

LIGHT FOR THE LOGISTICS SECTOR

GUIDING THE TRANSFORMATION
OF LOGISTICS



YOUR COMPANY. YOUR LIGHTING SOLUTION.

Zumtobel, with its wealth of experience in the logistics sector are able to offer the right solution for every area of your company and the visual tasks carried out in them – from outdoor areas and loading ramps to high-bay warehouses and offices. Understanding the lighting requirements can help boost productivity, employee well-being and energy savings. At Zumtobel, they keep abreast of all the lighting industry trends to ensure the most complete offer.

About Zumtobel

Part of the Zumtobel Group, Zumtobel is a leading international provider of holistic lighting solutions delivering professional lighting for buildings both indoors and outdoors.

For over 70 years we have been developing innovative and individual lighting solutions and are constantly guided by a unique design approach. Our goal is to improve people's quality of life through light, by offering an extensive range of high-quality luminaires and lighting control systems and combining these with comprehensive consultations and services.





IRV 5



TANGIBLE BENEFITS

One of the greatest challenges for companies in our fast-moving world is the constantly changing market. Continuous growth requires efficiency, flexibility and the ability to respond to market developments. An innovative, future-proof lighting solution is the basis for a successful company and ensures intelligent, sustainable and cost-effective lighting.

LIGHT QUALITY

Increased picking accuracy and safer driving thanks to vertical lighting on warehouse shelves, less glare and high-quality optics.

FLEXIBILITY

With flexible lighting systems such as the customisable, pre-wired TECTON trunking system, you can react quickly and easily to structural changes in the warehouse. Sensors that can be retrofitted with no need for tools not only save energy, but also help prepare your company for Industry 4.0.

FUTURE-PROOF

With the increased legislations around fluorescent lamps, Zumtobel's refurbishment portfolio makes this easy with 1-to-1 replacement luminaires and wireless light management systems. 'IoT-ready' ready products help you prepare today for tomorrow's innovations and new services.

ENERGY SAVINGS

Efficient and economical lighting solutions with

- state-of-the-art LED light sources
- a daylight linking lighting control system
- time and presence sensors that only activate the light when it is really needed

COST SAVINGS

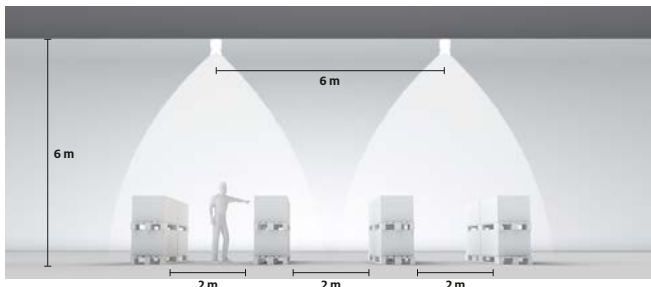
Our experts analyse where you can reduce your energy costs. In addition to comprehensive advice on energy savings and lighting refurbishment, Zumtobel's services also include a detailed audit before and after installation.

EMERGENCY LIGHTING

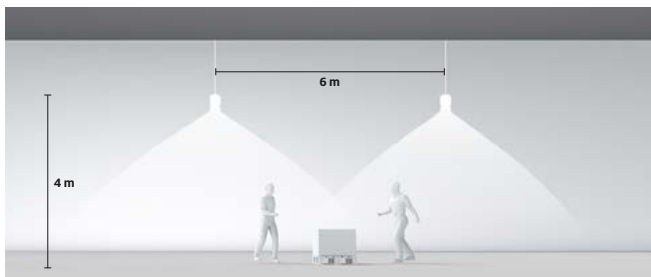
Reliable emergency escape lighting is essential. Zumtobel's extensive product portfolio has the right solution, even for extreme heights and distances – for total safety and 100 % compliance with workplace standards.



TechnoAlpin, Bolzano (IT)



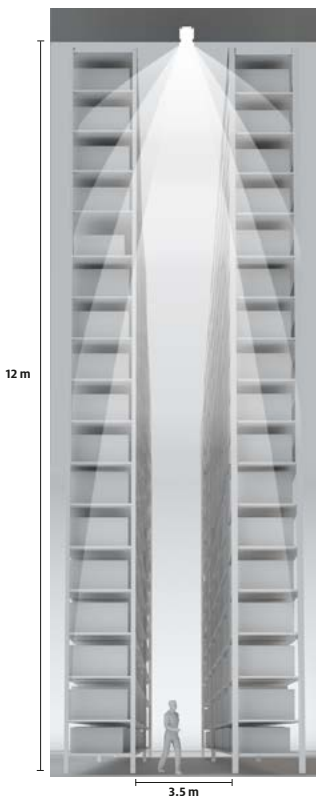
Wide Beam
Uniform illumination of aisle and shelf areas as well as larger surfaces



Very Wide Beam
Uniform illumination of areas - with a uniquely low number of luminaires, without impacting the project design or the layout of shelves, machines and work spaces

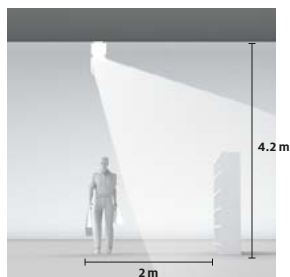
THE RIGHT LIGHT

High, low, close together or far apart – however your company’s shelves are designed or laid out, Zumtobel ensures that all vertical and horizontal work surfaces are uniformly and brightly illuminated. Cylindrical illuminance levels facilitate hazard and object detection. From a large range of light distribution options, our experts select the solution that provides the best visibility, enabling you and your employees to work safely and efficiently.

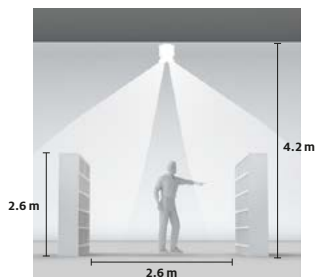


Narrow Beam
Illuminance levels for medium to high shelves with focus on the aisle surfaces

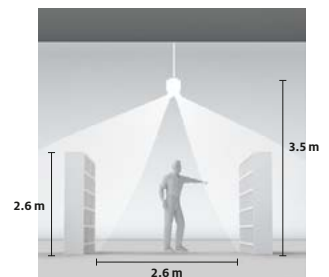
Wallwasher
Intensive and uniform illumination of shelving units positioned on one side only



Shelf Beam
Intensive and uniform illumination of shelving areas with low room heights



Wide Shelf Beam
Intensive and uniform illumination of shelving areas – for wide aisles or low ceiling heights





RESCLITE safety luminaires

Escape route, anti-panic and spotlight lenses for walls and ceilings, even in rooms with very high ceilings
zumtobel.com/resclite



Emergency escape lighting

Escape-sign luminaires with ISO 7010 pictograms for industrial use and supply systems
zumtobel.com/crossign



Lighting management

Future-proof system and sensors specially developed for the logistics sector
zumtobel.com/litecom



bmLINK radio solution

Wireless lighting controls for new or existing buildings without a control line
zumtobel.com/bmlink



CRAFT II

The robust powerhouse for the logistics sector
zumtobel.com/craft2



TECTON

The universal continuous row lighting system for the logistics sector
zumtobel.com/tecton



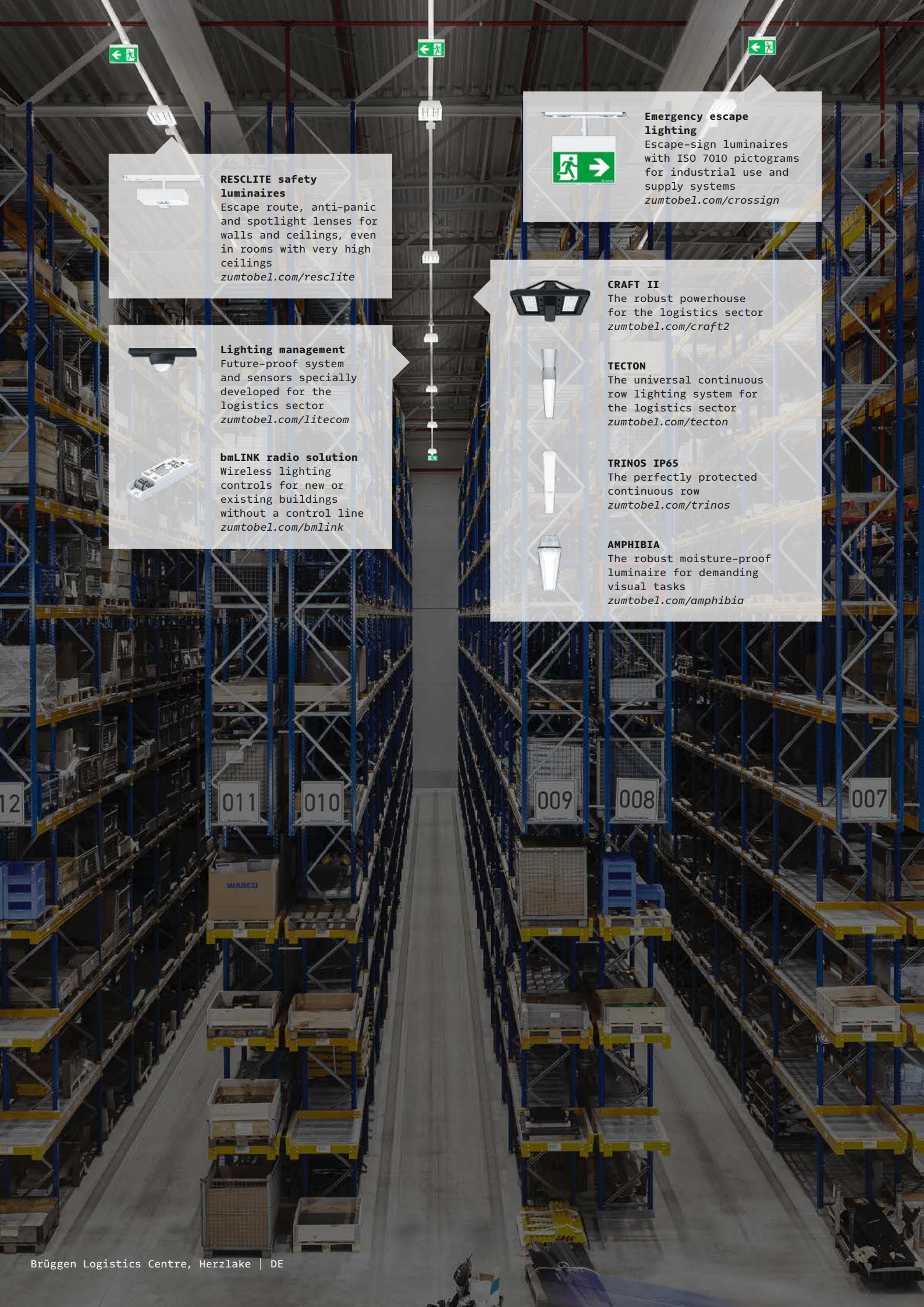
TRINOS IP65

The perfectly protected continuous row
zumtobel.com/trinos



AMPHIBIA

The robust moisture-proof luminaire for demanding visual tasks
zumtobel.com/amphibia



HOLISTIC LIGHTING SOLUTIONS

Zumtobel offers holistic, people-focused lighting solutions that reduce power consumption and save costs. Because all components – from the luminaire to the lighting management system to the central battery system – come from a single source, you receive a perfectly coordinated lighting system.

LUMINAIRES

Modern luminaires use the latest LED technologies to achieve maximum energy efficiency with the help of high luminous efficacy and precise light distribution. When retrofitting conventional lighting systems with LED lighting, the connected load and energy costs can often be halved. The long life time of the luminaire also significantly reduces maintenance costs. For demanding areas such as deep-freeze logistics, Zumtobel offers special luminaires such as CRAFT II with unique temperature resistance and a life time of up to 100 000 hours.

Our product recommendations for the logistics sector: CRAFT II high-bay luminaires, TECTON continuous-row lighting system, TRINOS IP65 continuous-row lighting system, AMPHIBIA moisture-proof luminaires

SAFETY LIGHTING

In a holistic lighting solution, safety luminaires are an essential part of the system, saving time as well as wiring and installation costs. During operation, a central monitoring system ensures seamless compliance with legal requirements – with no need for manual testing or documentation.

Our product recommendations for the logistics sector: RESCLITE safety luminaires, CROSSIGN escape-sign luminaires, eBox central emergency lighting system, nBox group battery system 48 V

LIGHTING MANAGEMENT AND SENSORS

Zumtobel motion sensors detect when and where light is needed, at mounting heights of up to 16 metres. For those who want maximum energy and cost savings, a daylight linking lighting control system can be added. Networked systems allow lighting to be controlled remotely and problems to be resolved across locations. These are integrated into the company's own building management system via BACnet, while the standardised DALI-2 technology helps prepare your company for the Internet of Things.

Our product recommendations for the logistics sector: LITECOM lighting management, presence, motion and daylight sensors, bmLINK system components for wireless lighting controls



PEOPLE IN FOCUS

More goods, shorter delivery times over longer distances, new technologies and increasingly complex processes: the demands on the logistics industry are constantly increasing and with them the demands on those who work in it. We want to support your employees in their daily tasks – with an attractive working environment that enables them to work both efficiently and happily.

BRIGHT AND GLARE-FREE

High illuminance levels not only facilitate visibility, but also have a positive effect on employee motivation. At the same time, good glare control ensures that the intense light does not disturb or dazzle at any time – either when loading and unloading shelves or looking at a screen. As different tasks and work areas require different illuminance levels, precise planning and knowledge of the current guidelines of the European standard DIN EN 12464-1 Lighting of workplaces is extremely important.



Without controlled glare optics



With controlled glare optics

CONTROLLED GLARE OPTICS

With its innovative controlled glare optics, the CRAFT II product family counters a common criticism of all high-bay luminaires: the perceived glare that occurs when people look upwards and directly into the light of a luminaire. An integrated louvre enhances the appearance of the CRAFT II performance and CRAFT II plus luminaires and creates two additional light distribution options: 'narrow beam controlled glare' and 'wide beam controlled glare'. These are extremely effective in reducing glare to a minimum and enable a $UGR < 19$.

81%



Dimming level

15%



Dimming level

Energy monitoring

Asset tracking

Presence detection

Real-time inventory management



DIGITAL SERVICES

To keep up with the rapid progress in the logistics sector and process complexity lies in digitalisation. Modern lighting systems offer the appropriate infrastructure for collecting data. Combining data from different areas, and analysing and drawing conclusions from it, creates useful advantages for your company. Zumtobel offers comprehensive support ranging from analysis, project design and after-sales support to process optimisation in collaboration with system integrators.

REMOTE & ENERGY MONITORING

Zumtobel offers you complete control of your lighting. You gain insights into your system processes and lighting infrastructure. The collected data is analysed with the help of an Internet connection and software experts, allowing you to discover where there is still a need for optimisation. Concrete examples:

- Real-time display of dimming level, power consumption, error status and diagnostic values for LED drivers
- Optimisation of energy costs through the cumulation and aggregation of power consumption figures
- Predictive planning of maintenance tasks and reduction of downtimes through integration of machine data such as operating times and deviations

ASSET TRACKING

The ability to quickly locate important objects within a building increases overall efficiency. Especially when it comes to complex processes, it makes sense to track machines and vehicles and to locate cost-intensive equipment in order to avoid delays or even stoppages. Concrete examples:

- Locating of goods, equipment or tools using asset tags
- Monitoring of incoming and outgoing goods
- Picking goods
- Automated real-time inventory
- Efficient maintenance processes thanks to location-based information for service technicians

PROCESS OPTIMISATION

With the data obtained, it is easy to optimise processes using the system integrator. Concrete examples:

- Information on journey times, traffic and traffic density can be used to make suggestions for improvements.
- Smartphone navigation in large or complex areas can be combined with goods picking to locate individual process steps. This allows areas of high and low traffic to be identified.



Remote monitoring and energy management video



Asset tracking video



Mail Centre Härkingen | CH



LIGHT AS A SERVICE

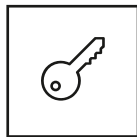
Zumtobel offer the opportunity to lease luminaries over an agreed time period. In addition to project design and turnkey delivery of the lighting system, recurring maintenance work is also included for the entire duration of the contract. This allows logistics companies to place lighting requirements and associated work in reputable, expert hands. By eliminating the initial investment, the savings start from day one of the agreement.



Monthly costs for lighting

SERVICE PRODUCTS FOR THE LOGISTICS SECTOR

The rapid pace of technological development has greatly increased the scope and complexity of the logistics sector and therefore also its lighting requirements. Zumtobel is on hand with an extensive portfolio of physical services – providing smart light that works for you.



TURNKEY SERVICES

To provide a turnkey state-of-the-art lighting solution, Zumtobel handles all tasks from project design to installation and commissioning. With international expertise in equipping logistics facilities, Zumtobel acts as a general contractor and central point of contact for a customised complete package from a single source.



PROPERTY MANAGEMENT

Zumtobel ensures that a lighting solution will provide the best possible service for many years, even with intensive use. A general service level agreement in which services and response times are adapted to the needs of the customer forms the basis of the service package, along with an annual maintenance service for the entire lighting infrastructure. Additional services such as on-site support are available on request.



Turnkey
services video

T H E L I G H T



zumtobel.com/contact