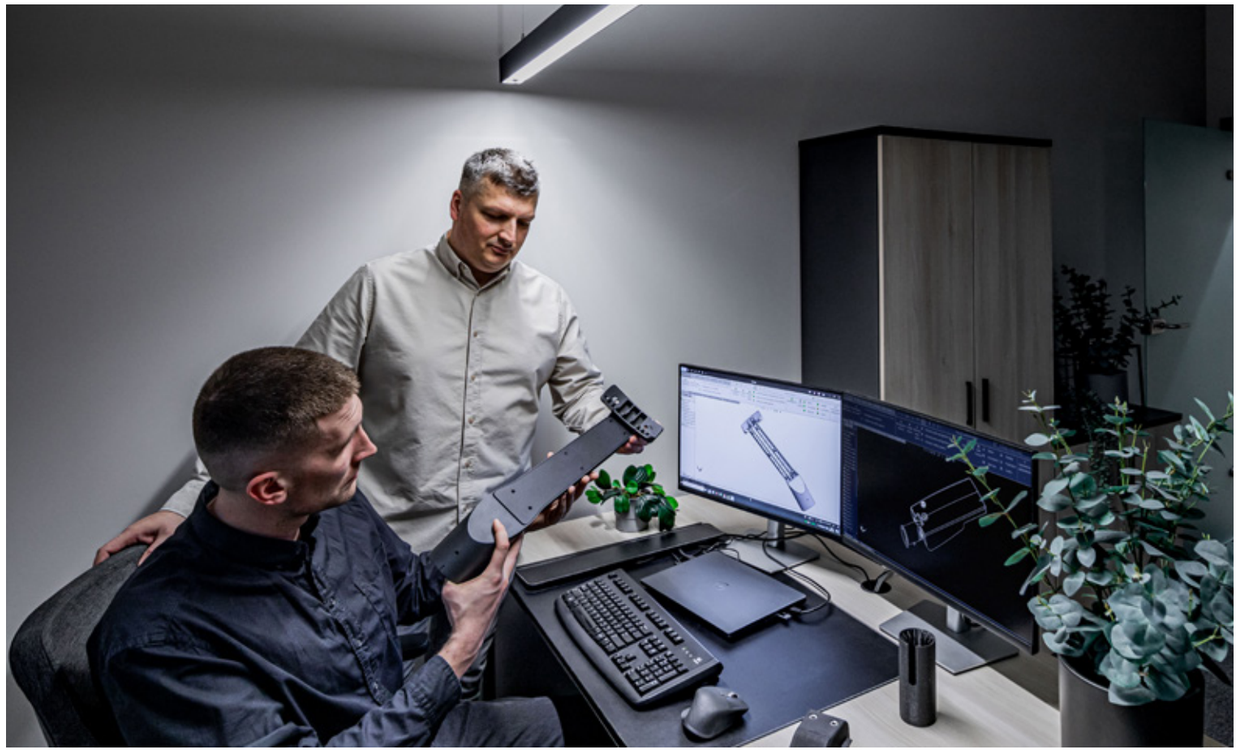
LENA
LIGHTING



LIGHT

THAT SUPPORTS HEALTH



Values that help us
achieve our goals through our everyday
work for our customers.

Passion and professionalism

Our company grew out of a fascination with light. Over the years, we have built up the knowledge and expertise that enable us to design and manufacture even the most advanced lighting systems.

Inspiration and design

We make sure our products stand out not only for their excellent performance, but also for their exceptional design. We believe that the spaces around us have a real impact on how we feel. With this in mind, we create our products.

Innovation and development

We offer technologically advanced solutions. We continuously invest in our research centre and state-of-the-art production lines. We continue to evolve as technology advances.

Sustainable development

We have placed environmental management at the heart of our operations, implementing a system that minimises our environmental impact. We hold ISO 14001 certification.

PRECISE MEDICAL LIGHTING

Precise, safe and reliable lighting solutions that support medical teams in their daily work and enhance patient comfort.

Lena Lighting's designers develop specialist medical lighting systems for operating theatres, treatment rooms, hospital wards and diagnostic areas. Every solution is developed in line with rigorous medical standards and the highest standards of light quality.

LUMEDIC luminaires are Clean Room certified, confirming low particle emission and suitability for use in ISO Class 3-9 clean rooms according to ISO 14644-1, ensuring safety in the most demanding medical and laboratory environments.



CLEANLINESS ENGINEERED INTO THE LUMINAIRE DESIGN

In environments where absolute control over every micron matters, a clean room means a precisely defined number of airborne particles.

In Clean Room environments, maintaining a precisely defined level of airborne particles is fundamental to safety. LUMEDIC luminaires have been designed for the most demanding Clean Room environments. Certified compliance with ISO 14644-14 (ISO Classes 3-9) confirms that the installation meets stringent hygiene requirements.

By choosing the LUMEDIC line, you choose a design that withstands intensive use and frequent disinfection, helping prevent contamination of the working environment by the luminaires themselves.

1-2
cleanliness class



The highest air cleanliness class, used in semiconductor manufacturing, nanoelectronics and advanced integrated-circuit production. Also required in the manufacture of laser devices and precision optics. Even a single particle can irreversibly damage a product or process.

3-4
cleanliness class



Highly demanding environments with extremely low contamination levels. Used in pharmaceutical manufacturing (aseptic processes, weighing, filling), the semiconductor industry, and the production of advanced electronics and optics.

5-6
cleanliness class



High-cleanliness areas used in operating theatres, microbiological laboratories, and the production of medical devices and precision electronics. These also cover the chemical and cosmetics industries, as well as sterilisation and aseptic packaging processes.

7-9
cleanliness class



Environments with standard clean room requirements, used in the food, chemical and plastics industries, as well as in preparatory processes and initial production. They are also used in clean warehouses and packaging zones where contamination control is essential.

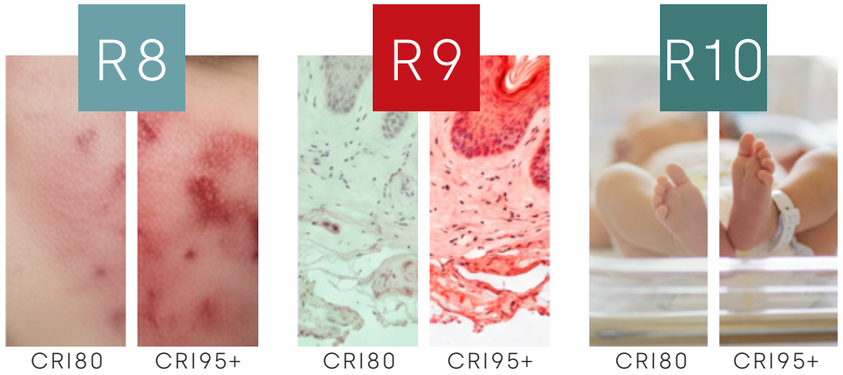
COLOUR RENDERING PRECISION

CRI (Colour Rendering Index) is one of the most important lighting parameters.

The white light we see every day is a mixture of many rainbow colours. When one of them is missing, illuminated objects may appear unnatural or pale. To assess light quality, 15 colour samples were defined for comparison with reference daylight on a scale from 0 to 100, where 100 indicates a perfect match.

Samples R1-R8 include pastel colours and are used to calculate the main Ra index. Samples R9-R15 are saturated and special colours, including intense red, blue and human skin tones.

The standard Ra index omits the most critical diagnostic colours - deep red (R9) and skin tones (R13 and R15). These colours determine whether a doctor can correctly assess a patient's condition. In medical lighting, the full spectrum matters - not only Ra 1-8, but also the R9-R15 indices.







Generated using AI.



Indicator	Description of the test color	Medical significance
R1	Light greyish pink	Basic assessment of skin tone and the patient's general appearance under general lighting.
R2	Dark yellow	Important for assessing colour variations in plasma, body fluids and certain secretions in laboratory conditions.
R3	Strong yellow-green	Supports soft-tissue diagnostics and assessment of changes within the abdominal cavity.
R4	Medium yellow-green	Crucial for analysing contrast and detail during endoscopic and laparoscopic procedures.
R5	Light blue-green	Affects the perception of blood vessels of smaller calibre and subcutaneous veins (important for cannulation).
R6	Light blue	Critical for detecting early symptoms of cyanosis by assessing mucous membrane colouration.
R7	Light violet	Supports assessment of the extent and depth of haematomas, bruises and subcutaneous petechiae.
R8	Light purplish pink	Very important in aesthetic dermatology and in the assessment of haemangiomas and erythema.
R9	Deep red	CRITICAL IN SURGERY. Enables precise differentiation of tissues, blood vessels and nerves. Low R9 makes blood appear brownish, making it more difficult to identify bleeding.
R10	Strong yellow	Essential in jaundice diagnostics, especially in newborns (neonatology), as well as in the assessment of liver function.
R11	Strong green	Used in advanced laboratory techniques and with fluorescence microscopes.
R12	Strong blue	Supports visual analysis of oxygen saturation and the localisation of peripheral veins in difficult lighting conditions.
R13	Caucasian skin	CRITICAL FOR GENERAL DIAGNOSTICS. Enables doctors to immediately assess a patient's condition based on the natural appearance of the skin.
R14	Leaf green	Less critical from a strictly medical perspective, but it affects psychological comfort and the aesthetics of the environment (Human Centric Lighting).
R15	Asian skin	Crucial for reliable patient assessment across diverse ethnic groups, helping eliminate the risk of incorrect skin tone evaluation.

standard sample

special sample

critical sample

WHY IS LIGHTING IN HEALTHCARE FACILITIES SO IMPORTANT?

Lighting in healthcare facilities is a critical element of both the clinical working environment and the patient experience.

Unlike many other types of buildings, a hospital operates 24/7, serves various user groups (patients, staff, visitors), and contains rooms with highly diverse functions - from operating theatres and ICUs to patient rooms and circulation areas.

For this reason, lighting must address multiple requirements at once:

- clinical requirements (diagnostic and procedural safety)
- psychological requirements (stress reduction)
- biological requirements (circadian rhythm)
- hygienic requirements (disinfection/clean room)
- operational requirements (maintenance without downtime)
- economic requirements (life cycle cost).



Patients' psychological comfort and stress reduction

Lighting affects patients' emotional state and therefore indirectly influences treatment outcomes. Light characteristics (colour, luminance distribution, glare control and the ability to create scenes) affect the patient's stress and anxiety levels and indirectly influence diagnostics and treatment.

In spaces such as waiting areas, reception desks and circulation routes, lighting can improve the sense of safety and trust, while in diagnostic imaging rooms, properly designed lighting scenes can reduce tension, facilitate patient cooperation and improve the perception of the space. Bright, clear and "friendly" interiors also support the facility's image and the subjective perception of care quality.



Medical lighting is a clinical safety tool

Doctors and nurses perform highly responsible tasks that require precision and visual assessment. Good lighting reduces fatigue, minimises the risk of errors and improves concentration during long shifts. In clinical zones, key factors include: high illuminance levels (depending on the task), excellent colour rendering (in practice often CRI/Ra ≥ 90, and for critical tasks, analysis of individual colour values such as R9 and spectral indices), glare and reflection control, as well as flicker control (TLA) - especially when dimming or working with cameras. Night lighting must enable patient observation while avoiding disruption to sleep.

APPLICATION AREAS



1	Operating theatres (general lighting)	1000 lx	Ra ≥ 90
2	Patient rooms	200 - 300 lx	Ra ≥ 80
3	Treatment rooms	500 - 1000 lx	Ra ≥ 90
4	Doctors' offices and staff rooms	500 lx	Ra ≥ 80
5	Entrance halls and reception areas	200 - 300 lx	Ra ≥ 80
6	Corridors and staircases	100 - 200 lx	Ra ≥ 80
7	Waiting areas	200 lx	Ra ≥ 80
8	Sanitary facilities	200 lx	Ra ≥ 80
9	Sterilisation rooms	500 lx	Ra ≥ 90
10	Medicine and supplies storage rooms	300 - 500 lx	Ra ≥ 80
11	Hospital kitchens and laundries	500 lx	Ra ≥ 80
12	Airlocks	200 - 300 lx	Ra ≥ 80
13	Outdoor/indoor parking areas	75 - 150 lx	Ra ≥ 60

1 OPERATING THEATRES
(GENERAL LIGHTING)

In many hospital areas, lighting is part of the infection control system. Luminaires should minimise the accumulation of contaminants (smooth surfaces, no gaps), be resistant to disinfectants and - in areas subject to stricter hygiene regimes - comply with clean room standards according to ISO 14644 classification. In operating theatres and intensive care units, higher ingress protection, disinfectable design and solutions that reduce reflections (e.g. anti-reflective coatings) are often required, while chemical resistance must be maintained.



Lumedic CRI95

mounting method	flush-mounted
body material	powder-coated steel
dimensions [mm]	595/595/65
key features	IK09 clean room area tempered glass

2 PATIENT ROOMS





Lumedic SM

mounting method	flush-mounted
body material	powder-coated steel
dimensions [mm]	595/595/65
key features	IK09 clean room area tempered glass

Compact IP65

mounting method	surface-mounted flush-mounted
body material	ABS
dimensions [mm]	595/595/71, 620/620/66
key features	IP65 IK07 OPAL/nPRM

3 TREATMENT ROOMS





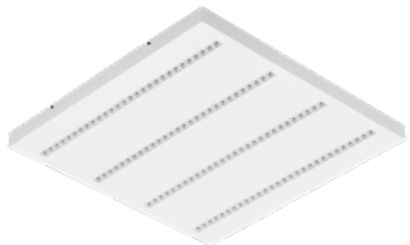
Compact Hygienic

mounting method	surface-mounted flush-mounted
body material	ABS with silver ions (2%)
dimensions [mm]	595/595/71, 620/620/66
key features	silver ions BIOMASTER IP65

Lumedic CRI95

mounting method	flush-mounted
body material	powder-coated steel
dimensions [mm]	595/595/65
key features	IK09 clean room area tempered glass

4 DOCTORS' OFFICES AND STAFF ROOMS





Terra 3

mounting method	flush-mounted, suspended, sur-face-mounted
body material	powder-coated steel
dimensions [mm]	595/295/32, 595/595/32, 1195/295/32
key features	UGR HE louvre SDCM≤3

Baris 40 LED UGR Plus

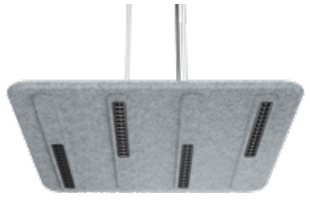
mounting method	suspended, surface-mounted
body material	aluminium
dimensions [mm]	1140/53/40, 1421/53/40
key features	UGR<19 DALI lens with louvre

5 ENTRANCE HALLS AND RECEPTION AREAS



Sizzano

mounting method	suspended
body material	steel
dimensions [mm]	Ø970/80 / Ø630/50
key features	MULTILED DIMM-DALI two diameters



Terra Balance

mounting method	suspended, surface-mounted, flush-mounted
body material	ecoPET / steel
dimensions [mm]	600/600/50, 1200/600/52,
key features	UGR<19 recycling moisture resistance

6 CORRIDORS AND STAIRCASES



Baris 40 LED

mounting method	surface-mounted suspended
body material	aluminium
dimensions [mm]	1140/53/40, 1421/53/40, 860/53/40, 579/53/40
key features	UGR IP44 lighting lines IoT



Contra 400

mounting method	surface-mounted
body material	powder-coated aluminium
dimensions [mm]	400/400/39
key features	4 brightness levels switch

7 WAITING AREAS



Baris 52 DIR/IND

mounting method	suspended
body material	aluminium
dimensions [mm]	1143, 1423, 2263/52/69
key features	OPAL/PRM IoT indirect light



Baris Square 40

mounting method	suspended
body material	aluminium
dimensions [mm]	1143, 1423, 2263/52/69
key features	OPAL/PRM IoT indirect light

8 SANITARY FACILITIES



RQ 160 LED N

mounting method	surface-mounted
body material	ABS
dimensions [mm]	Ø166/86, Ø171/97
key features	IK08 3 diffuser types



Tiunne LED

mounting method	flush-mounted
body material	powder-coated aluminium
dimensions [mm]	Ø215/108.5, Ø170/98, Ø96/73
key features	UGR<14 15°/60° beam distribution COB

9 STERILISATION ROOMS





Lumedic SM

mounting method	flush-mounted
body material	powder-coated steel
dimensions [mm]	595/595/65
key features	IK09 frame tempered glass

Tuba IP69K

mounting method	surface-mounted suspended
body material	stainless steel
dimensions [mm]	1250, 1281, 697, 661, 660/64.5
key features	IP69K IK10 diffuser transparent

10 MEDICINE AND SUPPLIES STORAGE ROOMS





Tytan 2 LED

mounting method	surface-mounted suspended
body material	PC
dimensions [mm]	1152/85/80, 1432/85/80
key features	IP66 IK09 replaceable module

Industry IP66

mounting method	surface-mounted suspended
body material	aluminium
dimensions [mm]	575/63/55, 1150/63/55, 1450/63/55
key features	IP66 IK08 tempered glass

11 HOSPITAL KITCHENS AND LAUNDRIES





Compact IP65

mounting method	surface-mounted suspended
body material	aluminium
dimensions [mm]	575/63/55, 1150/63/55, 1450/63/55
key features	IP65 IK08 tempered glass

Tytan LED PRO

mounting method	surface-mounted suspended
body material	PC
dimensions [mm]	1152/85/80, 1432/85/80
key features	IP66 IK09 HACCP 178 lm/W replaceable module

12 AIRLOCKS





Lumedic SM

mounting method	flush-mounted
body material	powder-coated steel
dimensions [mm]	595/595/65
key features	IK09 frame, tempered glass

UV-C Sterilon

mounting method	surface-mounted
body material	powder-coated steel
dimensions [mm]	595/595/50
key features	UV-C disinfection general lighting

13 OUTDOOR/INDOOR PARKING AREAS



Strado LED

mounting method	to a pole, on a boom
body material	aluminium
dimensions [mm]	385/265/60
key features	IP65 IK08 tempered glass



Skver LED PRO

mounting method	post-top, suspended
body material	aluminium
dimensions [mm]	Ø520, Ø620
key features	Zhaga ENEC DarkSky modular



Tytan Steel LED

mounting method	surface-mounted suspended
body material	steel/PC
dimensions [mm]	600/57/45, 1188/57/45
key features	IP66 IK06 fast installation, 169 lm/W



Mimo 2 LED

mounting method	surface-mounted suspended
body material	PC
dimensions [mm]	1230/45/50, 1510/45/50, 670/45/50
key features	IP66 IK06 through-wiring

LET'S STAY SAFE EVERY DAY!

Meet an exceptionally efficient air disinfection device. Thanks to UV-C technology proven for over 100 years, devices from the STERILON line achieve nearly 100% effectiveness in eliminating viruses, bacteria and fungi (according to DIN/TS 67506) - including coronaviruses (SARS-CoV-2), influenza, avian influenza, rotaviruses, adenoviruses, monkeypox, chickenpox and smallpox.

Model	Time	Reduction of microorgan-isms	Reduction of fungi and moulds
Flow 72 W	2 h	>70%	>70%
Flow 72 W	20 h	~98%	~98%
Air 144 W	2 h	~90%	>75%
Air 144 W	18 h	>97%	93%

The devices were tested by the independent Wacław Dąbrowski Institute of Agricultural and Food Biotechnology in Łódź.

UV-C

GMBU

The test was carried out according to the DIN/TS 67506 standard





UV-C Sterilon HEPA



mounting method	free-standing, wall-mounted
max. room size	100 m²
max. air flow through the device	200 m³/h
key features	HEPA H13 + carbon filter, LCD panel

UV-C Sterilon FLOW



mounting method	free-standing, wall-mounted
max. room size	40 m² (144W) 25 m² (72W)
max. air flow through the device	200 m³/h
key features	ECO mode, HEPA filter compart-ment, Red Dot Winner 2022

UV-C Sterilon AIR



mounting method	free-standing, wall-mounted
max. room size	50 m² (144W) 30 m² (72W)
max. air flow through the device	220 m³/h
key features	DC fan, ECO mode, low weight

UV-C Sterilon SQUARE



mounting method	flush-mounted surface-mounted suspended
max. room size	30 m²
max. air flow through the device	240 m³/h
key features	two fans

LIGHT THAT SUPPORTS HEALTH



LUMEDIC

LIGHT THAT SUPPORTS HEALTH

IP 65 IK 09



LUMEDIC

A specialist Clean Room luminaire designed for environments where cleanliness and sterility are prerequisites for safe operation - not optional extras.

The Lumedic series responds to the growing demand for lighting dedicated to cleanroom and other clean environments. The luminaires comply with ISO 14644-1 cleanliness classes 3-9 and provide a high degree of sealing - IP65 on the room side and IP50 on the technical ceiling void side, helping maintain sterile conditions. These models also offer a very high colour rendering index of CRI > 95.

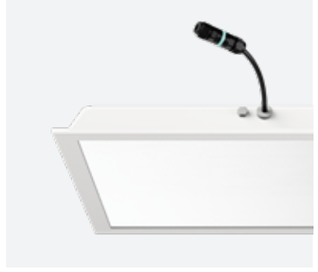
Designed for demanding medical environments - operating theatres, sterilisation rooms and laboratories - Lumedic combines clinical functionality with industrial durability. This is lighting designed to work reliably in the background, allowing staff to focus on what matters most.

LUMEDIC



ISO 3-9 cleanliness classes

The luminaire complies with ISO 14644-1 requirements for ISO Classes 3-9, enabling use both in environments subject to the strictest hygiene regimes and in standard medical areas.



High sealing performance and hygienic design

Full IP65 protection on the room side and IP50 protection on the technical ceiling void side prevents the ingress of particles and moisture while maintaining unrestricted ventilation airflow.



Service access (top access)

The design provides safe service access from the technical ceiling void (top inspection access), minimising interference with room sterility.

WELL-THOUGHT-OUT DESIGN

Despite the robust construction and greater weight of the luminaires, the mounting system has been designed for quick, safe and convenient installation, as well as easy servicing at a later stage.

Key solutions:

- Safety cables - protect the luminaire from falling during installation and servicing
- Protective glass film - in the event of damage, it holds glass fragments together, increasing safety
- Quick connectors - fast, trouble-free electrical connection
- Various mounting methods - adaptable to ceiling types (recessed, surface-mounted, modular)
- Easy luminaire inspection access - quick access to the interior without dismantling the entire luminaire. Reduced maintenance and inspection time, with convenient component replacement.

As a result, the luminaires combine installation safety, installer-friendly ergonomics and efficient servicing, which is essential in demanding medical environments.

CRI (COLOUR RENDERING INDEX)

It is one of the key parameters of lighting quality. The higher the CRI value, the more realistic and natural the colours perceived by the eye appear. They are close to the shades perceived under reference light (daylight) conditions.

The colour rendering index is determined using 15 test colour samples, or indices. The standard Ra index omits the most critical diagnostic colours - deep red (R9) and skin tones (R13 and R15). These colours determine whether a doctor can correctly assess a patient's condition. In medical lighting, the full spectrum matters - not only Ra 1-8, but also the R9-R15 indices.

The vast majority of Ra95 luminaires reproduce only the eight test colours required by the standard.

For the Lumedic line, faithful reproduction of all fifteen indices has been tested and confirmed.

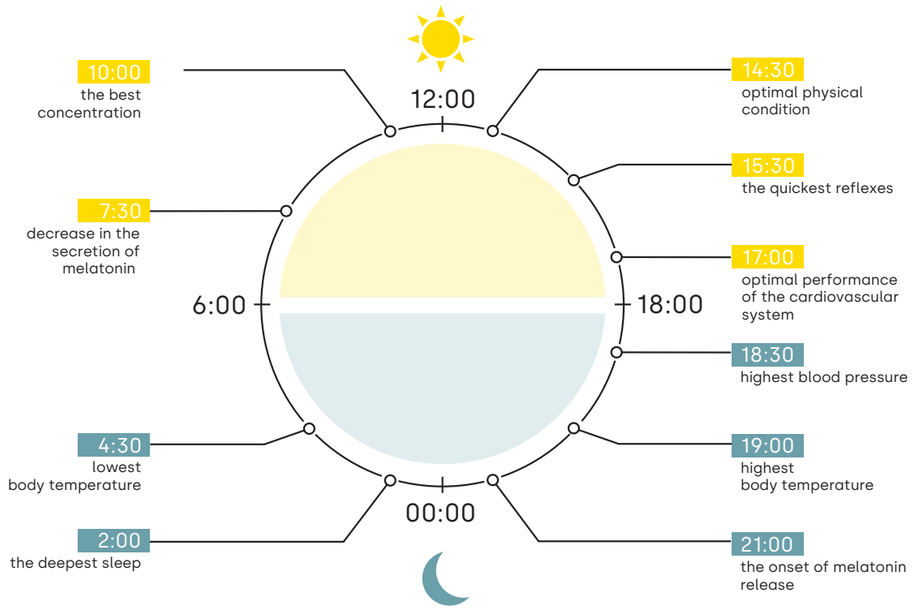
Lumedic is characterised, for example, by very high values of R9 = 94.7 and R13 = 98.9. The R9 parameter, responsible for the reproduction of saturated reds, is essential in medical diagnostics and laboratory analyses, where precise differentiation of blood and tissue shades is required. In turn, R13 ensures faithful reproduction of skin tones and light surfaces, supporting visual working comfort and minimising the risk of incorrect visual assessment in environments with the highest hygiene requirements.

LUMEDIC CRI95



Generated using AI.

HUMAN CENTRIC LIGHTING AND DAY-LIGHT HARVESTING



Light directly affects human biological processes: circadian rhythm (including melatonin and cortisol regulation), sleep and recovery, concentration and alertness, as well as subjective well-being. In healthcare, this is of practical importance, especially for long-term patients, older patients and intensive care patients, who spend many hours with limited access to daylight. As a result, lighting becomes part of environmental therapy - supporting recovery and functioning, rather than merely serving as "infrastructure" that meets minimum illuminance requirements.

HUMAN CENTRIC LIGHTING SOLUTIONS ADJUST THE COLOUR TEMPERATURE AND LIGHT INTENSITY ACCORDING TO THE TIME OF DAY.

In modern design, the Human Centric Lighting (HCL) approach is increasingly used, taking into account the biological effects of light and the fact that the "light dose" has a temporal dimension. The key parameters include: changes in light intensity throughout the day, changes in colour temperature (typically cooler/neutral during the day and warmer in the evening and at night), and the direction of light distribution (front and overhead illumination, vertical/facial illumination) - all while reducing glare. Dynamic lighting can improve sleep, reduce disorientation and support daytime activity, which is particularly important in geriatric wards, psychiatric care, intensive care units and for shift-working staff.

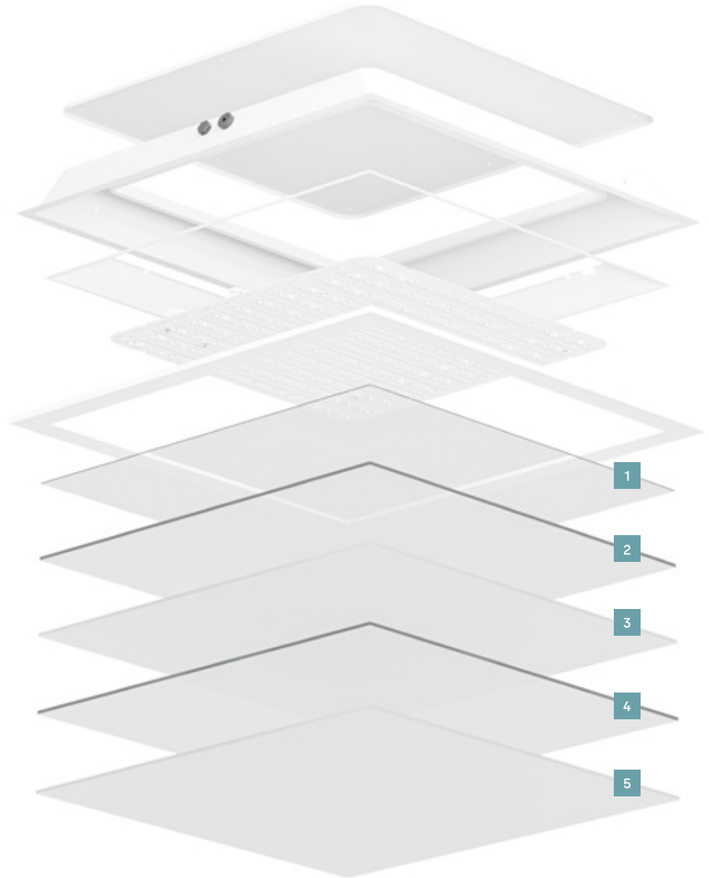
LUMEDIC luminaires support not only Human Centric Lighting solutions, but also RGBW mode, allowing light colour adjustment directly from the switch, as well as DALI protocol control.

The Daylight Harvesting system complements the solution - sensors monitor daylight levels and automatically regulate luminaire operation, maintaining appropriate lighting conditions while reducing energy consumption and CO_2 emissions.

FLEXIBILITY TAILORED TO THE SPACE

Diffuser selection directly affects glare, reflections and the visual comfort of both staff and patients. In hospitals, the same luminaires must simultaneously meet hygiene and clinical requirements - the choice between glass, microprismatic and opal diffusers is driven by room function, not aesthetics.

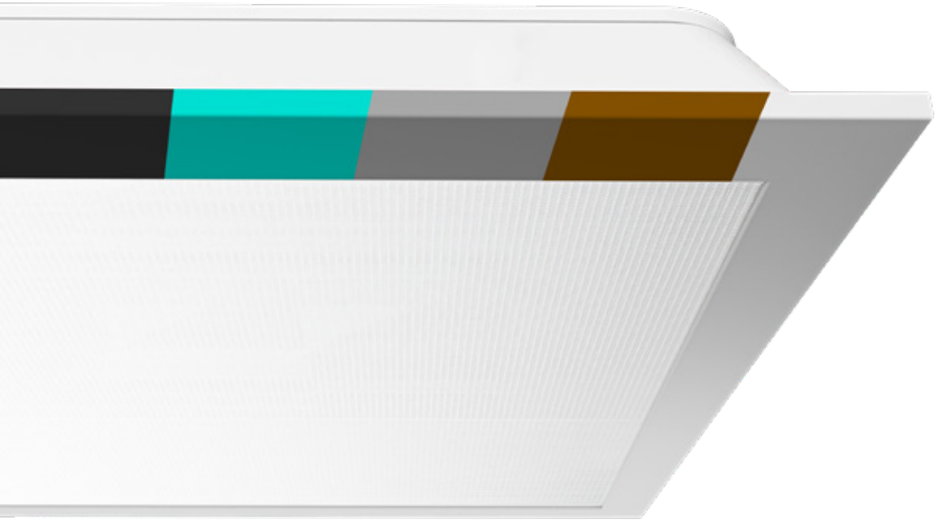
	Material	Characteristics
1	Prismatic diffuser (PRM) / Opal diffuser	PRM diffusers reduce glare (UGR) while maintaining high Ēm levels - recommended for staff workstations and areas with monitors. Opal provides soft, uniform light with low luminance - recommended for patient rooms, waiting areas and long-term care facilities.
2	Tempered glass	High mechanical (IK09) and chemical resistance - withstands aggressive disinfectants. Transparent and does not alter the optical characteristics. Recommended for clean zones (operating theatres, sterilisation rooms), where airtightness and durability are key priorities.
3	Frosted tempered glass	Diffuses light, reducing the point-source effect of LEDs and lowering the luminance of the emitting surface. Recommended for patient rooms, geriatric wards and long-term care facilities, where soft, uniform light distribution and patient comfort when lying down are essential.
4	Laminated tempered glass	In the event of breakage, fragments are held together by the film, eliminating the risk of injury while maintaining the chemical resistance of glass. Recommended for paediatric and psychiatric areas, where minimising the risk of injury is required.
5	Anti-reflective tempered glass	The coating minimises reflections on the diffuser surface, reducing glare on monitors and medical equipment. Recommended for operating theatres, ICUs/emergency departments and diagnostic rooms, where screen readability affects procedural safety.



Configuration options:

- combining diffuser layers (e.g. glass + film) to provide chemical resistance while maintaining visual comfort
- matching the optics to the zone: requirements differ for monitor workstations, patient rooms and operating theatres
- balancing airtightness (hygiene, IP rating), material durability and glare/reflection reduction (UGR)

DURABILITY CONFIRMED BY PERFORMANCE PARAMETERS





THE COMBINATION OF DURABLE CONSTRUCTION AND CUSTOMISABLE AESTHETICS MEANS THAT THE LUMINAIRES MEET BOTH THE TECHNICAL AND VISUAL REQUIREMENTS OF MODERN SPACES.

Alkaline, alcohol-based, chlorine-based and acidic agents - the luminaire must withstand them all:

Construction:

- steel housing - welded or pressed depending on the version
- high rigidity and resistance to deformation
- designed for intensive use

Mechanical resistance:

- IK09 - high impact resistance
- enhanced safety in high-traffic areas

Chemical resistance:

- resistance to alcohol, chlorine and alkaline agents
- without surface matting or gasket degradation
- compatibility confirmed in manufacturer documentation

Customisation:

- frame customisation - choice of colour available
- aligned with the interior's visual identity
- particularly important in beauty, wellness and premium spaces

The robust steel housing provides high mechanical resistance, while smooth, gap-free surfaces eliminate areas where contaminants may accumulate.

The ability to paint the luminaire in any RAL colour allows its appearance to be matched to the interior while ensuring resistance to environmental conditions.

The luminaire is compatible with laminar airflow systems, enabling free airflow above suspended ceilings without disrupting clean room conditions.



Parameter	SM version	SMR version	SWR version
Ceiling type	modular	modular	reinforced
Service access	✗	✓	✓
Glass/Opal diffuser	✓	✓	✓
Glass/PRM diffuser	✓	✓	✓
Glass/Opal/ PRM diffuser	✓	✓	✓
Clip-in mount-ing*	✓	✓	✓

* The clip-in mounting system used in luminaires is designed for modular ceilings: the luminaire clips quickly and securely into the ceiling structure, creating a coherent, aesthetically integrated surface.

ADAPTING LUMI-NAIRES TO CEILING STRUCTURES

The LUMEDIC family offers several luminaire versions (SM, SMR, SWR) designed for specific ceiling types and installation requirements - while maintaining consistent lighting and dimensional parameters.

Selecting the right luminaire for the ceiling structure is one of the key stages in designing lighting for medical facilities. The LUMEDIC family meets these requirements with three mounting versions - SM, SMR and SWR - tailored to different ceiling types and installation requirements while maintaining identical lighting and dimensional parameters.

- LUMEDIC SM - a framed recessed version, providing an aesthetic, airtight ceiling finish in areas with increased hygiene requirements
- LUMEDIC SMR - a recessed luminaire for modular ceilings, with service access from the technical ceiling void (top access) without disturbing the clean zone
- LUMEDIC SWR - a recessed luminaire for technical and reinforced ceilings, with service access from the technical ceiling void (top access) without disturbing the clean zone
- Consistent parameters - all versions offer identical luminous flux, light colour and ingress protection rating, simplifying both design and commissioning
- Flexibility without compromise - changing the mounting version does not affect the clinical performance of the luminaire, allowing the solution to be adapted to every room in the facility

VARIOUS DIMENSIONS

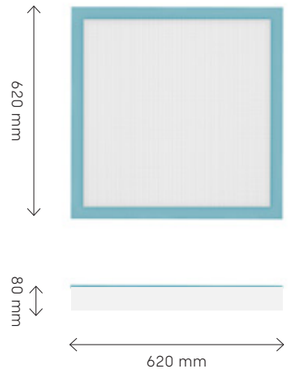
The Lumedic luminaire is available in three dimensions for different ceiling types: modular, reinforced modular and clip-in modular ceilings.

This allows the lighting to be precisely matched to the character and function of a specific room, without aesthetic or technical compromises.

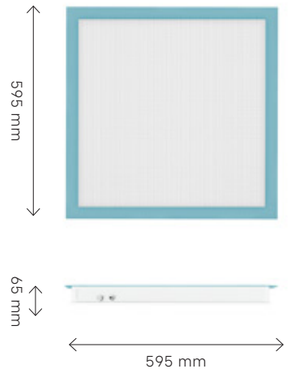
The different size variants provide greater design freedom and make it easier to integrate the luminaire with existing ceiling infrastructure. They also support greater design flexibility, a consistent interior appearance and optimal lighting parameters in spaces with different requirements.

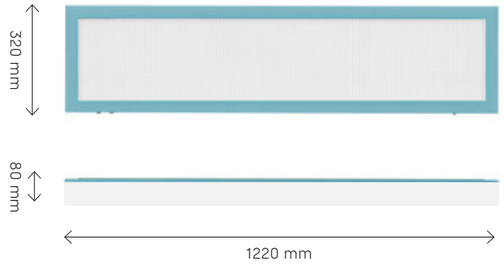
The available size range also helps achieve better visual proportions and a more harmonious final result in every project.

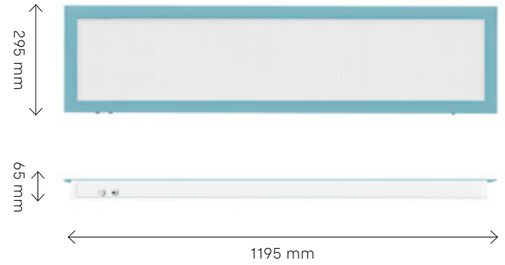
SURFACE-MOUNTED VERSION

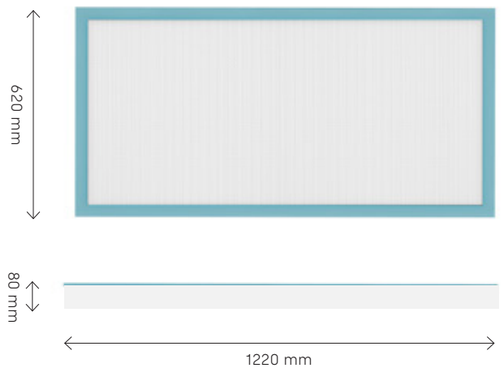


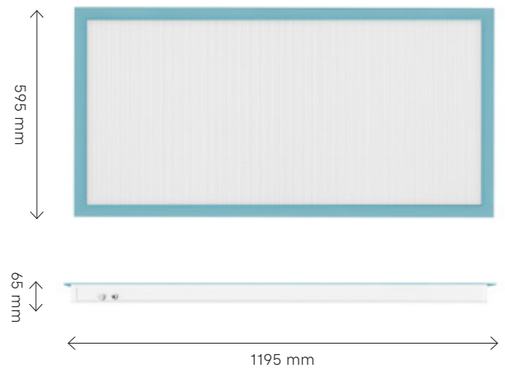
FLUSH-MOUNTED VERSION

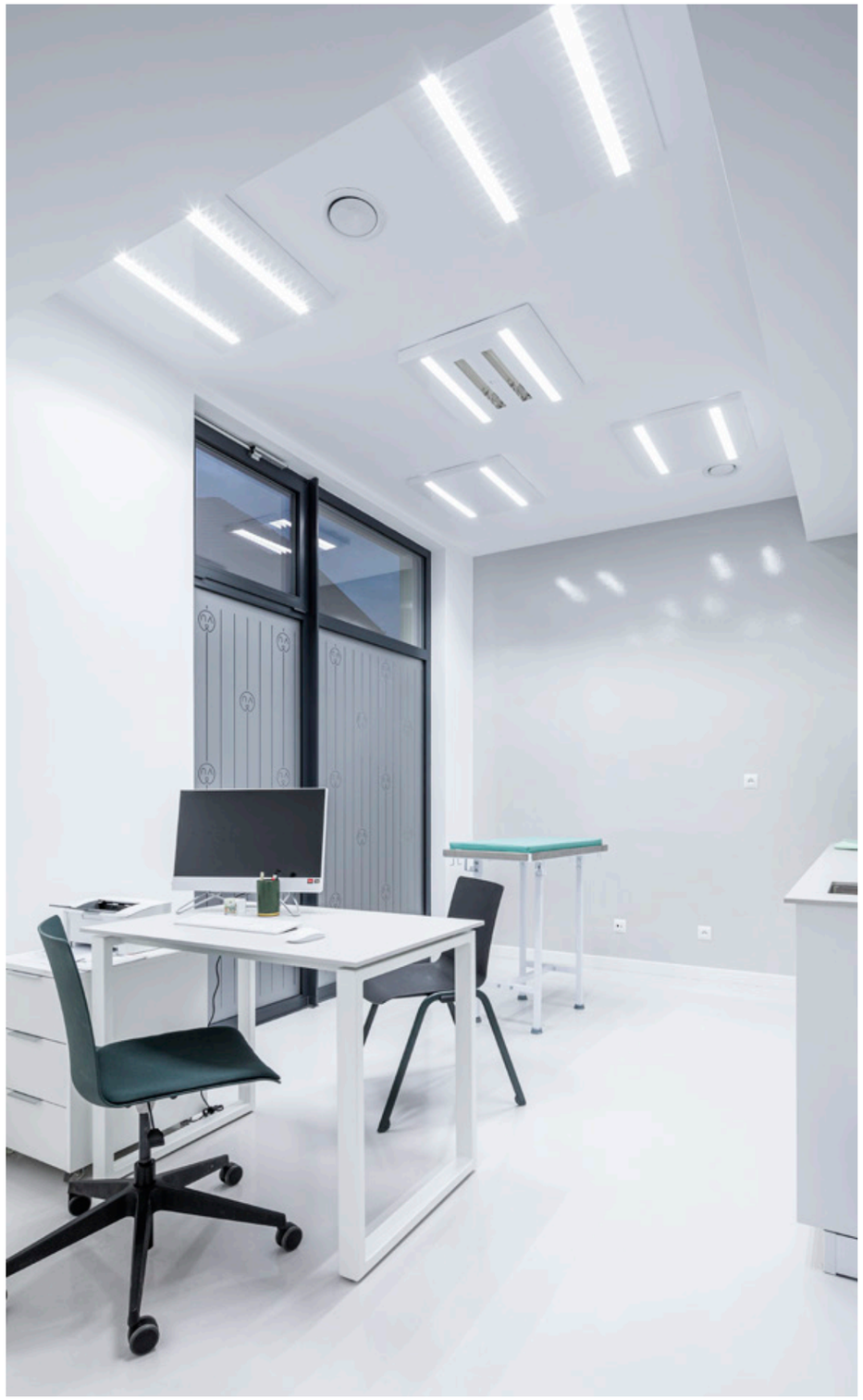












Applications of UV-C Sterilon Square luminaires

GOOD LIGHT BENEFITS US ALL

The mood and atmosphere of an interior depend on many factors. One of the key factors is light, which can literally “transform” a room. Colour temperature and luminous flux make it possible to create either a cosy or a more austere atmosphere.
Light shapes interiors and affects our well-being.

Patients tend to choose the healthcare facility that will provide them with the best care. We provide best-in-class, state-of-the-art lighting solutions that enhance the efficiency of medical staff and create an atmosphere conducive to patient recovery.

Our luminaires for medical spaces:

- Contain silver ions (2%), limiting the growth of pathogens
- Are energy-efficient, helping reduce operating costs
- Improve staff efficiency and precision in laboratories
- Support patient well-being and rehabilitation outcomes
- Create a comfortable atmosphere for seniors - in sanatoria, hospices and care homes

FUNDING FOR HOSPITAL MODERNISATION

Modern hospital lighting is an investment in patient safety, patient comfort and medical staff efficiency. Properly designed lighting systems improve visibility during medical procedures, support doctors' and nurses' concentration, and help create a more welcoming environment for patients and visitors. At the same time, energy-efficient LED solutions help significantly reduce operating costs and energy consumption within the facility.



Generated using AI.

Fundusze Europejskie na Infrastrukturę, Klimat, Środowisko

The programme supports the modernisation of healthcare infrastructure, including better technical building standards, improved energy efficiency and a better working environment for medical staff.

KRAJOWY PLAN ODBUDOWY

The funds are intended for the development of modern medical infrastructure, digitalisation of the healthcare system and investments that improve patient safety and comfort.

Medical facilities in Poland can still benefit from extensive financial support for infrastructure modernisation, improved energy efficiency and the development of modern medical technologies. In 2026, EU funding is available for, among other things, building modernisation, improving treatment conditions and implementing innovative solutions in hospitals.

What can be funded?

- modernisation and equipment of hospital wards
- improving the energy efficiency of buildings
- modernisation of lighting systems
- implementation of intelligent building management systems
- improving the safety and comfort of patients and staff

TRUSTED BY DOZENS OF MEDICAL FACILITIES

Our luminaires provide premium light quality and faithful colour rendering. They make medical staff's work more comfortable while helping patients feel safer. Every installation meets the stringent requirements of medical spaces.

Trusted by:

- Provincial Specialist Hospital, Lublin
- Greater Poland Children's Health Centre, Poznań
- Independent Public Complex of Healthcare Facilities, Żuromin
- Dr Józef Psarski Masovian Specialist Hospital Ostrołęka
- Hospital for Nervous and Mentally Ill Patients, Międzyrzecz
- Warta Provincial Psychiatric Hospital
- W. Dega Orthopaedic and Rehabilitation Clinical Hospital Poznań
- Dr Antoni Jurasz University Hospital Bydgoszcz
- Ludwik Perzyna Provincial Integrated Hospital Kalisz
- Children's Ward of the District Hospital, Września
- Dr Zbigniew Wall Rheumatology and Rehabilitation Hospital Żarów
- and many more...





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LIGHTING CONTROL

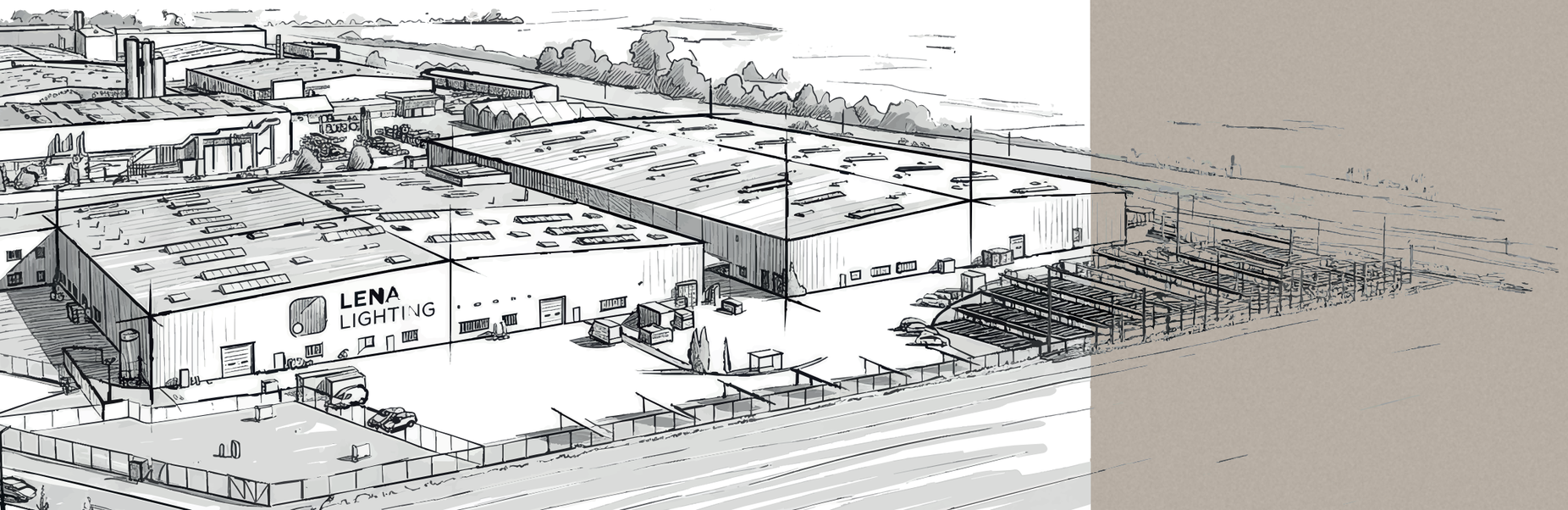
Lumedic luminaires are available in DALI-enabled versions, enabling precise control of lighting scenes, smooth dimming and integration with Building Management Systems (BMS).

This enables lighting scenes to be defined - from procedural to night-time modes - tailored to ward operations and staff needs. Control systems may include presence and daylight sensors, corridor function and day-night schedules that support circadian rhythm in line with Human Centric Lighting principles. They also reduce energy consumption and improve the building's energy efficiency.

MADE IN POLAND

As a lighting manufacturer with 37 years of market presence, we know everything about luminaires and lighting systems: we design, test and manufacture them comprehensively. We combine practical experience with modern technology.

37+ YEARS OF EXPERIENCE



ADVANCED PRODUCTION FACILITIES

Our modern infrastructure provides a high level of flexibility and operational efficiency.

LIGHTING MARKET LEADER

Every year, we manufacture millions of luminaires, strengthening our position both in Poland and internationally.

INNOVATIVE DESIGN

We use the latest technological advances to create modern, energy-efficient solutions.

COOPERATION WITH GLOBAL LEADERS

We work with leading manufacturers of electrical components, which enables us to implement unique solutions.

ENERGY EFFICIENCY AND LIGHTING QUALITY

Our technological innovations reduce energy consumption while improving lighting performance.

CONTINUOUS TECHNOLOGICAL IMPROVEMENT

We continuously develop our know-how, implementing the latest LED technologies and lighting control systems.



IT REALLY MATTERS

WE MANUFACTURE IN ACCORDANCE WITH
THE HIGHEST ENVIRONMENTAL STANDARDS

Our awareness of how important environmental responsibility is for us and future generations motivates us to make every effort to offer top-quality, energy-efficient products, while ensuring that the entire manufacturing process and the technologies used have no negative impact on the ecosystem.

Our efforts and their effectiveness have been confirmed by ISO 14001 certification. This means that Lena Lighting has successfully implemented an environmental management system. The primary objective of this system is to create conditions for the company to operate while minimising its negative impact on the natural environment.
We have already achieved this, but we continue – and will continue – to invest in technology and expertise aimed, among other things, at protecting the natural environment.

ECO
FRIENDLY

Lena Lighting S.A.

ul. Kórnicka 52, 63-000 Środa Wielkopolska, Poland

tel. +48 (61) 28 60 400, e-mail: hello@lenalighting.pl

www.lenalighting.com