



**TECTON
FOR RETAIL**

AN EFFICIENT LIGHTING SYSTEM



Ready for future technologies

Integrating new technologies in an existing system? Not a problem with TECTON. With its 11 poles, the continuous-row system not only provides a basis for general lighting, but also allows safety lighting, lighting controls and digital services to be integrated seamlessly. It offers 100% flexibility along the entire length of the continuous row.

VERSATILE LIGHT IN A SINGLE SYSTEM

Presenting goods, arousing desire: the TECTON continuous-row lighting system helps create the perfect setting for today's shopping experience. And it's ready for future uses too – thanks to its trunking with an integrated 11-terminal current-conducting section, it offers a basis for general lighting, safety lighting and lighting management that will never go out of style. Quick to assemble and customisable, all modules can be positioned on the trunking wherever desired. It also comes with Zumtobel Services if required: from project design to installation and maintenance, we offer support throughout the entire life cycle of a lighting solution.

CUSTOMISE YOUR SALES AREAS

Presentation spaces and show-rooms are as diverse as the customers of different retail brands. To create the perfect lighting for visitors in individual rooms or entire stores and to match the company's look, Zumtobel provides L, T and X node connectors that offer endless possible combinations within a closed lighting system.

TOOL-FREE INSTALLATION

One of the TECTON continuous-row lighting system's most distinctive features is that all its components can be installed without the need for tools. Thanks to a unique, preassembled connector, the trunkings can be connected mechanically and electrically in no time. Luminaires and sensors simply click into place and can be repositioned easily.



TECTON installation video

5 connections for power supply (5 x 2.5 mm²)

Separately switchable circuits for extremely easy light control in triple circuit



4 poles for two independent emergency lighting circuits (4 x 1.5 mm²)

Two independent emergency lighting circuits allow optimal integration of emergency lighting into general lighting

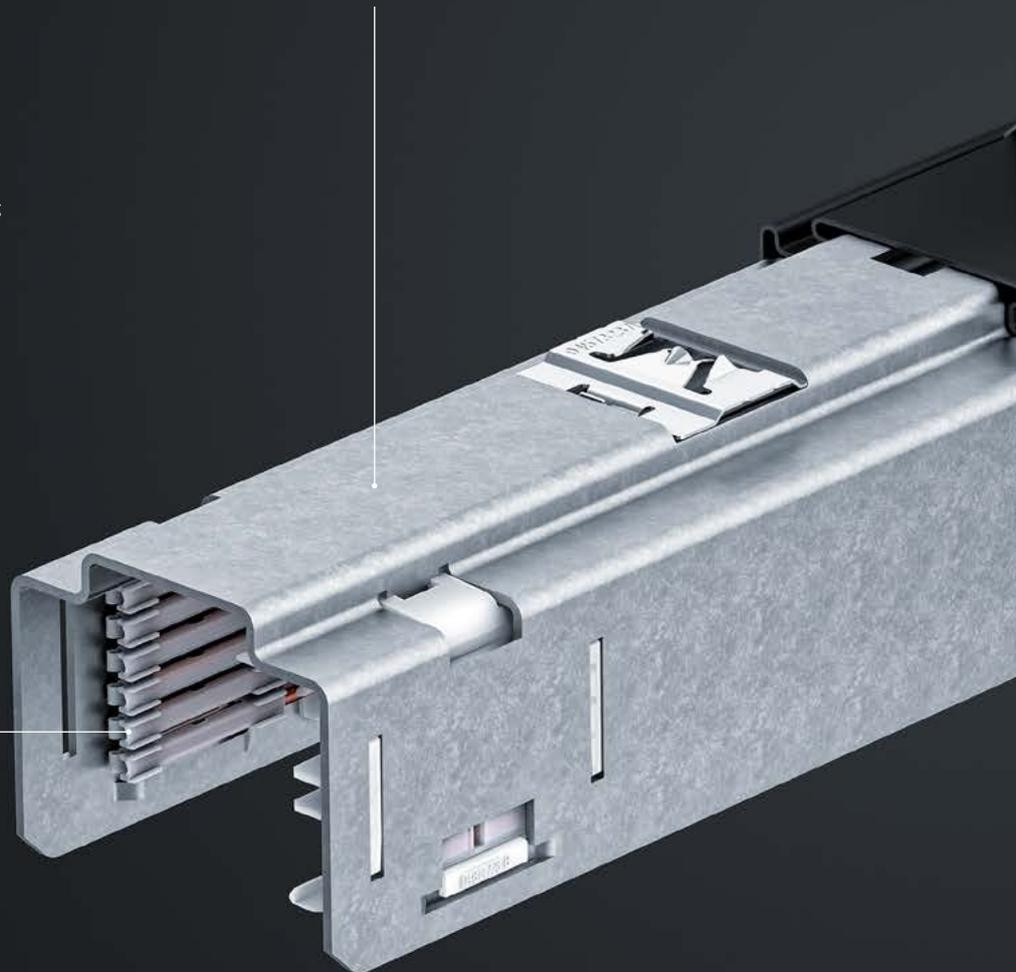


2 control lines with DALI control signal for brightness control (2 x 1.5 mm²)

Efficient, flexible, customised lighting



The trunking rail is equipped with a pre-mounted **joint connector**. This enables smooth current tapping over the entire length of the trunking - even in the joint area between two rails. The connector enables the continuous-row system to be installed without tools or accessories, while the electrical and mechanical connection process is done with a simple turn of the wrist.



Safe storage for all the technical equipment

A cable duct can optionally be fitted to the back of the track to provide space for feeding extra cables. If only one additional cable needs to be accommodated, this can also be carried in the pre-mounted cable duct inside the trunking.



**MAXIMUM FLEXIBILITY
ON A SINGLE TRACK**

Seasonal food. A new clothing collection for every season. Retail is constantly evolving – and with it the spaces in which goods are presented.

The TECTON continuous-row lighting system adapts quickly and easily to changing conditions. From light and sensors to safety lighting – thanks to the infinitely variable power tapping, all components can be positioned

wherever required across the entire length of the 11-terminal track, even in areas with coupling joints. Installation requires no tools and can be completed in record time.



**Light line in the background,
focus on products**

Zumtobel has improved the TECTON C end caps and the distances of the LEDs between the luminaires, so that when placed end to end, they produce an uninterrupted, visually continuous light line. Even in profile, the TECTON continuous row has a uniform appearance without different stages. To achieve this, Zumtobel has matched the design of all the system modules perfectly to the TECTON C profile height. The result - a uniform design language.

PREMIUM LIGHTING TECHNOLOGY MEETS MAXIMUM EFFICIENCY

Good for your budget and for the environment, the TECTON C with split-lens technology combines excellent luminous efficacy with an extremely stable level of luminous flux. In addition, the uniform light-emitting surface of the TECTON C ensures that the light line looks homogeneous, creating the perfect conditions for keeping customers attention on the presentation of the goods.

95% luminous efficacy even after 11 years

Even after 100 000 operating hours, the equivalent to around 11.4 years of continuous operation, luminous flux and luminous efficacy on the TECTON HE and HO luminaires fall by only 5% compared with the initial illuminance.

Extra length

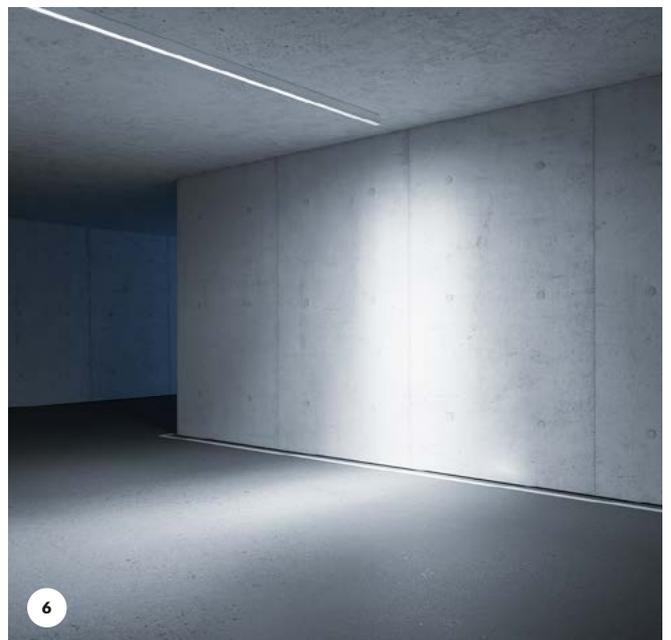
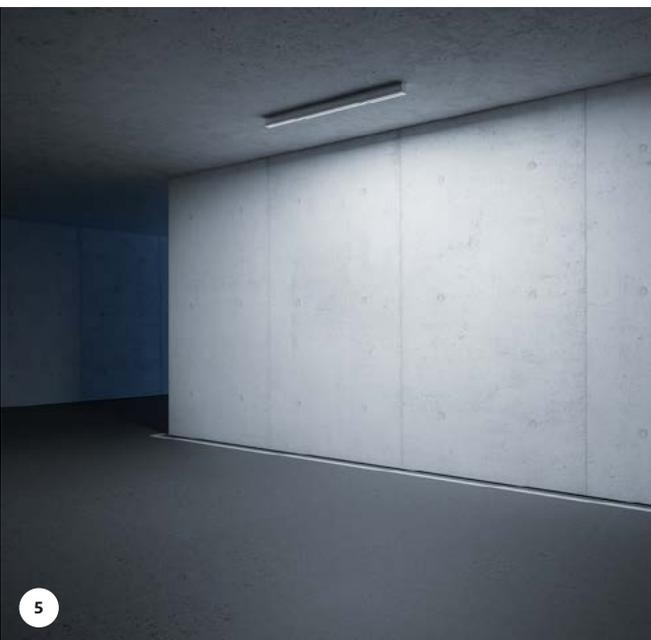
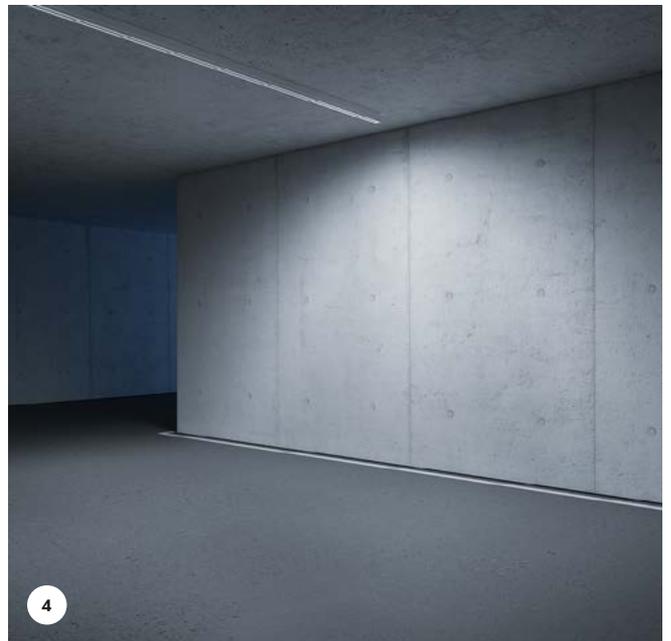
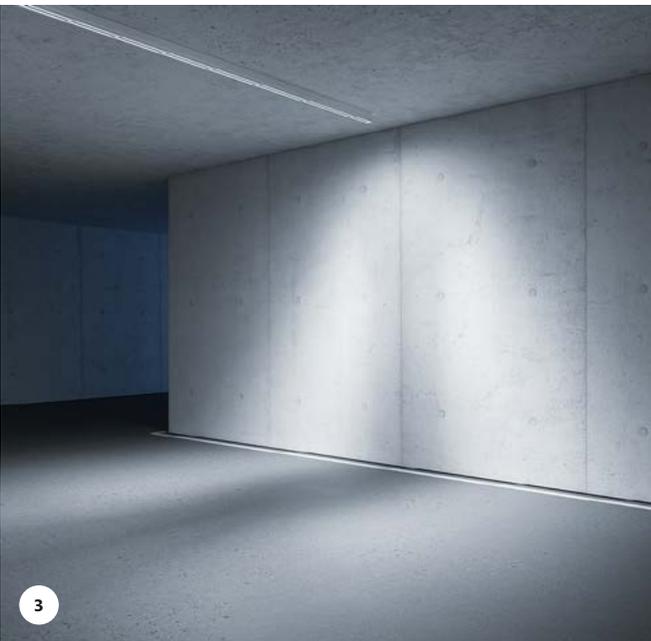
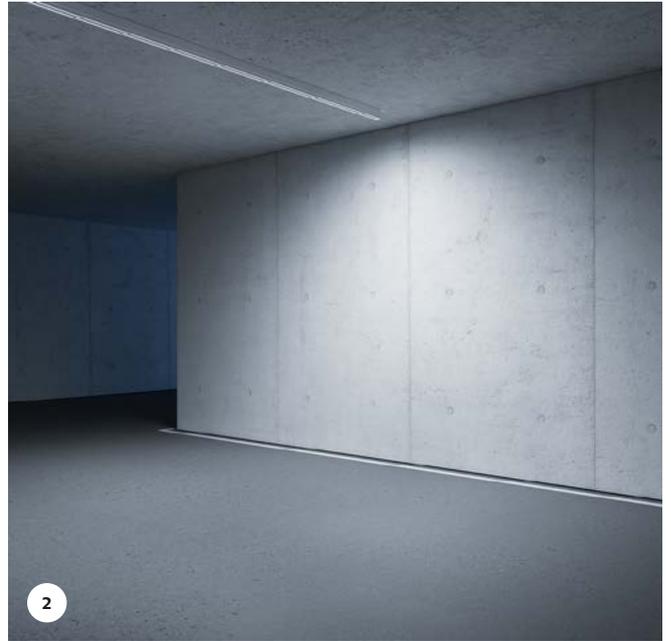
With the 2-metre model offering more benefits than the 1.50-metre variant. As around 25% fewer luminaires are required, installation time can be reduced by up to 40% compared with shorter continuous row luminaires.



Perceived glare is minimised

The unique split-lens technology of the TECTON C distributes the light specifically from the centre to the lateral edges. The luminaire therefore appears much less dazzling, the light emission surface more homogeneous.

Another advantage of the split lens is that all common light distribution curves can be created with the same appearance - regardless of whether the beam characteristic is double asymmetrical or wide-beam.



DIFFERENT LIGHTING REQUIREMENTS, ONE LOOK

All common light distribution curves can be created with the same appearance – regardless of whether the beam characteristic is double asymmetrical or wide-beam. In combination with the CG (Control Glare) reflector, the TECTON C WB can even be used for UGR < 19-compliant lighting in the checkout area.

1

Wide Beam

The wide light distribution of the TECTON C luminaire is ideal for lighting walkways and shelving areas uniformly in the retail sector. It also gives retailers greater scope for designing their shop layout: even if they reposition shelves, the luminaires do not need to be rearranged.

2

Very Wide Beam

The Very Wide Beam optic is setting new standards for lighting open retail spaces: it illuminates sales areas for seasonal goods and special offers at low mounting heights just as uniformly as it lights walkways and shelving areas in very wide aisles.

3

Shelf Beam

The Shelf Beam optic is at its best when used in presentation rooms and sales rooms. The double asymmetrical light distribution focuses on shelving areas, while walkways are lit less brightly. This directs attention to the presentation of the goods.

4

Wide Shelf Beam

An excellent combination of first-class light that is perfectly focused on the goods for food retailing: the wide, double asymmetrical light distribution is specially tailored for retail spaces in which the shelves are far apart or the ceiling height is very low.

5

Wallwasher

The asymmetrical light distribution has been specially designed for presentation and sales areas with shelving on one side only. A discreet reflector that can be clicked in quickly without using tools highlights the goods presented.

6

Narrow Beam

The Narrow Beam optic provides uniform, efficient lighting for vertical fronts of shelves. The fact that TECTON C is also available with the IP64/IP54 protection rating is particularly welcome in the food retail sector: thanks to the right degree of protection, cold-chain and deep-freeze logistics can be lit optimally.



Combining lighting solutions with TECTON keeps them flexible in the long term. Luminaires that already installed can be moved easily, and additional luminaires can simply be clicked into place where desired.

THE RIGHT SOLUTION FOR EVERY AREA

Presenting food attractively, putting seasonal items in the spotlight and avoiding glare by reflection in the checkout area – so many lighting tasks, one single continuous-row lighting system: in addition to the TECTON C, lighting designers and contractors have a wide range of other TECTON-compatible luminaires at their disposal. The unique variety of applications offers the perfect combination of general and accent lighting, optimised for the needs and workflows of the retail sector.



BASIC LIGHTING AND SHELF LIGHTING

TECTON C luminaires provide appropriate, homogeneous ambient brightness in sales rooms: they help customers to find their way around and quickly get an overview of the range of goods on the shelf. Individual lighting scenes – matched to the character and requirements of the sales ambience – are created in combination with directional accent lighting, for example.



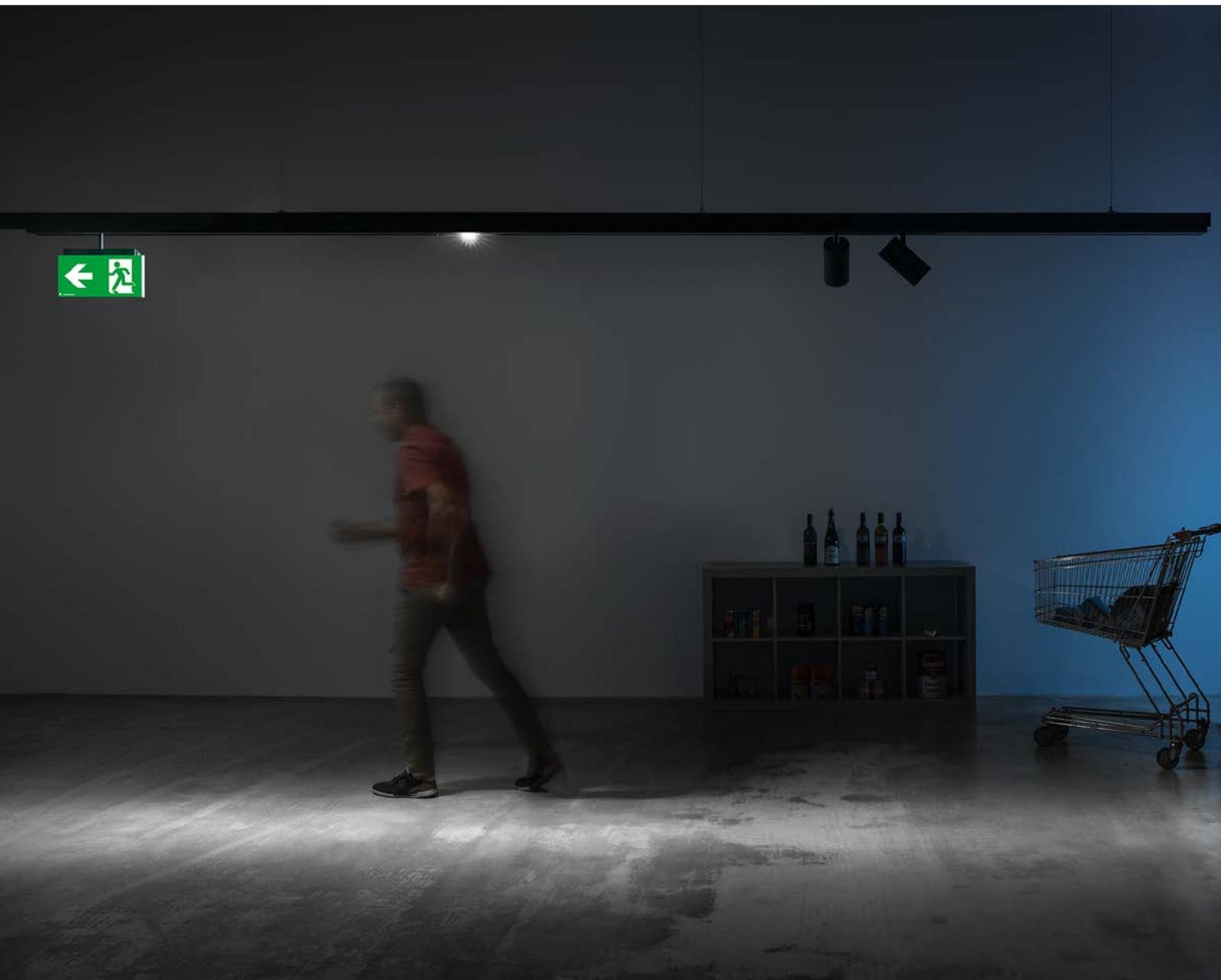
ACCENT LIGHTING

The spotlights of the VIVO II series are TECTON-compatible – and can be easily inserted into the trunking. With spotlights directed at specific points and high colour rendering, they highlight current offers and promotional merchandise in a targeted manner. The right colour temperature emphasises the natural, fresh appearance of food, whether it's fruit, vegetables, cheese, meat, gourmet products, baked goods or fish.



CHECKOUT AREA

Unwanted glare by reflection is irritating and results in premature eye fatigue. High illuminance ensures that employees can work precisely and efficiently, without making errors. Luminaires with reduced glare and UGR < 19 – for example the TECTON MIREL or TECTON MPO – are recommended here. Installed in no time, they ensure a low error rate and a consistently high level of attention.



Knowing that everything will function reliably in an emergency is priceless! Using the right emergency lighting system, every TECTON safety/escape sign luminaire can be addressed, configured and tested. For retailers, Zumtobel offers a self-sufficient and cost-effective solution for configuring and monitoring self-contained emergency luminaires (LITECOM/emCON/SB128 controller). The safest option for larger retail stores with complex emergency lighting are central systems such as nBox, eBox or CPS that give an overview of all the lighting.

Certified safety

TECTON tracks, general luminaires and emergency lighting modules are certified with the ENEC test seal. An accredited, independent testing institute confirms that the TECTON continuous-row lighting system meets all relevant EN safety standards and performance requirements. Certified safety - which benefits planners, electricians and retail customers alike.

SYSTEMATICALLY TESTED SAFETY

Signposting emergency exits, illuminating escape routes, ensuring power supply in case of emergency – all from a single source: especially in retail, safety lighting is an important part of a robust emergency response plan and demonstrates responsibility towards customers and employees. Safety luminaires and escape-sign luminaires can be integrated effortlessly into the TECTON continuous-row lighting system. Two independent emergency lighting circuits in the track provide special protection. Redundancy creates safety – after all, there is no dress rehearsal for an emergency.



ESCAPE-SIGN LUMINAIRES

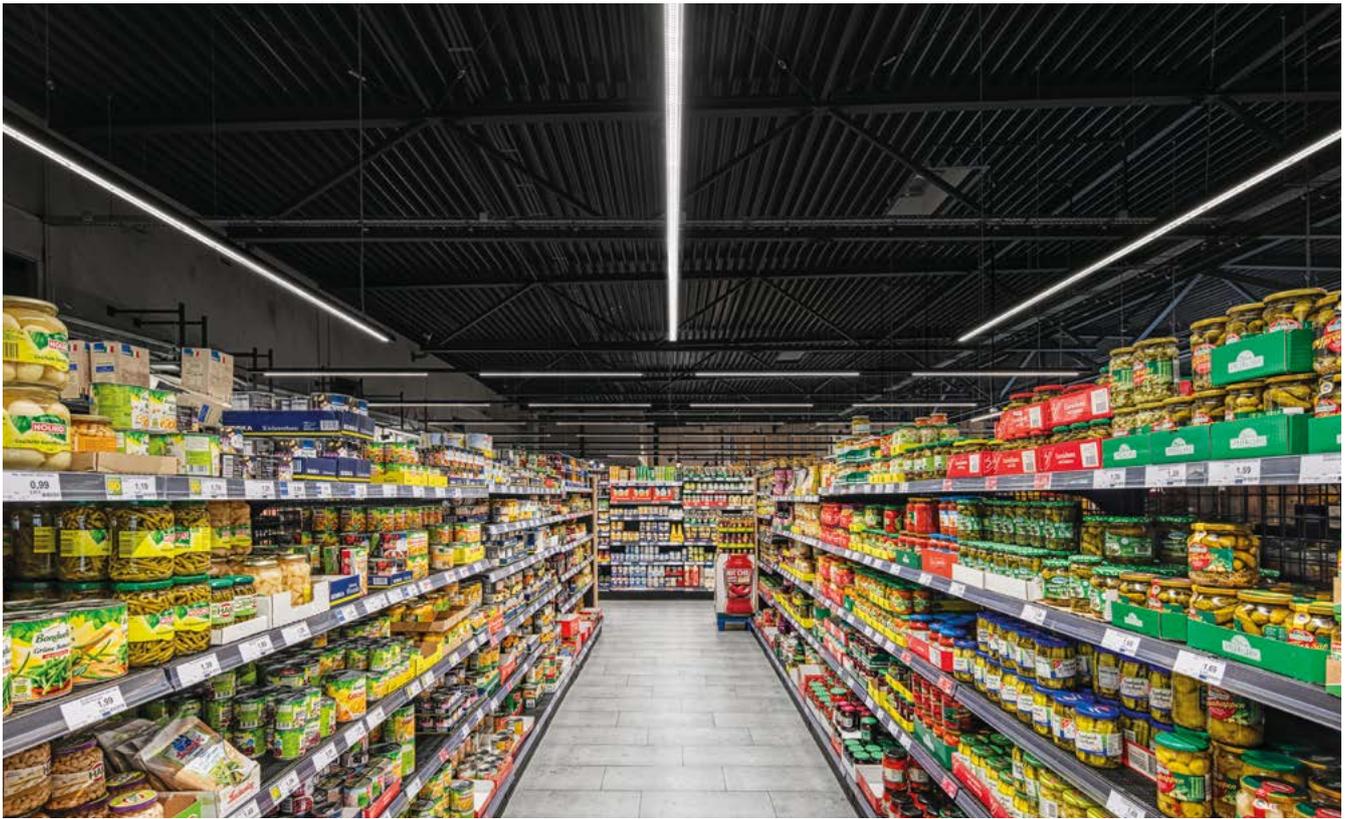
Discreet design and uniform illumination: the PURESIGN escape-sign luminaire and the all-rounder CROSSIGN can be easily clicked into the TECTON system and positioned wherever required: for maximum safety in the retail sector. Both escape-sign luminaires can also function as a safety luminaire, thanks to two rotatable ERI spots equipped with a patented lens.



SAFETY LUMINAIRES

The RESCLITE PRO modules with their innovative optics integrate unobtrusively and elegantly into the TECTON continuous-row lighting system. With powerful anti-panic, escape route and object lighting, they meet all the requirements of safety lighting. With just a few light points, the RESCLITE PRO escape perfectly illuminates escape routes in the retail sector – for example, a shelf aisle.

The innovative 90-degree optic is also ideal for shop and retail applications: it enables the illumination of two side and shelf aisles that converge at right angles. The RESCLITE PRO anti-panic provides large spaces with wide-area light, ensuring people can find their way around the sales room. RESCLITE PRO light heads can be flexibly aligned with a simple twist. For a safe way out.



SUSTAINABILITY AND ECONOMIC EFFICIENCY

Large areas, long opening and operating hours: lighting management is an important lever for retail companies in particular. It starts with energy-efficient TECTON luminaires and continues with the sensors and lighting controls integrated in the TECTON trunking. This allows individual lighting scenes that have a positive effect on the time spent in the shop to be programmed. Retail-specific accessories such as loudspeakers or security cameras can also be easily integrated into the overall system.

MANAGE LIGHT EFFICIENTLY

Motion and presence sensors can reduce power consumption by 20 to 40%, by dimming/brightening or switching off the lighting depending on presence. This can be useful, for example, in side rooms that only need to be lit when people are working there or in unfrequented corridors where a low lighting level and dimmed light are sufficient.

TIME-OF-DAY-DEPENDENT LIGHTING MOODS

Lighting control systems such as DIMLITE, LITENET and LITECOM allow time-of-day-dependent, individual light scenes to be programmed. In car dealerships, for example, high illuminance levels are required in the showroom during the day to present vehicles appropriately. In the evenings and at night, significantly reduced illuminance levels are all that are needed to create an attractive impression of the building while it is dark outside. The desired light scenes can be individually preset, assigned to times of day and also modified.

HEAR WELL AND SEE BETTER

The perfect basis for additional building services: the TECTON trunking makes it possible to supply loudspeakers electrically and to integrate security cameras mechanically. Special TECTON adapters are available for this on request. This not only ensures an attractive, calm ceiling aesthetic, but also considerably reduces the amount of installation work required. If additional cable routing is required, a cable duct on the back of the track or inside the trunking can be used.

bmLINK: control light wirelessly

Complicated, costly or simply not yet complete? In refurbishment projects without a control line, bmLINK offers an elegant solution to installation problems: wireless connection. The bmLINK module allows TECTON luminaires to be wirelessly integrated in DALI lighting control systems. The transition from a switchable TECTON system with conventional light sources to a dimmable TECTON solution is therefore made easy.



DIGITAL SERVICES WITH ADDED VALUE

TECTON is not only a continuous-row lighting system, but also the basis for a future-proof, digital infrastructure in the retail sector. Whether detecting presence, measuring air temperature or checking CO₂ levels: TECTON forms the basis for collecting, linking and interpreting data with the help of modern sensor technology. This creates additional benefits for operators and a new quality of experience for customers. The complete integration of digital services into the continuous-row lighting system allows new applications to be implemented without additional installation effort, extremely cost-efficiently and promptly.

TRANSPARENT ACCESS- ING OF OPERATING AND ENVIRONMENTAL DATA

Anyone who chooses TECTON also chooses comprehensive digitalisation and greater transparency of operating and environmental data: by integrating communication nodes directly into TECTON, not only can the operating data of the lighting system be accessed, but measurement data such as presence, air temperature or CO₂ levels can also be determined via sensors. This connectivity offers numerous advantages as soon as you evaluate the data in detail:

on the one hand, the need for maintenance of the lighting system can be detected at an early stage. The necessary measures can be planned and carried out promptly. On the other hand, the system also enables lighting-independent services: the quality of the environment is improved, the use of the sales area is optimised and the current operating status of technical devices – over and above the lighting – can be read out.

FULLY INTEGRATED, VERY SIMPLE

The TECTON continuous-row lighting system gives retail companies a smart infrastructure that supports comprehensive digital applications and industry-specific future technologies. TECTON sensors can be mounted and positioned anywhere along the entire track – maximum flexibility and straightforward handling as well as maximum cost efficiency and value enhancement in a well-thought-out system.

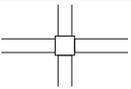
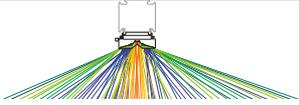
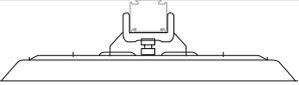
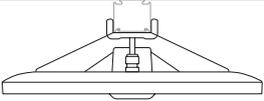
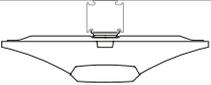
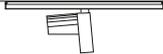
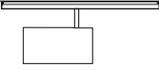
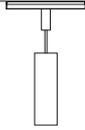
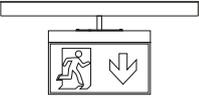
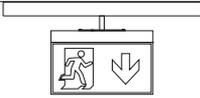


Location Based Services



Asset tracking

TECTON SYSTEM OVERVIEW

SUSPENSION	 Ceiling	 Caddy Clip	 Wall
TRUNKING	 Electric feed	 Trunking	 Node connector
CONTINUOUS-ROW LUMINAIRE	 TECTON C	 Wide Beam	 Very Wide Beam
	 TECTON MPO	 TECTON BASIC	 TECTON MIREL
INDUSTRIAL LUMINAIRES	 CRAFT II performance		 CRAFT II plus
OFFICE LUMINAIRES	 LINCOR	 ECOOS II	 MELLOW LIGHT
SPOTLIGHTS	 INTRO	 VIVO II	 PANOS infinity pendant
EMERGENCY LIGHTING	 RESCLITE PRO	 CROSSIGN	 ECOSIGN
LIGHTING MANAGEMENT	 PST	 MSENS MC/HC	 bmLINK
ACCESSORIES	 Glare Control mounting optics	 Cable duct	 Strain relief

PRODUCT RANGE TECTON



Chain



Cord



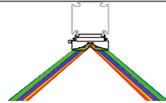
Individual trunking



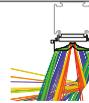
Narrow Beam



Shelf Beam



Wide Shelf Beam



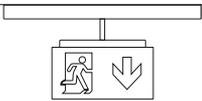
Wallwasher



AMPHIBIA



PERLUCE



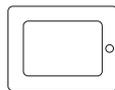
PURESIGN



ED-EYE



ED-SENS



LITECOM



DIMLITE pro



Socket element



Plastic cover



TECTON continuous-row system and components

T H E L I G H T



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