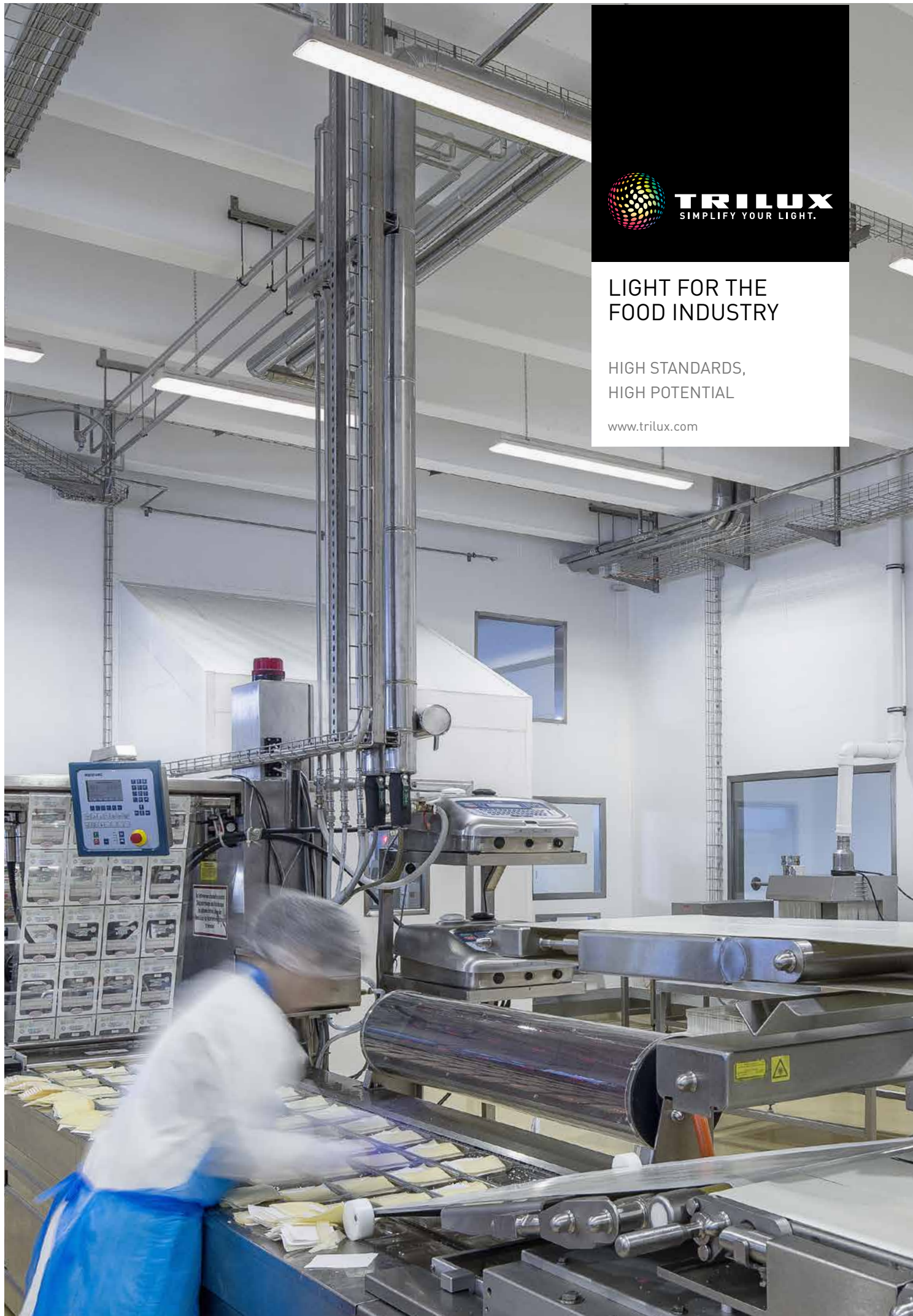


TRILUX
SIMPLIFY YOUR LIGHT.

LIGHT FOR THE FOOD INDUSTRY

HIGH STANDARDS,
HIGH POTENTIAL

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LIGHT FOR THE FOOD INDUSTRY

SMART PRODUCTS
AND SERVICES FROM TRILUX
FOR THE COMPLETE
FOOD SUPPLY CHAIN



The highest statutory hygiene and safety standards apply to the industrial production, processing and storage of food – and to lighting as well. The specific requirements are defined in the HACCP standard, among others. For example, optics and housings must be made of shatterproof material, be easy to clean and lighting should be of the highest colour rendering for visual quality control. TRILUX lighting solutions for the food industry are HACCP-compliant and can therefore be used in companies that are certified according to the IFS Food or CRC standards. TRILUX also brings the future of lighting to demanding areas such as cold stores or warehouses with intelligent and networked solutions - starting with sensor control, lighting management and cloud monitoring to non-lighting IoT applications such as Location Based Services.

Delivery, dismantling, preparation, packaging, storage, logistics, office, retail – the various sectors in the food industry often have very specific lighting requirements. No problem for the broadly diversified TRILUX solution portfolio. Thanks to their modular design, the luminaires can be perfectly adapted to the individual area of application and thus provide the best light quality and maximum efficiency. Good for the working atmosphere: TRILUX LED solutions in daylight quality (HCL) increase the well-being of employees and strengthen the biorhythm.

PRODUCTION LINES



Stay cool when it gets hot and humid

Heat and humidity are the "usual suspects" in the industrial production of food. Thanks to efficient thermal management and sealed housings, TRILUX luminaires remain cool even in the event of extreme heat and moisture accumulation below the ceiling. A further advantage: The "cold", UV-free TRILUX LED light is kind to raw foodstuffs.

COLD STORAGE AND DEEP-FREEZE STORES



Low temperatures and high lighting quality

Temperatures in warehouses are generally between +5 and +8°C, in deep-freeze warehouses even down to -40°C. No easy job for lighting. Thanks to their robust construction, TRILUX lighting solutions prove their worth even under these extreme temperatures, even in critically humid conditions. And thanks to tailor-made light, they ensure perfect visual conditions and thus safe and efficient transport of goods.

FILLING PLANT



Safety in a confusing environment

Filling plantrooms are usually located in large high halls and extend over several levels. Thanks to excellent glare control, TRILUX solutions create optimum visual conditions even at high luminous flux levels – and thus ensure maximum safety and working comfort. Reliable and efficient. For companies with shift operation 24 hours a day.

BOXING AND PACKING



High colour rendering index for quality control

If visual quality control is carried out during packaging of goods, a high colour rendering index is important. This allows even the smallest colour nuances to be reliably distinguished and deviations in quality and freshness to be detected. Clever: If there are windows with natural daylight, sensor-controlled lighting with daylight regulation can reduce energy costs by up to 26 percent.

OFFICE AREAS



Outstanding light for excellent work

The spectrum of tasks in the office ranges from classic screen work to filing and checking invoices, delivery notes and the like: TRILUX solutions ensure optimum visual conditions at the computer with high glare control of UGR 19. In addition, the user can adapt the lighting to the various tasks in the office and to his individual requirements. Networked solutions enable convenient control via an app or via the cloud, thus creating a flexible new-work infrastructure.

COVERED OUTDOOR AREAS



Light for all weathers

A high-performance outdoor lighting system must not only reliably withstand the harshest weather conditions, dust and vibrations that pedestrians and forklift drivers often meet in the covered storage area, the lighting must guarantee the safety of all those involved by providing optimum visual conditions – in wind, weather and darkness.

OUTDOOR AREAS



Light knows no building boundaries

Whether atmospheric façade lighting or safe light for car parks, paths or outdoor storage areas - with the TRILUX Outdoor portfolio, external areas close to buildings can also be perfectly illuminated. The result: Holistic lighting solutions beyond the boundaries of the building.

RETAIL



Shopping by eye

The TRILUX subsidiary Oktalite specialises in high-performance lighting solutions for the retail sector – and with a wide portfolio, has an eye on the special requirements of shop lighting, e.g. with flexibly configurable continuous rows, spotlights and pendant luminaires. In addition to lighting quality and luminaire design, the focus is also on luminaire networking and control. The result: an attractive shopping atmosphere and perfectly staged goods and products.

LIGHT FOR THE FOOD INDUSTRY

EFFICIENT SOLUTIONS
FOR THE FOOD INDUSTRY



www.trilux.com/aragon-fit-led

Aragon Fit LED



www.trilux.com/e-line-next

E-Line Next LED



www.trilux.com/mirona-fit-led

Mirona Fit LED

Whether moisture-proof luminaire, continuous row system or high-bay reflector luminaire – with the wide range of TRILUX products, lighting can be perfectly adapted to the specific application. Particularly in demand in the food industry: the Aragon Fit LED, the E-Line NEXT LED and the Mirona Fit LED.



Compliant with standards – TRILUX solutions for the food industry are HACCP-compliant and suitable for use under the toughest conditions.

Excellent – Everything is possible for optimum lighting quality, from maximum glare control (UGR 19) and a high colour rendition index ($R_a > 90$) to HCL daylight quality.

Tailor-made – light distribution, luminous flux package, light colour, degree of protection – thanks to its modular design, each luminaire can be perfectly adapted to its area of application.

Economical – operating costs are particularly low thanks to high efficiency and long service life. Customised light distribution minimises the number of light points required and further reduces costs.

Resistant – With optional degrees of protection ranging from IP X to IK Y, the luminaires are purposefully adapted to harsh operating conditions.

Smart – TRILUX lighting solutions can be networked quickly and easily via the LiveLink lighting management system and connected to the cloud. This opens up new possibilities for control and monitoring.

Future-proof – TRILUX luminaires are IoT-ready and can be flexibly fitted with IoT components for digital applications such as location-based services.



TRILUX SERVICES

EVERYTHING FOR YOUR
LIGHTING. AND FAR BEYOND.

www.trilux.com/services

TRILUX supports the food industry not only with products but also with a wide range of services. This enables companies to hand over all lighting tasks to TRILUX, from lighting design, financing and installation to operation and maintenance. In addition, TRILUX services offer simple and powerful access to digital applications, such as lighting monitoring via the cloud (Monitoring Services), predictive maintenance or the legally required regular inspection of emergency lighting components via Emergency Light Monitoring. Companies can also use the lighting as a plug-and-play infrastructure for "non-lighting" IoT applications such as location-based services, e.g. asset tracking, with which movable goods can be located safely in enclosed buildings. The implementation: without effort and risk, quite simply with TRIUX as a partner.

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TRILUX LIGHT SNACKS

SMALL BITES, BIG BENEFITS

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