

L E D X O N

Fascination of Light Engineering Desire



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I have been occupied with light since I was a child. I am fascinated by its effect on people, spaces and things.

Light arouses emotions, directs our gaze, creates atmospheres. Light is a medium, a bridge between reality and perception, a communicator. Light speaks and makes people speak.

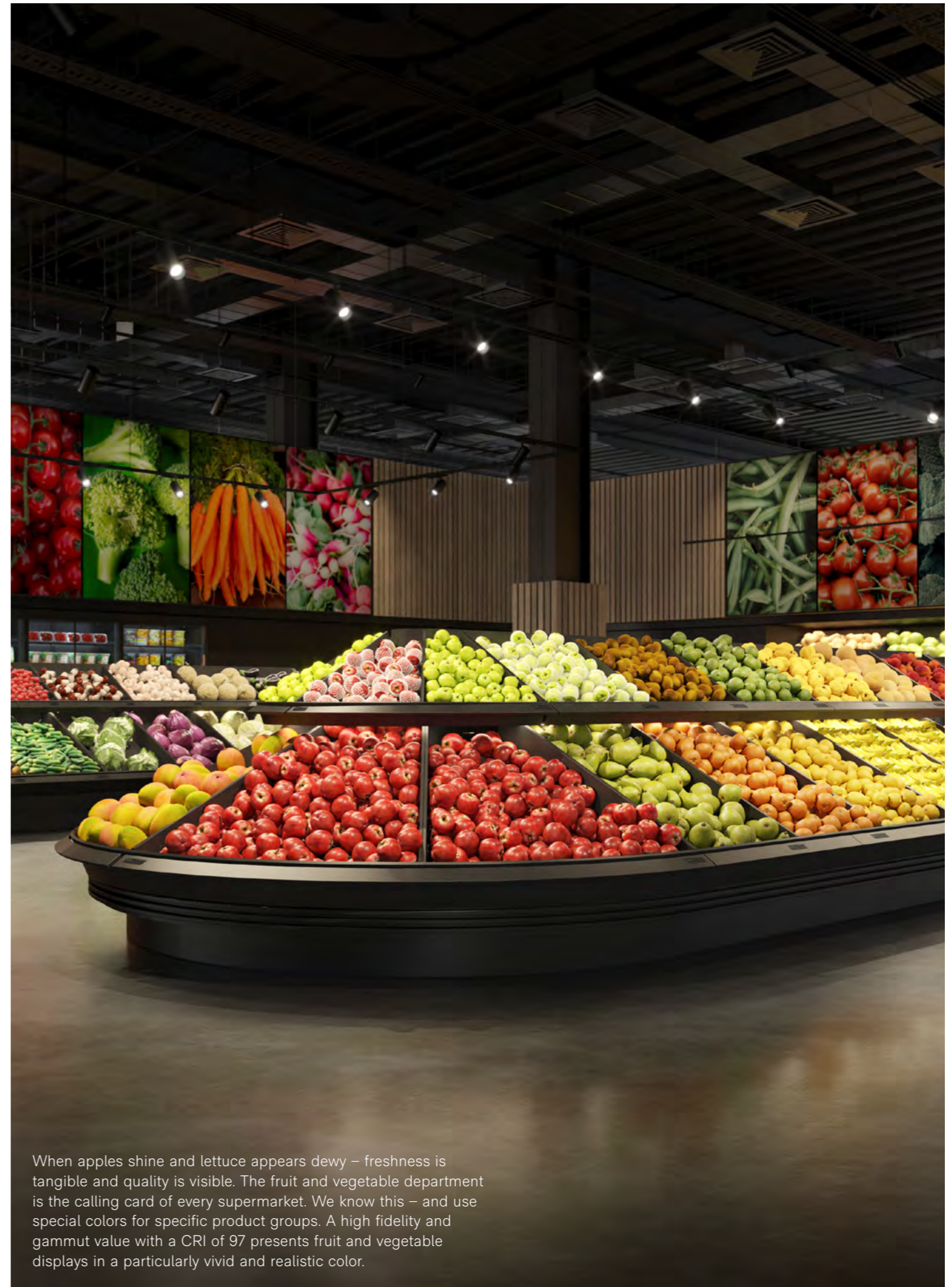
Welcome to Ledxon. Welcome to holistic lighting systems, forward-looking retail concepts and innovative luminaires.

Your
Benjamin Garufo, Managing Director



We are fascinated by light. That's why we can fascinate with light.

A spirit of discovery and lighting expertise form the Ledxon foundation. As pioneers in the field of LED lighting, we use 30 years of experience and technology know-how to develop novel lighting solutions and systems.



When apples shine and lettuce appears dewy – freshness is tangible and quality is visible. The fruit and vegetable department is the calling card of every supermarket. We know this – and use special colors for specific product groups. A high fidelity and gamut value with a CRI of 97 presents fruit and vegetable displays in a particularly vivid and realistic color.



In the fashion store, luminaires that emotionally strengthen a room design are in demand. Here we have used our spotlight series TLM2, which intelligently accentuates and sets sharp contrasts. Downlights shine into the shelves, where our type SML batten luminaires ensure absolute color precision.

It is important to us to tailor lighting concepts precisely to your very specific retail needs, your very specific store context. No matter how complex.

Questions of energy efficiency must always be answered, as well as technical lighting standards and psychological aspects of perception must be taken into account. After all, light has a biological effect on health, a visual effect on the perception of the environment and an emotional effect on people's mood.

What we can do for you, we have already done successfully for a large number of international clients: using light to direct attention, create very specific atmospheres, move people.

With a team of experienced lighting designers and young lighting experts, we are helping to shape the future of lighting design. For example, through new solutions for digitalization, automation and intelligent networking.

Are you part of it?

New realities of light



Whether for food, jewelry, cars or fashion. We create new realities of light. From pragmatic to magical. From discreet to opulent. From puristic to adventurous. And from subtle to brilliant.

We specialize in the development of linear and spot LED modules and luminaires, innovative module technology and finely tuned optoelectronics. With these, we stage your points of sale together with you – always taking into account the architecture, the interior and the colors of rooms. We integrate various light sources and coordinate ceiling light with all other types of lighting – for example, with accent lighting that highlights special merchandise and areas. Or to shelf lighting that draws attention specifically to individual products. Or the lighting of refrigerated areas, where the question is: How can light color and beam angle be used to optimally highlight goods?

We are regarded as meticulous thinkers, planners, implementers and accompany you through the entire process: from the idea to the detailed planning to the implementation in an intelligent lighting design.

That's what we call 360° expertise.

“We see retail spaces as design spaces. We redesign them to meet specific needs. Sometimes we even reinvent them completely. Because our luminaires and lighting systems are extremely flexible. We can adapt them to any retail situation, to any product range at the point of sale. This often creates a completely new spatial reality.”

— Christoph Hiebinger, Head of Product Design



Visionary from the start

1986

LED pioneer Gabriel Garufo lays the Ledxon foundation stone with Garufo GmbH. The globally active company establishes itself as a specialist for optoelectronic display systems in road traffic. In 2004, it is sold to the Dialight Group.

2006

Gabriel Garufo founds Ledxon GmbH together with his son Benjamin. Initially as a pure development service provider.

2009

The LED revolution begins. Ledxon positions itself as one of the first German companies within the electrical wholesale trade in the illuminant segment.

2012

Ledxon is growing strongly in the area of shelf and store lighting and is building its own plant on European soil: in Masów, Poland.

2015

Ledxon invents more luminaires and systems. The company is evolving into a holistic partner for industry, trade and end customers.

2020

A dedicated experience studio called Synergy Center is being built in Düsseldorf. For customers and partners who want to find out about current lighting trends and new products.

2022+

Ledxon invests in digitalization, intelligent networking and innovative services. In other words, in the future.

Producing values

Managing Director Benjamin Garufo on what makes Ledxon production so special



In our factory we produce batten luminaires and luminaires from a single source. Optoelectronics made in Europe.

The Ledxon plant is located in Masów, Poland. Why did you build your production facility there of all places?

Masów is located in the Opole metropolitan area, the administrative seat of the Opolskie region. The region is bilingual, Polish and German, and Opole has not only its own German consulate, but also a highway connection to the A4 – Krakow, (Görlitz) Dresden or Berlin. So this is rural area, but one can speak without exaggeration of a “very good connection”.

This has advantages for us and for the region. We can recruit both well-educated and unskilled workers from the city and the surrounding area. In short, Masów's favorable infrastructure and the fact that there are many skilled workers on site speak in its favor.

Give us a (virtual) tour of the plant – how is it built, what does it look like?

Let's start in the main building: You go through the stairwell to the changing rooms, production offices and the main production halls. On the upper floor there is a roof terrace and a large break room, both of which are always well and gladly frequented. The adjacent buildings are warehouses, mechanical rooms, and electronics manufacturing. It is important for me to mention that the buildings are solid structures that retain their value. We worked with bricks and aerated concrete, which is rather untypical for Poland. Normally, the focus here is more on architectural favorability and, for example, a lot of work is done with insulating sheet metal systems. We didn't want that. We wanted to create quality and a good working environment. That's why we also focused on building spacious social rooms and a beautiful roof terrace. There's always a lot going on there in the summer.

“We produce Made in Europe and therefore have all resources in-house ... Design changes and customer specific design are always possible quickly.”

— Benjamin Garufo, Managing Director

What exactly is produced in Masów?

We start with the lowest common denominator. But this is also the most important one. We assemble our own light engines, which are then installed in luminaire housings and electrically wired. We therefore produce batten luminaires and luminaires – in state-of-the-art production facilities. Many of our competitors outsource the assembly step and “only” assemble the luminaires. We want to offer the assembly as well, to supply everything from one source. Just as it should be for a “real” manufacturer.

Why is it good to have your own production facility?

Usually, 70% of optoelectronics are imported from China. We prefer to produce Made in Europe – and thus have all resources in-house. We are not always completely spared from delivery bottlenecks of our suppliers, but compared to our competitors we are almost always able to deliver faster and more reliably. We are also always able to implement luminaire design changes and customer-specific designs extremely quickly. This is only possible if you produce in Europe yourself.

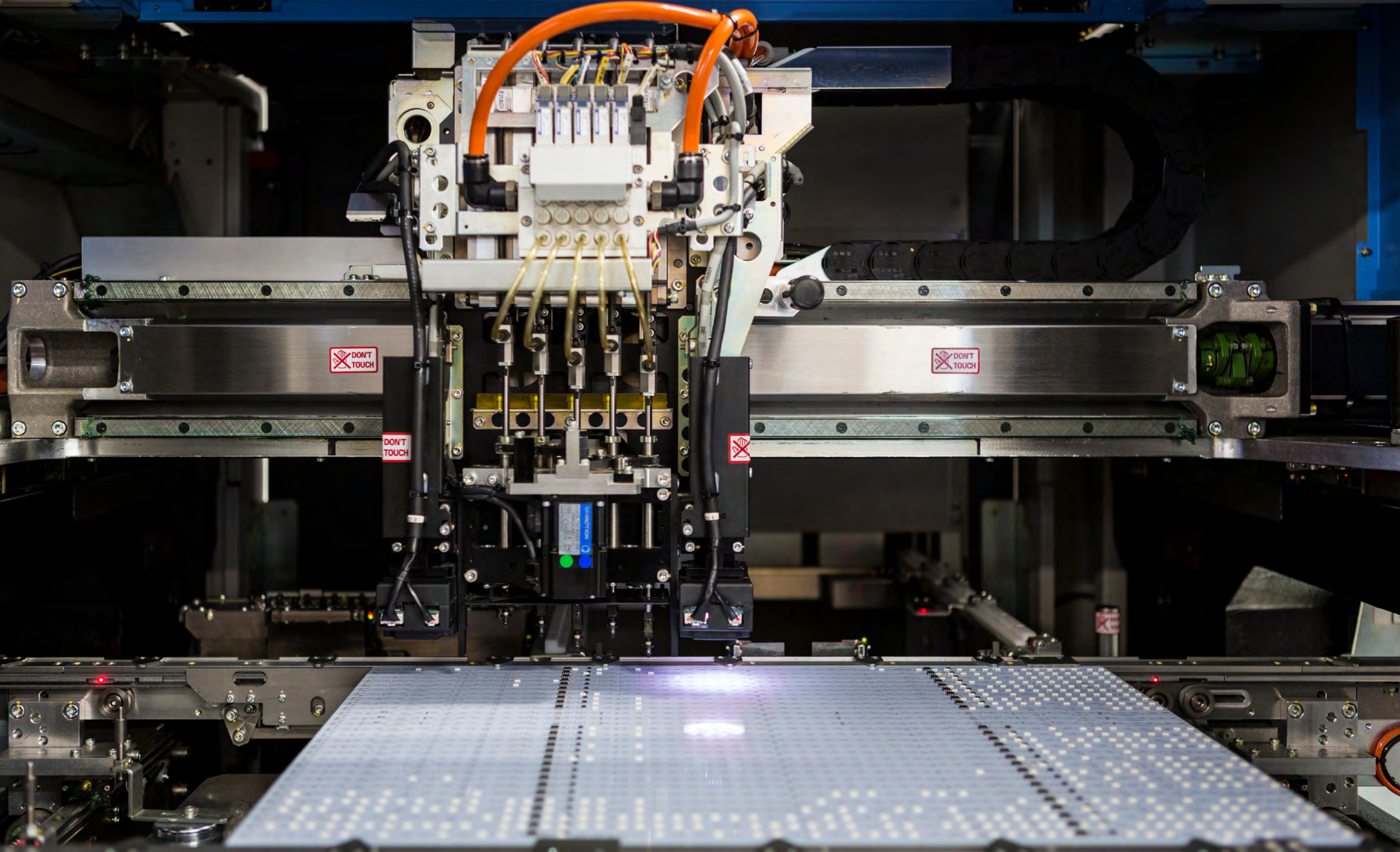
Who works in Masów? And what kind of relationship do you have with the employees?

We have a colorful, lively mixture of employees in Masów: executives, office staff, back office, order desk, quality-management, logistics and, of course, our production employees. We strive to offer them all something beyond the usual: e.g. special health and fitness packages. And we attach great importance to integrative and social actions with the community. This ranges from participation in sports festivals to an extensive training program. Of course, there are also celebrations. Ledxon company parties are a good, living tradition in Masów. We do not just want to claim that we are an excellent local employer. We really want to be one.



State-of-the-art manufacturing equipment ensures that LEDs are assembled on printed circuit boards, then installed in luminaire housings and electrically wired.





With our SMT assembly plant, we manufacture light engines ourselves. This allows us to react quickly and easily to our customers' special requirements.

Facts & figures

Employees:

90⁺

Production and storage space:

> 50000 m²

Number of products sold per year:

655.000 pcs

Satisfied customers worldwide:

> 20000

Showroom space:

300 m²

Complaint rate:

< 3 ppm

Focus on the room: Ceiling Display Shelf Refrigerators Brand space Experience

We can do retail. No matter whether ceilings, entire rooms, individual pieces of furniture or refrigerated areas are to be illuminated. Regardless of whether it's food, non-food, jewelry, automotive or fashion. We have the right lighting system for every retail scenario, for every retail situation. Or we can create one for you.



In the food sector, for example, we distinguish between ceiling, room, shelf, display, fresh food counter and refrigerated display. We produce luminaires that are precisely aligned with the geometry of refrigerated display cases. This means that we have developed special light strips that can be precisely tailored and at the same time flexibly adapted to all possible refrigeration scenarios.

For the individual staging of displays, we have different beam characteristics as well as white light colors and special light colors for meat, cheese and fish in our program. The optimal lighting staging of product groups is all about details.

We are the specialists for this.

THE MULTI-INNOVATIVE

TLM2

Narrow beam angle or soft illumination? Spring, summer, fall or winter collection? If you have to deal with frequently changing product ranges in your stores, the TLM2 is the perfect solution.

Spotlights that can be operated via Bluetooth ensure that the light color and beam angle can be effortlessly adjusted to the desired illumination. What was previously only possible with a large number of luminaires – is now possible with just one TLM2 type.

Flexibility galore with the TLM2-C: The light can be continuously adjusted to the desired color temperature from 2,700–5,000 Kelvin. And this with a constant color rendering of $ra > 92$. The generous adjustment range of the light cone from 15–50° leaves nothing to be desired.

Formally, the technical spotlight blends harmoniously into the ceiling image without causing unrest. The TLM2 leaves the interior design in charge.

Highlights

- controllable zoom sets highlights for individual products, brands and promotion areas
- fast response due to eyeconex light management > ideal for changing product fronts
- zoom adjustable from 15–50°
- neither manual adjustments nor maintenance work on the ceiling necessary > saves time and money
- zoom compensates installation height of ceiling
- highly efficient lens technology
- TLM2-C: color temperature can be adjusted from 2,700–5,000 Kelvin

Typical Ledxon

Ledxon stands for innovative, flexible and absolutely reliable products. Our repertoire includes surface-mounted luminaires and recessed luminaires, illuminants and batten luminaires as well as components and light engines.

Here we present some of our top luminaires:

THE ALL-ROUND TALENT

DLA1

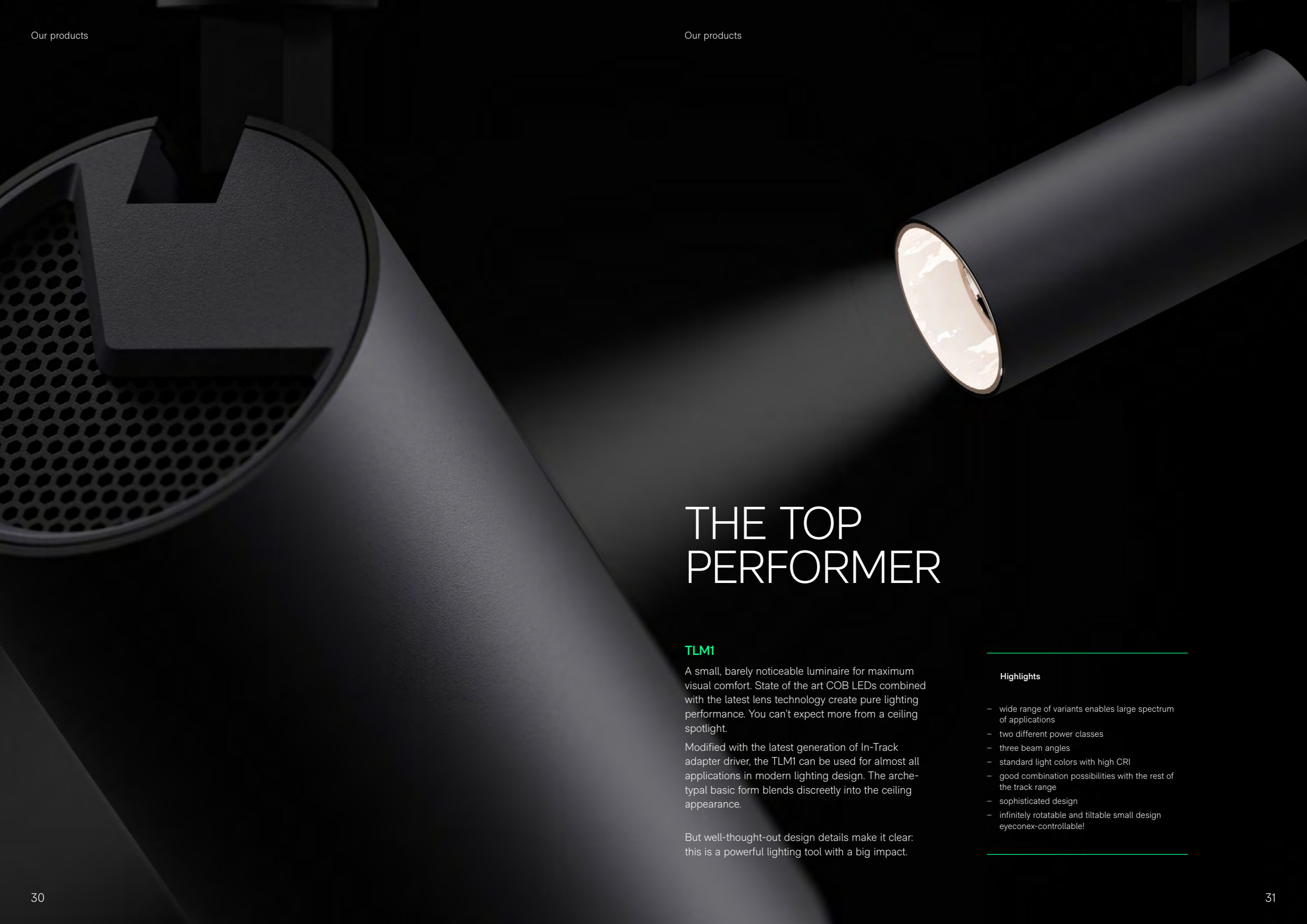
The lighting all-rounder for areas where fixed recessed luminaires are the first choice but still need to impress with their versatility.

The proven, solidly designed pull-out mechanism allows the luminaire to be used not only as a classic downlight but also as a directional spotlight.

Highlights

- wide range of variants enables large spectrum of applications
- four different power classes
- three beam angles
- standard light colors with high CRI
- special light colors for food
- uniform design language
- good combination possibilities of the individual spotlights
- sophisticated design
- infinitely variable rotation and swiveling
- easy and exact alignment via degree scale on the luminaire





THE TOP PERFORMER

TLM1

A small, barely noticeable luminaire for maximum visual comfort. State of the art COB LEDs combined with the latest lens technology create pure lighting performance. You can't expect more from a ceiling spotlight.

Modified with the latest generation of In-Track adapter driver, the TLM1 can be used for almost all applications in modern lighting design. The archetypal basic form blends discreetly into the ceiling appearance.

But well-thought-out design details make it clear: this is a powerful lighting tool with a big impact.

Highlights

- wide range of variants enables large spectrum of applications
 - two different power classes
 - three beam angles
 - standard light colors with high CRI
 - good combination possibilities with the rest of the track range
 - sophisticated design
 - infinitely rotatable and tiltable small design eyeconex-controllable!
-

THE EVENLY BRILLIANT

TP1

For customers who value wide-area, uniform illumination. 132 state-of-the-art LEDs behind just as many 3D optics produce an extraordinarily uniform and brilliant light pattern and an astonishing range of variants. No beam of light is wasted here.

The additional swiveling optics make subsequent fine adjustment possible; thus, the entire light can be perfectly adjusted to special situations.

The functional luminaire design blends unobtrusively into the ceiling appearance and the clearly distinguishable light pattern shows that this can only be the most modern, energy-efficient LED technology.

Highlights

- consistent design language, material and surface texture
- easy to combine with other track products
- one luminaire with different optics (large-area room illumination, targeted illumination of product fronts – walls on one or both sides)
- uniform ceiling appearance with different requirement profiles for beam characteristics
- rotatable and tiltable
- optimally adaptable to different aisle widths and distances



THE ABSOLUTELY RELIABLE

TL1

Robust, reliable, technically solid. The TL1 covers the most important application areas of modern stores, offers over 900 possible combinations, and impresses with its sophisticated details.

The housing size is adapted to the different thermal heat developments of the available power classes 30, 40 and 50 watts.

Highlights

- wide range of variants enables large spectrum of applications
- four different power classes
- three beam angles standard light colors with high CRI special light colors for food
- good combination possibilities of the individual spotlights
- sophisticated design
- infinitely variable rotation and swiveling
- easy alignment thanks to degree scale on the luminaire
- controllable versions available (DALI, eyeconex)



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