociable hours and shift work are common, which may lead to disrupt the melatonin balance at night and cause bringing sleep problems. Without proper light as the prime regulator, our internal clock quickly goes out of sync. Higher light intensity combined with the right light colour spectrum and careful timing of different lighting settings may increase to higher alertness levels among industrial workers but it can also help restoring the natural circadian rythym.

This is particularly difficult in shift work systems and industrial areas where teams work three shifts a day. Such rotation significantly disrupts the circadian rhythm. Light colours and brightness levels that keep people active throughout the day can cause the day-night rhythm to deteriorate when used at night. On the other hand, lighting scenarios suitable for evening or night shifts are generally not suitable for daytime use. For this reason, using light management systems that enable switching between day and night lighting is always beneficial in order to increase well-being and efficiency in a company.

Modular systems

In industrial environments, the ability to quickly and efficiently adapt lighting systems to changes in layout and processes is crucial for maintaining productivity and minimising downtime. Rather than completely overhauling the entire lighting system, it is often more practical and cost-effective to simply replace individual modules or add new ones. To achieve such flexbility, lighting systems must be designed with adaptability in mind, and use modular components and support rail systems that allow for easy repositioning of luminaires without the need for tools or complex installation procedures.
Self-supporting rail systems, in particular, provide an excellent basis for lighting in industrial environments, as they offer maximum flexibility to quickly and smoothly react to changes in layout. This means that downtime is minimised and production can continue without interruption.





Parallel N

Customising luminaire body to meet the hardest manufacturing conditions

Industrial manufacturing sites vary from standard nonaggressive manufacturing conditions to highly aggressive environments affecting both comfort and safety due to expelled and suspended dust, extreme heat, and humidity levels. With the help of LUXIONA, special luminaires can be designed to be used in these extreme environments even for singular conditions, like:

Paper & wood manufacturing

Micrometric particules of dust, wood or paper could be present in the air, increasing the risk of fire. In this case, luminaires should be temperature limited and also with high level of lumen packages to compensate the lost of luminance levels due to the accumulated dust or sawdust.

Corrosive ambiances

In farming or stables, and generally speaking in any corrosive environment that emits gases ambiance, luminaires must be resistant to gases in order to guarantee a long lifespan by preventing both degradation of the body and damage to the LED sources because of corrosive particles getting in touch with phosphor coatings of COBS or SMD LEDs.

High temperature rooms

Technical specs for luminaires used in high temperature processing centers should minimise the risk of their components overheating.

Metal industry

Shiny surfaces affect UGR levels and unwanted reflections, which can pose a risk to workers operating metal-cutting machinery or workers who perform visual supervision of metal processing.

Food industry

At the top of the lighting technology requirements is the food industry, where glass finishes must be avoided and the surfaces of luminaires should be crack-resistant. The required levels of air cleanliness must also be met. LUXIONA, as one of the market leaders in cleanroom lighting, has machinery and specialised rooms for the manufacturing of clean and medical products, in accordance with its ISO 13485 certification. To find out more about LUXIONA Clean & Medical solutions, visit our website: www.luxiona.com

MAN, Starachowice. Poland

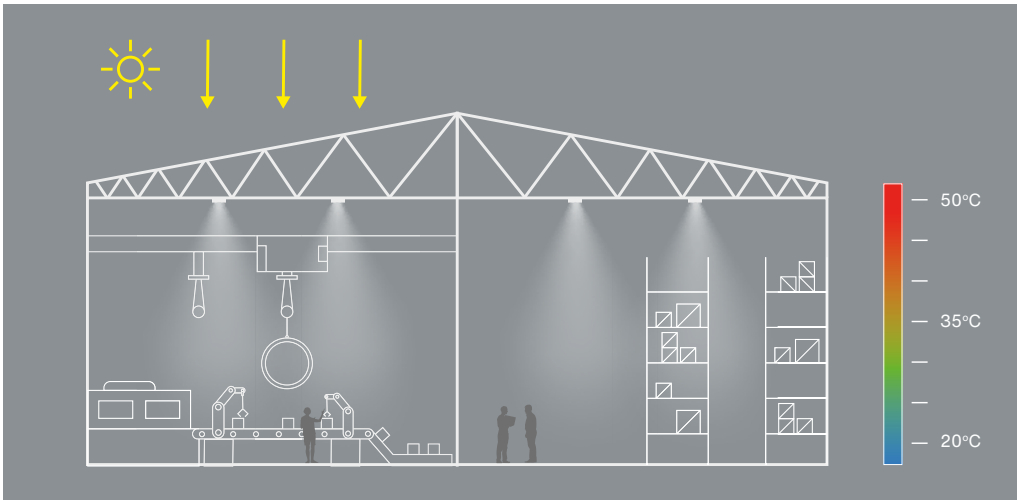
HT 60

HT 50

HT 45

HT - High temperatures

Our luminaires HT (high temperatures) are specially designed for installation in spaces with a very high ambient temperature (+50°C or even +60°C), such as industrial ovens. All components selected are sourced from the best manufacturers and are of the highest quality so that such conditions do not affect the luminaire's performance and lifetime.



Atena Line New Industry

Light sources designed to withstand extreme temperatures

Thermal Management:

High-temperature-resistant LEDs incorporate efficient heat dissipation mechanisms such as metal-core printed circuit boards (MCPCBs), heat sinks, and thermally conductive materials. These elements effectively channel heat away from the LED chips, preventing excessive temperature buildup and maintaining optimal operating conditions.

Robust Construction:

Industrial-grade LED light sources are built using durable materials and high-quality components that can tolerate extreme temperatures and resist damage from vibrations, impacts, and chemical exposure.

Optimal Lumen Output:

LEDs designed for high-temperature applications maintain their lumen output even in elevated temperatures. This ensures consistent illumination levels and reliable visibility and safety.

Specialized Drivers for High-Temperature Applications

Temperature Compensation

Specialized LED drivers incorporate advanced temperature compensation features that adjust the electrical parameters based on the operating temperature, ensuring stable and consistent current regulation of the LED light sources, and maintaining optimal performance.

Wide Operating Temperature Range

LED drivers designed for high-temperature applications have an extended operating temperature range. This allows them to function reliably even in extreme ambient conditions, ensuring consistent illumination without any performance degradation.

Robust Protection Features

High-temperature LED drivers incorporate multiple protection mechanisms to safeguard the LEDs and the driver circuitry, such as over-temperature protection, over-current protection, over-voltage protection, and short-circuit protection, among others.

Lighting your industrial space together with LUXIONA

When selecting lighting for an industrial facility, it is essential to consider factors such as lighting levels, colour temperature, and energy efficiency.

Benefits of well Illuminated industrial space

1. Increasing quality of work during to visual tasks
2. Enhancing the precision of visual tasks and improving overall work quality
3. Minimizing work accidents and reducing production errors
4. Promoting better ergonomics and enhancing employee morale
5. Boosting employee concentration and motivation
6. Improving the productivity of night shift workers with appropriate lighting
7. Adapting lighting to mimic natural light according to the time of day
8. Customising lighting to meet the needs of users and departments
9. Allowing flexible arrangement of workspaces in the workplace
10. Ensuring energy efficiency compared to conventional lighting systems

When selecting lighting, special attention should be paid to the following:

Iluminance levels (E_m)
Correct illumination levels of illuminance needs to be ensured for the following industries:
750-500 lx – the electrical and electronic sector: tasks involving assembly work, precision assembly lines, construction, and repair work,
300-200 lx – the food industry; machine halls in power plants and water stations,
150–100 lx – iron and steel manufacturing facilities that involve intermittent manual operations; storage areas.

Lighting uniformity (U_0)
Maintaining high lighting uniformity with recommended parameters typically ranging between 0.4 and 0.7 for the Uo (uniformity) factor. This ensures consistent lighting levels across the work area, and reduces visual disparities, shadows, and visual discomfort.

Accurate colour rendering (CRI)
Correct colour reproduction can be of great importance for process monitoring, especially quality control of production and its components in various industries, such as the food or metal industries.

Comfort without glare (UGR_L)
The UGR index typically ranges from 16 to 22, whch ensures optimal visual conditions for workers in industrial environments.

Illuminating different departments in all kinds of industry spaces

In an industrial facility, each area such as workstations on the production floor, resting rooms, warehouses, precision workmanship, assembly halls, packaging and shipment areas require lighting with different characteristcs, according both to the task performed as well as the respective industry.

Different industry factories have unique lighting requirements due to the nature of their operations, the products that they manufacture, and the environments in which they operate.

Print Group, Szczecin. Poland

Lighting of production halls

Production halls require high-quality lighting to ensure maximum visibility and safety for workers. One important factor to consider when selecting lighting for a production hall is the type of activity that takes place in the space. For example, if the space involves precision assembly work or inspection, higher lighting levels with better colour rendering may be necessary. Another important factor is the energy efficiency of the lighting system. In large industrial spaces, lighting can account for a significant portion of energy consumption. Energy-efficient lighting options such as LED lighting can help reduce energy costs and improve sustainability.

Electronics and microprocessor plants

These factories typically require precise lighting that allows workers to see small parts and details. They also need to ensure that the lighting does not interfere with the performance of sensitive equipment, such as microscopes and cameras. In addition, these plants may require specialised lighting such as UV lights, which are used for inspection and testing.

Nitrogen Plant, Pulawy. Poland

Warehouse lighting

When it comes to lighting warehouses, there are several tips and challenges that should be considered to ensure optimal lighting levels and worker safety. Determining the appropriate lighting levels is one of them. The lighting levels required in warehouses can vary depending on the tasks being performed. For example, areas where workers handle small parts may require higher lighting levels than areas where workers move large objects.
Appropriate lighting levels should be determined based on the tasks being performed in each area of the warehouse.
Proper colour rendering ensures that workers can accurately identify products and labels. LED lighting is an excellent option for high-colour rendering, as it provides high-quality light that can improve visibility and reduce errors.
In a warehouse setting, lighting fixtures can be difficult to access and maintain. Therefore, it is important to select lighting fixtures that require minimal maintenance, such as LED fixtures. Additionally, luminaires should be selected based on their durability and high resistance to damage from forklifts and other equipment.
Lighting controls such as sensors and timers can help reduce energy consumption and operating costs by ensuring that lights are only on when needed. For example, occupancy sensors can automatically turn lights on when a worker enters a room and turn them off when the worker leaves.

Warehouses with high racking structures

In warehouses with high ceilings and shelves, it is essential to use lighting that can provide adequate illumination in hard-to-reach areas. High bay lighting luminaires are a popular choice for these types of environments because they can provide bright, even illumination from a distance.
When selecting high bay lighting, it is important to consider factors such as mounting height, fixture efficiency, and colour rendering. Higher mounting may require more powerful luminaires, while higher colour rendering can help improve visibility and accuracy in colour-critical tasks.

Chemical plants

Lighting in chemical plants must be designed to meet safety requirements and minimise the risk of explosions or fires. This often involves the use of lighting fixtures that are designed to withstand harsh chemicals and environments.

Pepsico, Michrow. Poland

Lighting for outdoor industry areas

Outdoor industry areas such as parking lots, loading docks, and storage yards require lighting that can withstand harsh weather conditions and provide adequate illumination. Professional industrial lighting options for outdoor areas include floodlights, wall packs, and pole-mounted luminaires.
When selecting outdoor lighting, it is essential to consider factors such as weather resistance, energy efficiency, and light pollution. Weather-resistant luminaires can help ensure longevity and reduce maintenance costs, while energy-efficient products can help reduce energy consumption and improve sustainability. Additionally, outdoor lighting should be designed to minimise light pollution and prevent unnecessary light spillage into neighboring areas.

KPS Food, Radom. Poland

Food production plants

Lighting in food production plants must be designed to meet safety and sanitation requirements by ensuring high air cleanliness. This often involves using lighting fixtures that are easy to clean and do not harbor bacteria.

Dr Irena Eris Cosmetics, Piaseczno. Poland

Modernise and save with lighting replacement

Every space, regardless of its purpose, requires thoughtful and effective solutions. As we carry out our daily tasks, we need the highest quality lighting to help us stay focused, precise and productive, even in the most demanding industrial facilities. With intelligent LED lighting systems, we combine effectiveness and visual comfort with the highest levels of energy efficiency and environmental responsibility.

By upgrading your lighting, you gain:

Lower energy and operating costs

Rising labour and energy costs call for thoughtful investment decisions. The combination of high-efficiency LED luminaires and lighting controls results in noticeably lower electricity bills. Energy-efficient solutions are supported by a sophisticated thought-out installation system that significantly reduces the costs of preparing industrial facilities for operation and of maintenance.

Greater comfort and safety

Nothing is more important than comfort and safety in the workplace. By implementing the Human Centric Lighting approach to our lighting products and combining them with intelligent control systems, we support the body's natural biorhythm. We help space users to be more productive and focused, or calm and relaxed, exactly when they need it. By eliminating glare and fine-tuning adjusting the lighting parameters of our luminaires to suit specific tasks and needs, we meet employee needs, create a friendly environment and promote safety and well-being in the workplace. As a result, we increase the productivity of teams, respond to even the most demanding needs with our fully personalised solutions, and improve workplace safety.

High standard of the facility and return on investment

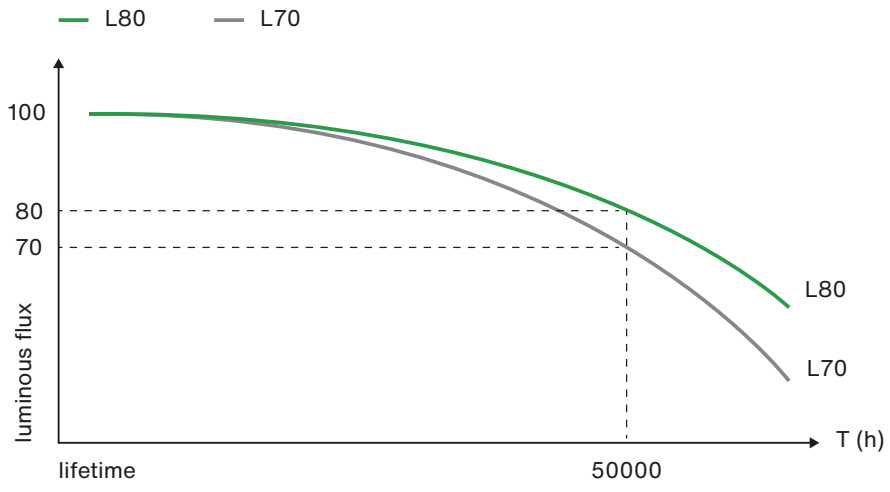
Replacing lighting is an investment that pays off exceptionally well. The money spent on modernisation pays off surprisingly quickly, and modern lighting systems raise the standard and prestige of the property itself. High quality of lighting and energy efficiency of a property is also one of the most important elements that investors pay look at attention to when assessing the value of a property. LED lighting, ensures trouble-free, durable and low-cost use of the facility for many years. This is an important asset of the facilty, which increases its value on the property market.

Reduced environmental impact

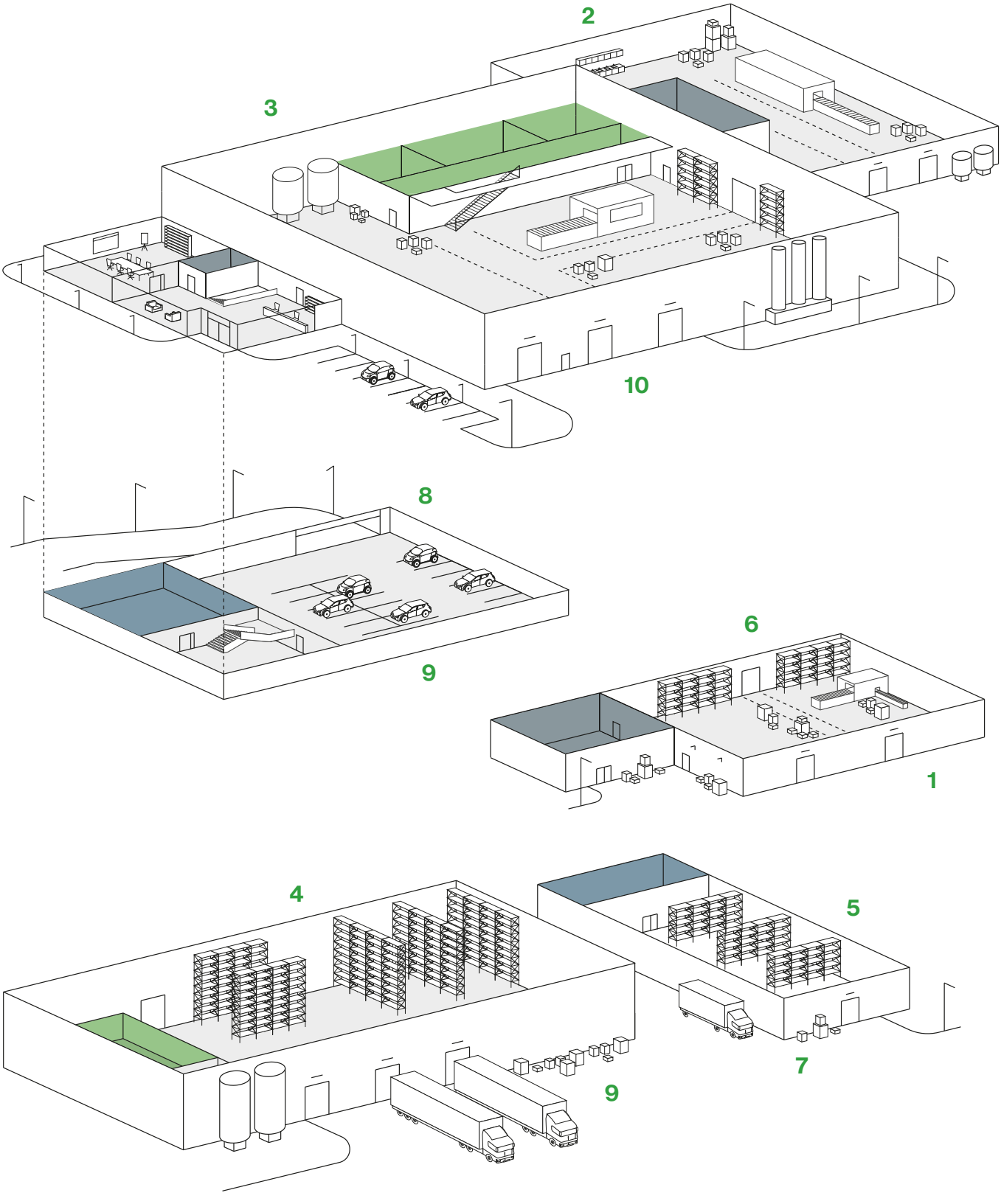
Lower energy consumption, thanks to more efficient LED sources, is an extremely environmentally friendly solution. It reduces the carbon footprint generated by the use of illuminated spaces. Reliability, the absence of hazardous materials in the manufacture of LED sources and the long service life of LUXIONA luminaires also contribute to the production of less waste. Our almost 100 years of experience as a manufacturer of lighting fixtures also allows us to continuously improve our production process and implement technologies that reduce our environmental impact. Sustainability is one of our core values, which is why we strive for the highest standards of environmental practices.

Flux maintenance

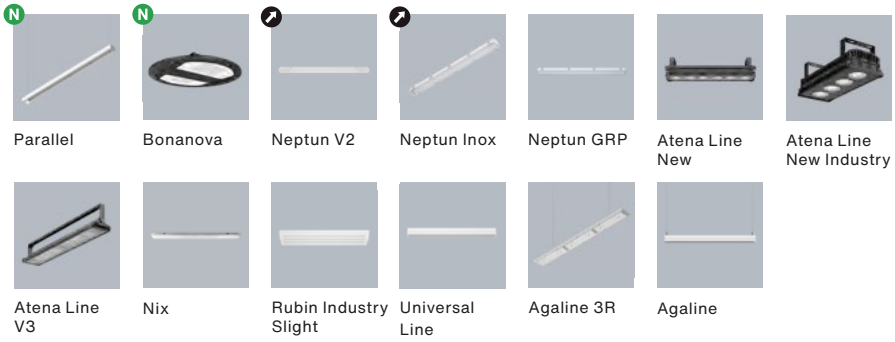
With the advent of LED technology, unlike other light sources, it is necessary to speak of flux maintenance to refer to the lifetime of a luminaire, since LED modules do not die instantaneously, but over time their performance worsens and their flux is progressively dimmed. To determine how LEDs will degrade, the nomenclature aa.aaa h LxxByy is used (e.g.: 50,000h L80B10, 60,000h L90B10...), the definition of which would be: "time (in hours) after which B% of the LEDs emit a luminous flux lower than L% of the initial flux". In other words, if we have a value of 50,000h L80B10, it would mean that 10% of the luminaires will have a flux lower than 80% after 50,000 hours on (in other words, 90% of the luminaires will have a flux higher than 80%). The lighting industry has been assuming 50,000h L70B50 as the lifetime standard. That means that after 50,000h of operation, 50% of the LED modules will have less than 70% of the initial flux. However, many LUXIONA products offer a much better degradation than that standard, up to a L90B10 after 100,000h!



Lighting for all industry spaces



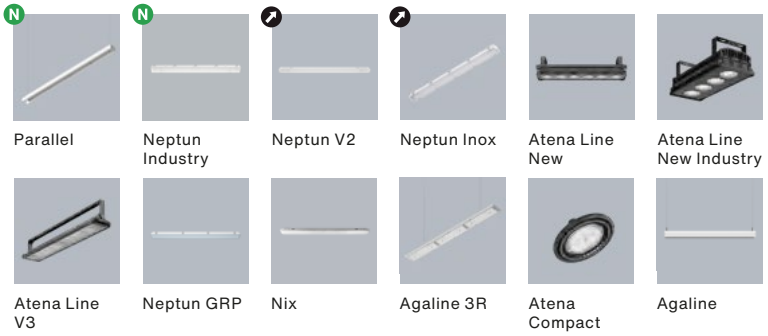
1 Production halls up to 7 m



2 Production halls above 7 m

3 Production halls with higher ambient temperatures (HT)

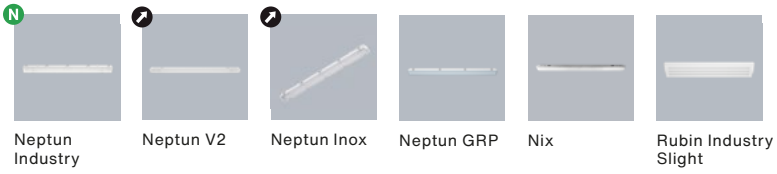
4 Low storage warehouses



5 High storage warehouses

6 Food and chemical production facilities

7 Cold stores and freezers



8 Indoor parking

9 Outdoor Lighting

N New product - Check availability
Improved product

Atena Line V3

Production halls up to 7 m

Production halls above 7 m

Production halls with higher ambient temperatures (HT)

Low storage warehouses

High storage warehouses

Food and chemical production facilities

Cold stores and freezers

Indoor parking

Outdoor Lighting

IK 04 | SDCM 3 | IP 20 | CRI >80

Parallel N

An efficient modular system excellent for functional lighting of large production halls. A luminaire designed to be installed in straight lines, made of aluminium, painted in white.

IK 10 | CRI >80 | IP 66 | HT 50

Bonanova N

Innovative industrial luminaire with versatile installation options. Sleek housing without external heatsinks. The ingenious design prevents dust and dirt buildup, for optimum performance and extended component lifespan.

IK 10 | SDCM 3 | IP 66 | ⏚

Neptun V2

Versatility and reliability combined in one efficient product. An improved, hermetically sealed luminaire, ideal for areas with dust, gas and humidity such as car parks and workshops. It is also suitable for outdoor use.

IK 08 | SDCM 3 | IP 65 | ⏚

Neptun Inox

Ultimate safety, strength, and durability with the improved waterproof luminaire. Engineered with a stainless steel body to surpass the highest industry standards and thrive in the most demanding industrial conditions.

IK 10 | SDCM 3 | IP 65 | ⏚

Neptun GRP

Luminaire with a body made of polyester reinforced with glass. The use of this material provides luminaire with high resistance to thermal, mechanical, and chemical factors.

IK 08 | E | IP 65 | ⏚

Atena Line V3

Industrial luminaire designed for ceiling, suspended or pole-and-arm mounting. The body made of a specially designed aluminium profile with a slimmer and lighter design compared to Atena Line LED standard version.

IK 08 | E | IP 65 | ⏚

Atena Line New

Industrial luminaire designed for ceiling or suspended mounting. The body is made of highly resistant aluminium profile, perfect for harsh conditions in demanding industrial spaces including temperatures from -25 to 40 Celsius.

IK 08 | E | IP 65 | ⏚

Atena Line New Industry

Industrial luminaire designed for ceiling or suspended mounting. Body made of highly resistant aluminium profile to withstand conditions in demanding industrial spaces including temperatures from -25 to 50 Celsius.

N New product - Check availability
Improved product

Products represent a selection of lighting solutions. See the complete portfolio of our products at www.luxiona.com

Agaline

Production halls up to 7 m - continuation

Production halls above 7 m

Production halls with higher ambient temperatures (HT)

Low storage warehouses

High storage warehouses

Food and chemical production facilities

Cold stores and freezers

Indoor parking

Outdoor Lighting

IK 10 | CRI 80 | IP 65

Nix

A series of waterproof LED luminaires with multiple mounting options: on walls, directly on ceilings or to be hung the ceiling. Specifically designed to illuminate rooms with high levels of humidity pollution and risk of impact.

IK 08 | SDCM 3 | IP 65

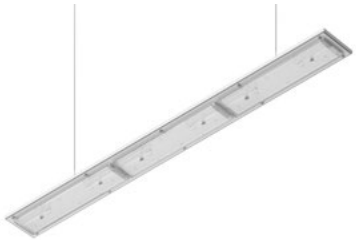
Rubin Industry Slight

Luminaire designed for ceiling mounting. Highly efficient lenses make it an effective and energy-saving solution, perfect for illuminating large areas.

IK 04 | E | IP 20

Universal Line

Universal luminaire for versatile tasks thanks to highly efficient LEDs and different optical systems. Ceiling-mounted or suspended. Available with fast modular connection systems.



IK 04 | E | IP 65

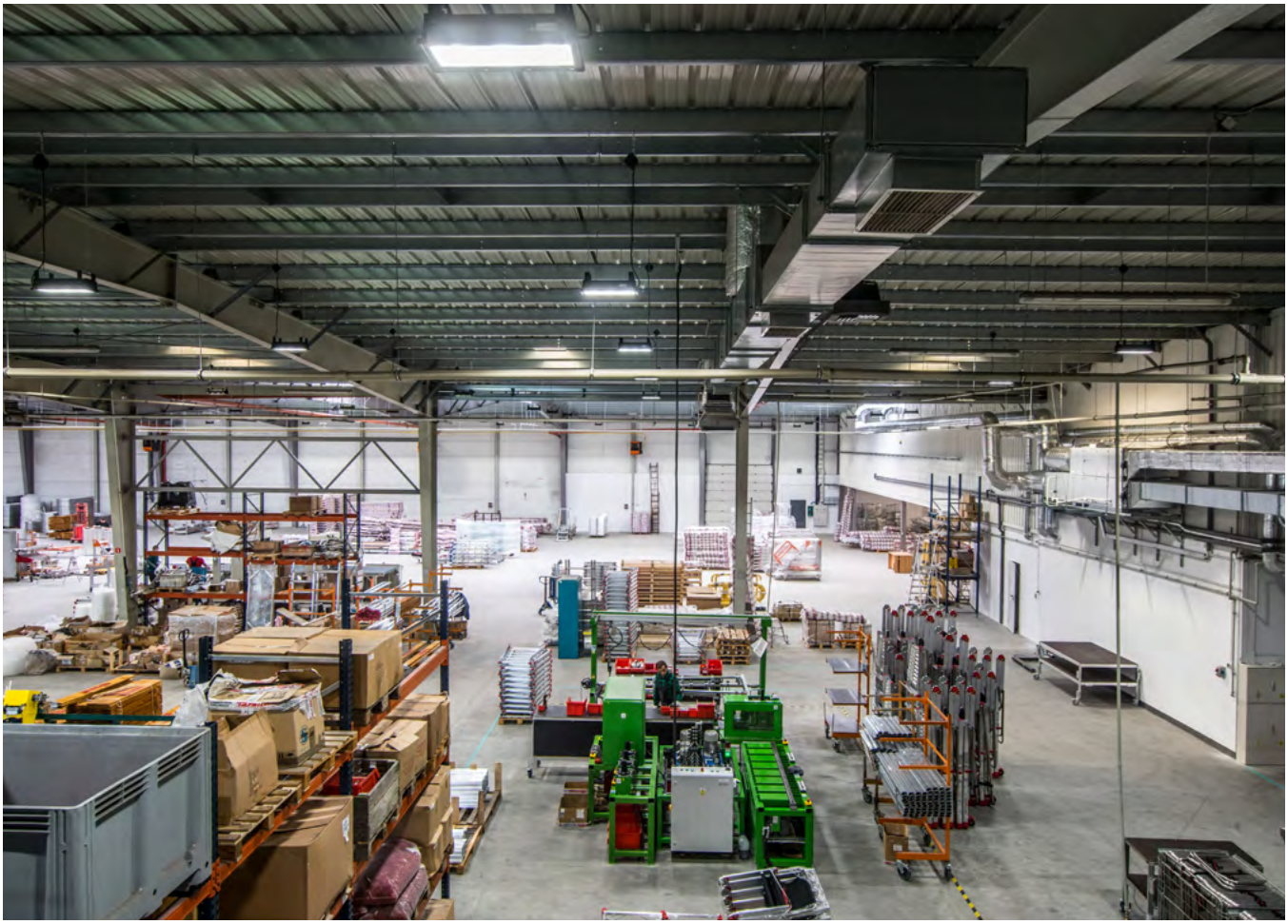
Agaline 3R

Agaline is an industrial modular system for installation in straight lines. It is perfect for lighting industrial facilities and warehouses that require uniform light.

IK 04 | E | IP 20

Agaline

Agaline is a modern modular system to be installed in straight lines, which makes it perfect for lighting industrial facilities, warehouses and other large commercial spaces.



Faraone, Goleniow. Poland

 Saint-Gobain Glassolutions, Jaroszowiec. Poland

MAN Starachowice. Poland

Neptun Industry Optics N

Production halls up to 7 m

Production halls above 7 m

Production halls with higher ambient temperatures (HT)

Low storage warehouses

High storage warehouses

Food and chemical production facilities

Cold stores and freezers

Indoor parking

Outdoor Lighting

IK 04 | SDCM 3 | IP 20 | CRI >80

Parallel N

An efficient modular system excellent for functional lighting of large production halls. A luminaire designed to be installed in straight lines, made of aluminium, painted in white.

IK 10 | IP 65 | HT 50 | HT 60

Neptun Industry N

Our waterproof Neptun luminaire is now available in an even more resistant version, suitable for environments with extreme temperatures, from -25° to +60°C. Also available with lens 30°, 60°, 90°, AREA, ASY, D-ASY, Oval.

IK 08 | E | IP 65 | ⏚

Atena Line New

Industrial luminaire designed for ceiling or suspended mounting. The body is made of highly resistant aluminium profile, perfect for harsh conditions in demanding industrial spaces including temperatures from -25 to 40 Celsius.

IK 08 | E | IP 65 | ⏚

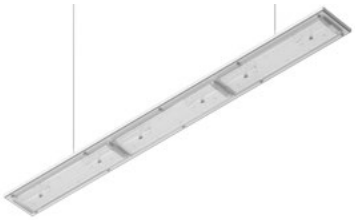
Atena Line New Industry

Industrial luminaire designed for ceiling or suspended mounting. Body made of highly resistant aluminium profile to withstand conditions in demanding industrial spaces including temperatures from -25 to 50 Celsius.

IK 08 | E | IP 65 | ⏚

Atena Line V3

Industrial luminaire designed for ceiling, suspended or pole-and-arm mounting. The body made of a specially designed aluminium profile with a slimmer and lighter design compared to Atena Line LED standard version.



IK 04 | E | IP 65 | ⏚

Agaline 3R

Agaline is an industrial modular system for installation in straight lines. It is perfect for lighting industrial facilities and warehouses that require uniform light.

IK 08 | SDCM 3 | IP 65 | ⏚

Atena Compact

Industrial luminaire mounted on pendants and equipped with high-efficiency LED sources. The body is made of cast aluminum, which also acts as a heat sink for the LED modules.

N New product - Check availability

Rubin Industry Slight

Production halls up to 7 m

Production halls above 7 m

Production halls with higher ambient temperatures (HT)

Low storage warehouses

High storage warehouses

Food and chemical production facilities

Cold stores and freezers

Indoor parking

Outdoor Lighting

IK 10 | IP 65 | HT 50 | HT 60

Neptun Industry N

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IK 10 | SDCM 3 | IP 66 | HT 50

Neptun V2

Versatility and reliability combined in one efficient product. An improved, hermetically sealed luminaire, ideal for areas with dust, gas and humidity such as car parks and workshops. It is also suitable for outdoor use.

IK 08 | E | IP 65 | HT 50

Atena Line New Industry

Industrial luminaire designed for ceiling or suspended mounting. Body made of highly resistant aluminium profile to withstand conditions in demanding industrial spaces including temperatures from -25 to 50 Celsius.

IK 08 | SDCM 3 | IP 65 | HT 45

Rubin Industry Slight

Luminaire designed for ceiling mounting. Highly efficient lenses make it an effective and energy-saving solution, perfect for illuminating large areas.

N New product - Check availability

Improved product

Products represent a selection of lighting solutions. See the complete portfolio of our products at www.luxiona.com

easyJet Hangar, Berlin Brandenburg Airport. Germany


7
6

Neptun Industry N

Production halls up to 7 m
Production halls above 7 m
Production halls with higher ambient temperatures (HT)

Low storage warehouses

High storage warehouses
Food and chemical production facilities
Cold stores and freezers
Indoor parking
Outdoor Lighting

IK 04 | SDCM 3 | IP 20 | CRI >80

Parallel N

An efficient modular system excellent for functional lighting of large production halls. A luminaire designed to be installed in straight lines, made of aluminium, painted in white.

IK 10 | IP 65 | HT 50 | HT 60

Neptun Industry N

Our waterproof Neptun luminaire is now available in an even more resistant version, suitable for environments with extreme temperatures, from -25° to +60°C. Also available with lens 30°, 60°, 90°, AREA, ASY, D-ASY, Oval.

IK 08 | SDCM 3 | IP 65 | ⏚

Neptun Inox

Ultimate safety, strength, and durability with the improved waterproof luminaire. Engineered with a stainless steel body to surpass the highest industry standards and thrive in the most demanding industrial conditions.

IK 10 | SDCM 3 | IP 66 | ⏚

Neptun V2

Versatility and reliability combined in one efficient product. An improved, hermetically sealed luminaire, ideal for areas with dust, gas and humidity such as car parks and workshops. It is also suitable for outdoor use.

IK 10 | SDCM 3 | IP 65 | ⏚

Neptun GRP

Luminaire with a body made of polyester reinforced with glass. The use of this material provides luminaire with high resistance to thermal, mechanical, and chemical factors.

N New product - Check availability

Improved product

Atena Line V3

Production halls up to 7 m
Production halls above 7 m
Production halls with higher ambient temperatures (HT)

Low storage warehouses - continuation

High storage warehouses
Food and chemical production facilities
Cold stores and freezers
Indoor parking
Outdoor Lighting

IK 08 | E | IP 65

Atena Line V3

Industrial luminaire designed for ceiling, suspended or pole-and-arm mounting. The body made of a specially designed aluminium profile with a slimmer and lighter design compared to Atena Line LED standard version.

IK 08 | E | IP 65

Atena Line New Industry

Industrial luminaire designed for ceiling or suspended mounting. Body made of highly resistant aluminium profile to withstand conditions in demanding industrial spaces including temperatures from -25 to 50 Celsius.

IK 08 | E | IP 65

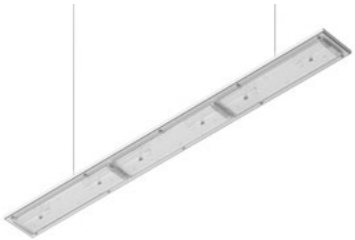
Atena Line New

Industrial luminaire designed for ceiling or suspended mounting. The body is made of highly resistant aluminium profile, perfect for harsh conditions in demanding industrial spaces including temperatures from -25 to 40 Celsius.

IK 10 | CRI 80 | IP 65

Nix

A series of waterproof LED luminaires with multiple mounting options: on walls, directly on ceilings or to be hung the ceiling. Specifically designed to illuminate rooms with high levels of humidity pollution and risk of impact.



IK 04 | E | IP 65

Agaline 3R

Agaline is an industrial modular system for installation in straight lines. It is perfect for lighting industrial facilities and warehouses that require uniform light.

IK 08 | SDCM 3 | IP 65

Atena Compact

Industrial luminaire mounted on pendants and equipped with high-efficiency LED sources. The body is made of cast aluminum, which also acts as a heat sink for the LED modules.

IK 04 | E | IP 20

Agaline

Agaline is a modern modular system to be installed in straight lines, which makes it perfect for lighting industrial facilities, warehouses and other large commercial spaces.

Bonanova N

Production halls up to 7 m
Production halls above 7 m
Production halls with higher ambient temperatures (HT)
Low storage warehouses

High storage warehouses

Food and chemical production facilities
Cold stores and freezers
Indoor parking
Outdoor Lighting

IK 04 | SDCM 3 | IP 20 | CRI >80

Parallel N

An efficient modular system excellent for functional lighting of large production halls. A luminaire designed to be installed in straight lines, made of aluminium, painted in white.

IK 10 | CRI >80 | IP 66 | HT 50

Bonanova N

Innovative industrial luminaire with versatile installation options. Sleek housing without external heatsinks. The ingenious design prevents dust and dirt buildup, for optimum performance and extended component lifespan.

IK 08 | E | IP 65

Atena Line New

Industrial luminaire designed for ceiling or suspended mounting. The body is made of highly resistant aluminium profile, perfect for harsh conditions in demanding industrial spaces including temperatures from -25 to 40 Celsius.

IK 08 | E | IP 65

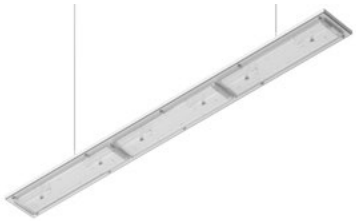
Atena Line New Industry

Industrial luminaire designed for ceiling or suspended mounting. Body made of highly resistant aluminium profile to withstand conditions in demanding industrial spaces including temperatures from -25 to 50 Celsius.

IK 08 | E | IP 65

Atena Line V3

Industrial luminaire designed for ceiling, suspended or pole-and-arm mounting. The body made of a specially designed aluminium profile with a slimmer and lighter design compared to Atena Line LED standard version.



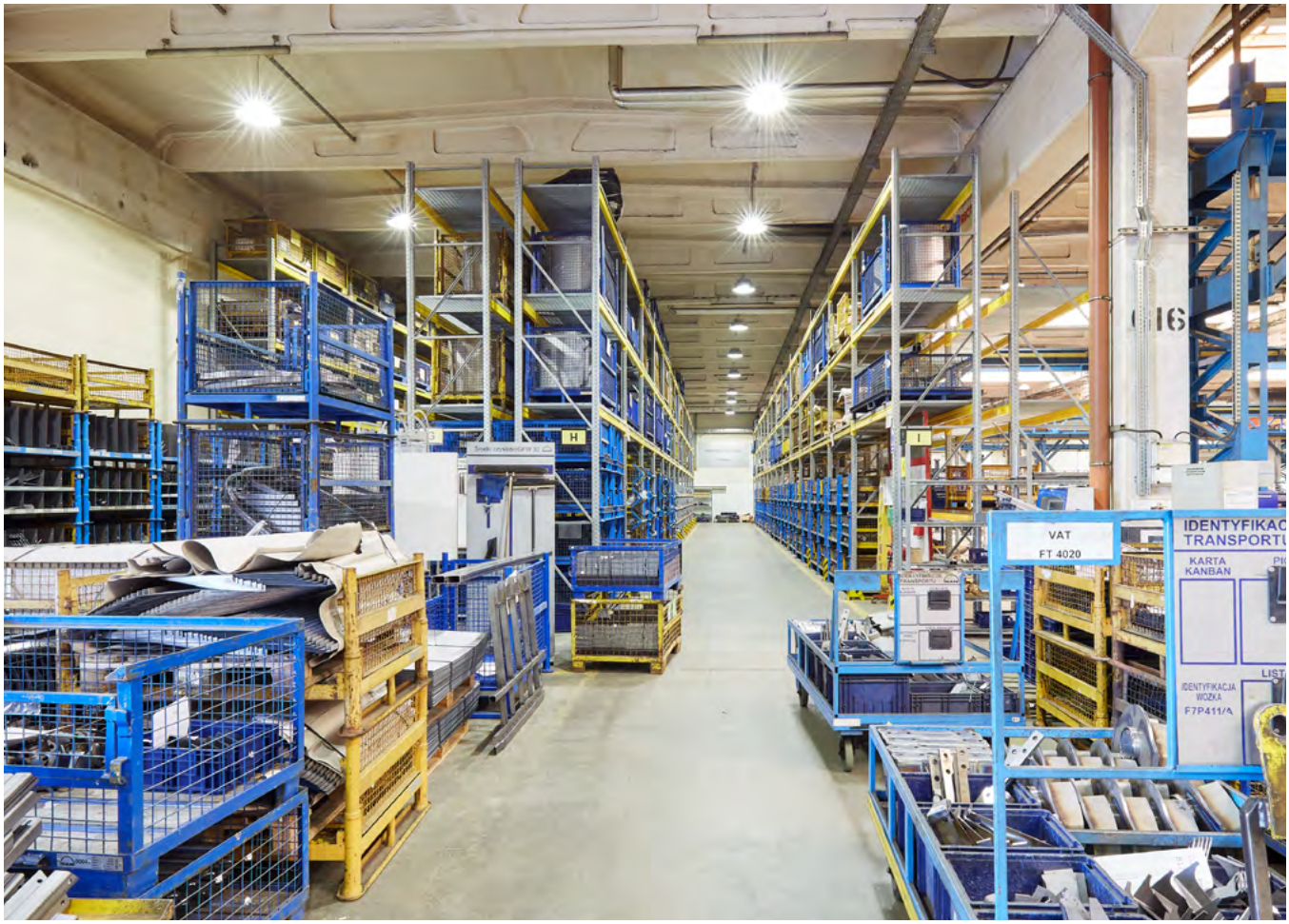
IK 04 | E | IP 65

Agaline 3R

Agaline is an industrial modular system for installation in straight lines. It is perfect for lighting industrial facilities and warehouses that require uniform light.

N New product - Check availability

Logistic Centre PSB, Wabrzezno. Poland



MAN Starachowice. Poland

Ariadna Thread Factory, Lodz. Poland

Agaline 3R

Production halls up to 7 m
Production halls above 7 m
Production halls with higher ambient temperatures (HT)
Low storage warehouses
High storage warehouses

Food and chemical production facilities

Cold stores and freezers
Indoor parking
Outdoor Lighting

IK 10 | CRI >80 | IP 66 | HT 50

Bonanova N

Innovative industrial luminaire with versatile installation options. Sleek housing without external heatsinks. The ingenious design prevents dust and dirt buildup, for optimum performance and extended component lifespan.

IK 10 | IP 65 | HT 50 | HT 60

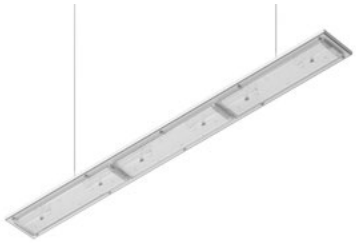
Neptun Industry N

Our waterproof Neptun luminaire is now available in an even more resistant version, suitable for environments with extreme temperatures, from -25° to +60°C. Also available with lens 30°, 60°, 90°, AREA, ASY, D-ASY, Oval.

IK 08 | E | IP 65 | ⏚

Atena Line V3

Industrial luminaire designed for ceiling, suspended or pole-and-arm mounting. The body made of a specially designed aluminium profile with a slimmer and lighter design compared to Atena Line LED standard version.



IK 04 | E | IP 65 | ⏚

Agaline 3R

Agaline is an industrial modular system for installation in straight lines. It is perfect for lighting industrial facilities and warehouses that require uniform light.

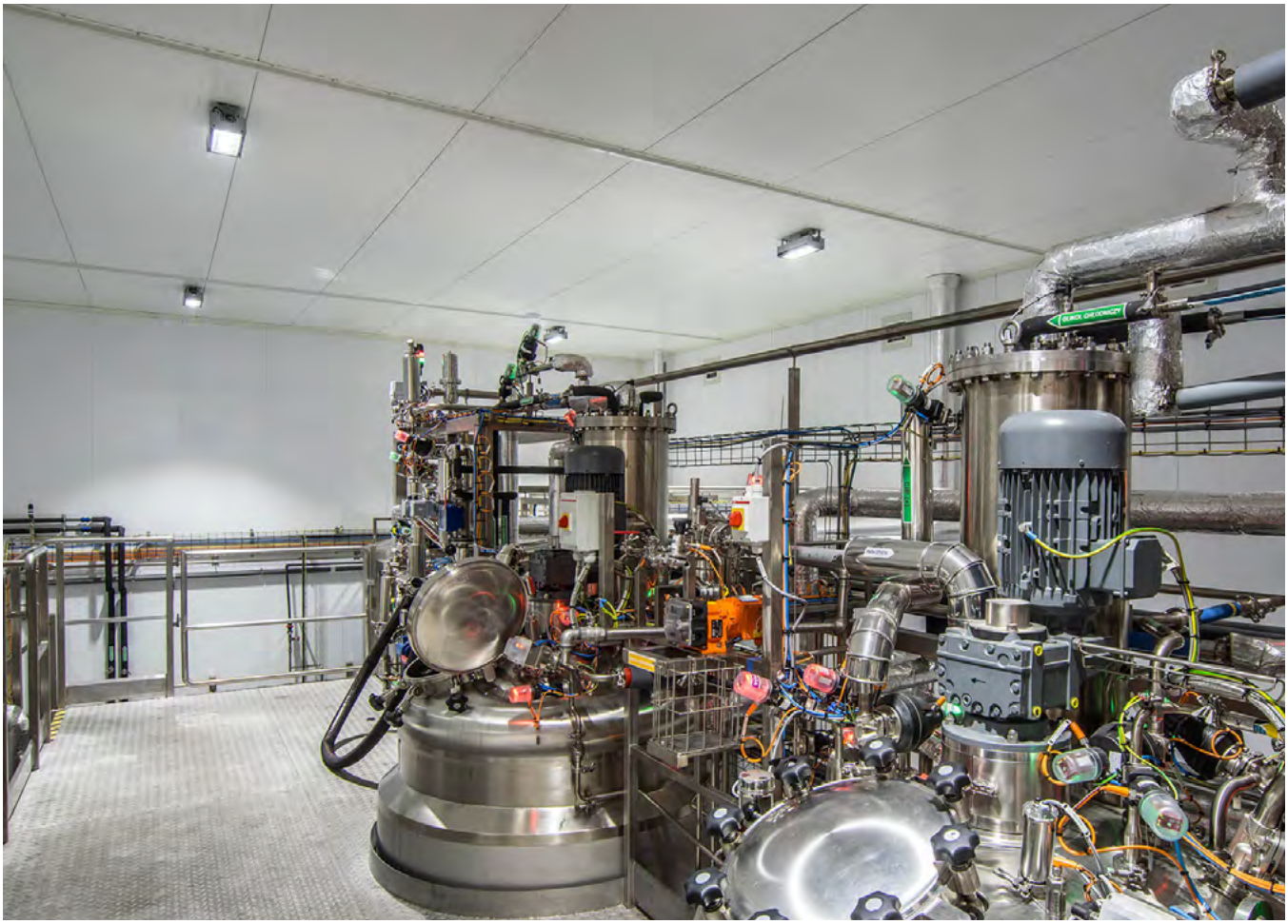
IK 08 | SDCM 3 | IP 65 | ⏚

Rubin Industry Slight

Luminaire designed for ceiling mounting. Highly efficient lenses make it an effective and energy-saving solution, perfect for illuminating large areas.

N New product - Check availability

Products represent a selection of lighting solutions. See the complete portfolio of our products at www.luxiona.com



Intermag, Olkusz. Poland

 KPS Food, Radom. Poland

Nitrogen Plant, Pulawy. Poland

Neptun Inox

Production halls up to 7 m
Production halls above 7 m
Production halls with higher ambient temperatures (HT)
Low storage warehouses
High storage warehouses
Food and chemical production facilities

Cold stores and freezers

Indoor parking
Outdoor Lighting

IK 10 | IP 65 | HT 50 | HT 60

Neptun Industry

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IK 10 | SDCM 3 | IP 66

Neptun V2

Versatility and reliability combined in one efficient product. An improved, hermetically sealed luminaire, ideal for areas with dust, gas and humidity such as car parks and workshops. It is also suitable for outdoor use.

IK 08 | SDCM 3 | IP 65

Neptun Inox

Ultimate safety, strength, and durability with the improved waterproof luminaire. Engineered with a stainless steel body to surpass the highest industry standards and thrive in the most demanding industrial conditions.

IK 10 | SDCM 3 | IP 65

Neptun GRP

Luminaire with a body made of polyester reinforced with glass. The use of this material provides luminaire with high resistance to thermal, mechanical, and chemical factors.

IK 10 | CRI 80 | IP 65

Nix

A series of waterproof LED luminaires with multiple mounting options: on walls, directly on ceilings or to be hung the ceiling. Specifically designed to illuminate rooms with high levels of humidity pollution and risk of impact.

IK 08 | SDCM 3 | IP 65

Rubin Industry Slight

Luminaire designed for ceiling mounting. Highly efficient lenses make it an effective and energy-saving solution, perfect for illuminating large areas.

N New product - Check availability
Improved product

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KPS Food, Radom. Poland

Neptun V2

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High storage warehouses
Food and chemical production facilities
Cold stores and freezers

Indoor parking

Outdoor

IK 10 | IP 65 | HT 50 | HT 60

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Our waterproof Neptun luminaire is now available in an even more resistant version, suitable for environments with extreme temperatures, from -25° to +60°C. Also available with lens 30°, 60°, 90°, AREA, ASY, D-ASY, Oval.

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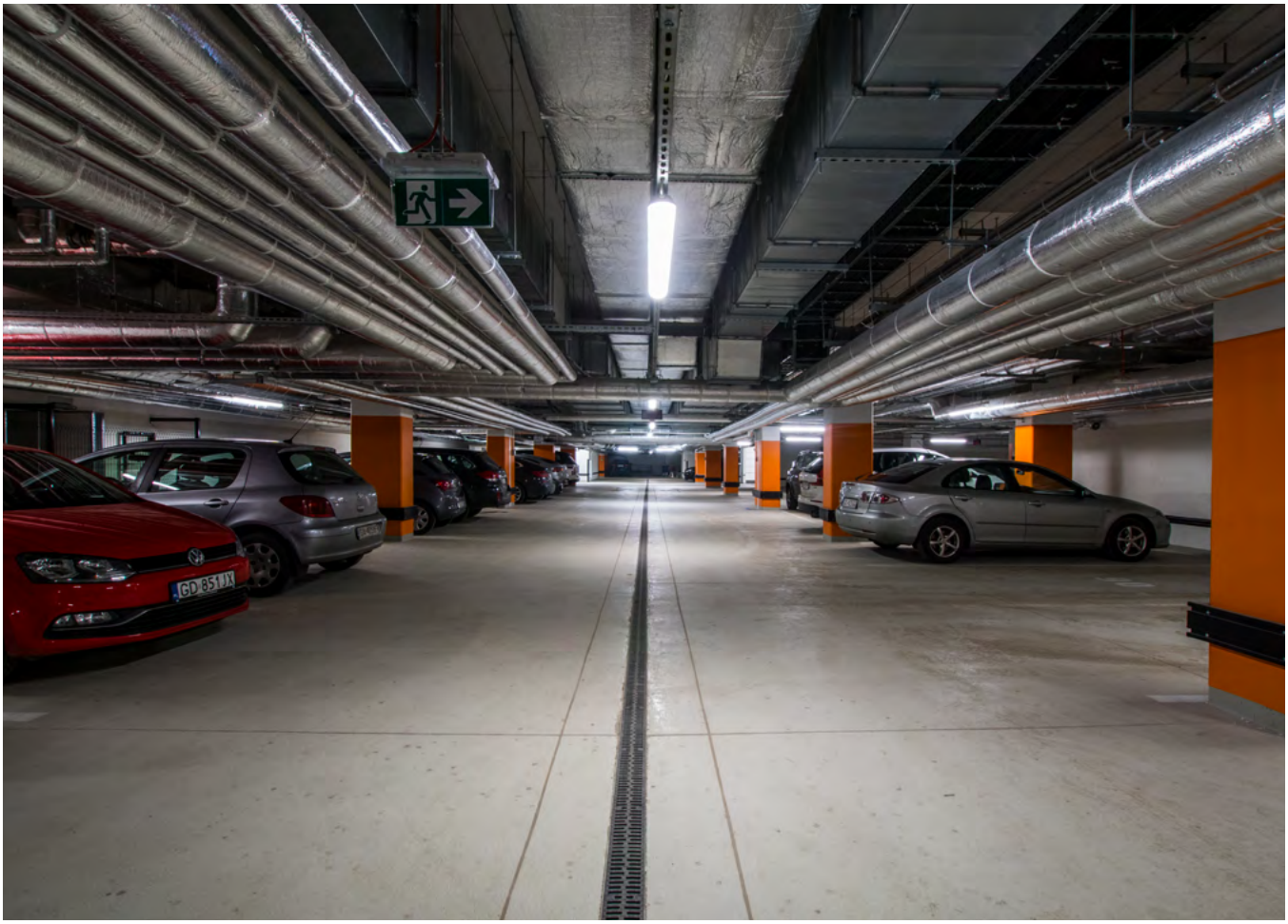
Improved product

Products represent a selection of lighting solutions. See the complete portfolio of our products at www.luxiona.com



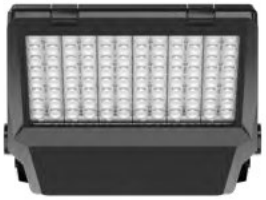
Non-Invasive Medicine Centre, The University Clinical Centre, Gdansk. Poland

NASK, Warsaw. Poland

Numancia Pro N

Production halls up to 7 m
Production halls above 7 m
Production halls with higher ambient temperatures (HT)
Low storage warehouses
High storage warehouses
Food and chemical production facilities
Cold stores and freezers
Indoor parking

Outdoor



IK 08 | SDCM 5 | IP 66 | ⏚

Numancia Pro N

Luminaire equipped with an optical system based on PMMA lenses and with a diffuser made of tempered glass. Multiple light distributions available: 30°, 60°, 90°, and narrow asymmetrical distribution. Designed for mounting on the surface of the wall or on a ceiling.

IK 10 | CRI >80 | IP 66 | HT 50

Bonanova N

Innovative industrial luminaire with versatile installation options. Sleek housing without external heatsinks. The ingenious design prevents dust and dirt buildup, for optimum performance and extended component lifespan.

IK 08 | SDCM 3 | IP 65 | ⏚

Atena Line New Outdoor Recessed

Universal industrial luminaire designed to be installed in ceilings and suspended panels. With a body equipped with a pressure-equalizing valve, the luminaire is perfect for outdoor conditions.

IK 08 | SDCM 3 | IP 65 | ⏚

Atena Line New Outdoor

Modern industrial luminaire designed for outdoor applications. As it is equipped with a pressure-equalizing valve, the luminaire works perfectly in outdoor conditions. Designed to be mounted on poles and mounting arms, as well as on ceiling or suspended.

N New product - Check availability

Products represent a selection of lighting solutions. See the complete portfolio of our products at www.luxiona.com

Nitrogen Plant, Pulawy. Poland

Print Group, Szczecin. Poland

Pepsico, Michrow. Poland

Selection of luminaires

Technical information summary

More standard versions are available at www.luxiona.com
Ask us for other variants different from those shown on our web in terms of light-gear-body.

Bonanova

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Bonanova	From 1071 to 22672	Up to 162,9	From 71 to 157,9	3000	Ø480 x 177
	From 11087 to 23797	Up to 168,6	From 71 to 157,9	4000	Ø480 x 177
	From 11087 to 23797	Up to 168,6	From 71 to 157,9	5700	Ø480 x 177

Parallel

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Parallel	From 3683.3 to 11608.7	Up to 160.9	From 26.5 to 76.6	4000	1142 x 70 x 50
					1710 x 70 x 50
					2270 x 70 x 50

Neptun Industry

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Neptun Industry LED	From 6572.1 to 20776,1	Up to 164,9	From 45.6 to 132	3000 or 4000	1163 x 115 x 110
					1563 x 115 x 110
Neptun Industry LED HT50	From 5242,6 to 16859	Up to 164,9	From 35.3 to 105.2	3000 or 4000	1163 x 115 x 110
					1563 x 115 x 110
Neptun Industry LED HT60	From 4254,4 to 12821,5	Up to 164,9	From 28 to 78.3	3000 or 4000	1163 x 115 x 110
					1563 x 115 x 110

Neptun Inox

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Neptun INOX LED	From 2894 to 14948	Up to 176.2	From 17.4 to 101.9	3000 or 4000	1283 x 120 x 72

Neptun GRP

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Neptun GRP	From 3927 to 7854	Up to 160	From 24.7 to 49.1	4000	1277 x 116 x 99

Neptun V2

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Neptun V2	From 1103 to 14890	Up to 181.7	From 7 to 97.4	3000 or 4000	620 x 72 x 60
					620 x 92 x 60
					1200 x 72 x 58
					1200 x 92 x 60
					1500 x 72 x 58
					1500 x 92 x 60

Atena Line V3

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Atena Line V3	From 7773.1 to 34775	Up to 188.4	From 53.1 to 204.3	4000	833 x 136 x 126
					1133 x 136 x 126

 Tables represent a selection of main references per each product family. See the complete portfolio of products and their technical data at www.luxiona.com

Atena Line New

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Atena Line New	From 14781 to 33005	Up to 159.4	From 105 to 210	4000 or 5000	430 x 201 x 150
					465 x 201 x 150
					588 x 201 x 150
					680 x 201 x 150

Atena Line New Industry

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Atena Line New Industry	From 13604 to 29936	Up to 136.1	From 110 to 233	5000	465 x 201 x 150
					680 x 201 x 150
					785 x 201 x 150
					885 x 201 x 150

Agaline 3R

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Agaline 3R	From 10601 to 21566	Up to 138.2	From 78 to 157	4000 or 5000	940 x 95 x 68
					1250 x 95 x 68
					1550 x 95 x 68
					1860 x 95 x 68

Atena Compact

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Atena Compact	From 15300 to 33560	Up to 173	From 98 to 195	4000	Ø295 x 102
					Ø350 x 105
					Ø400 x 108

Agaline

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Agaline	From 3354 to 40734	Up to 142.9	From 29 to 286	4000	565 x 56 x 45
					565 x 162 x 75
					1125 x 56 x 45
					1125 x 162 x 75
					1685 x 56 x 45
					1685 x 162 x 75
					2245 x 56 x 45
					2245 x 162 x 75
					2805 x 56 x 45
					2805 x 162 x 75

Rubin Industry Slight

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Rubin Industry Slight	From 19975 to 20999	Up to 122.8	171	4000	1270 x 320 x 55

Universal Line IP65

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Universal Line IP65	From 3434 to 12532	Up to 154.4	From 24.7 to 106	4000	1159 x 60 x 75
					2288 x 60 x 75

Nix

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Nix	From 1298 to 7123	Up to 122.2	From 12 to 66	4000	600 x 99 x 70
					1200 x 99 x 70
					1500 x 99 x 70

Tables represent a selection of main references per each product family. See the complete portfolio of products and their technical data at www.luxiona.com

LUXIONA worldwide

Commercial offices:
Spain, Poland, France, Italy, Germany

Logistics Centre:
Spain, China

Production:
Poland / Spain (emergency)

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