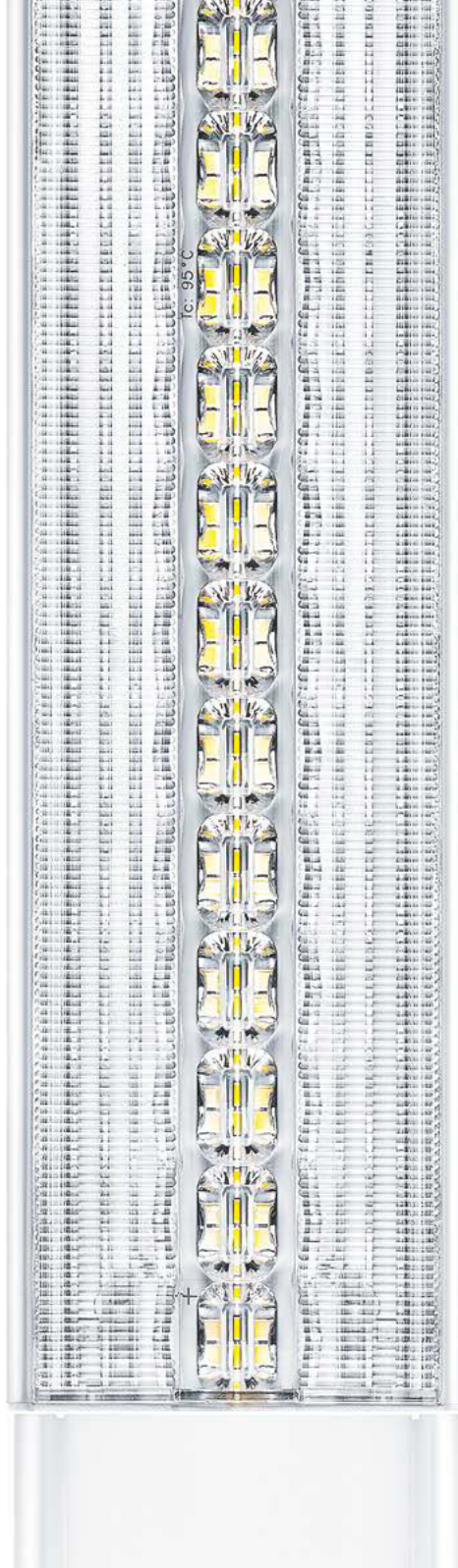




**ZUMTOBEL**



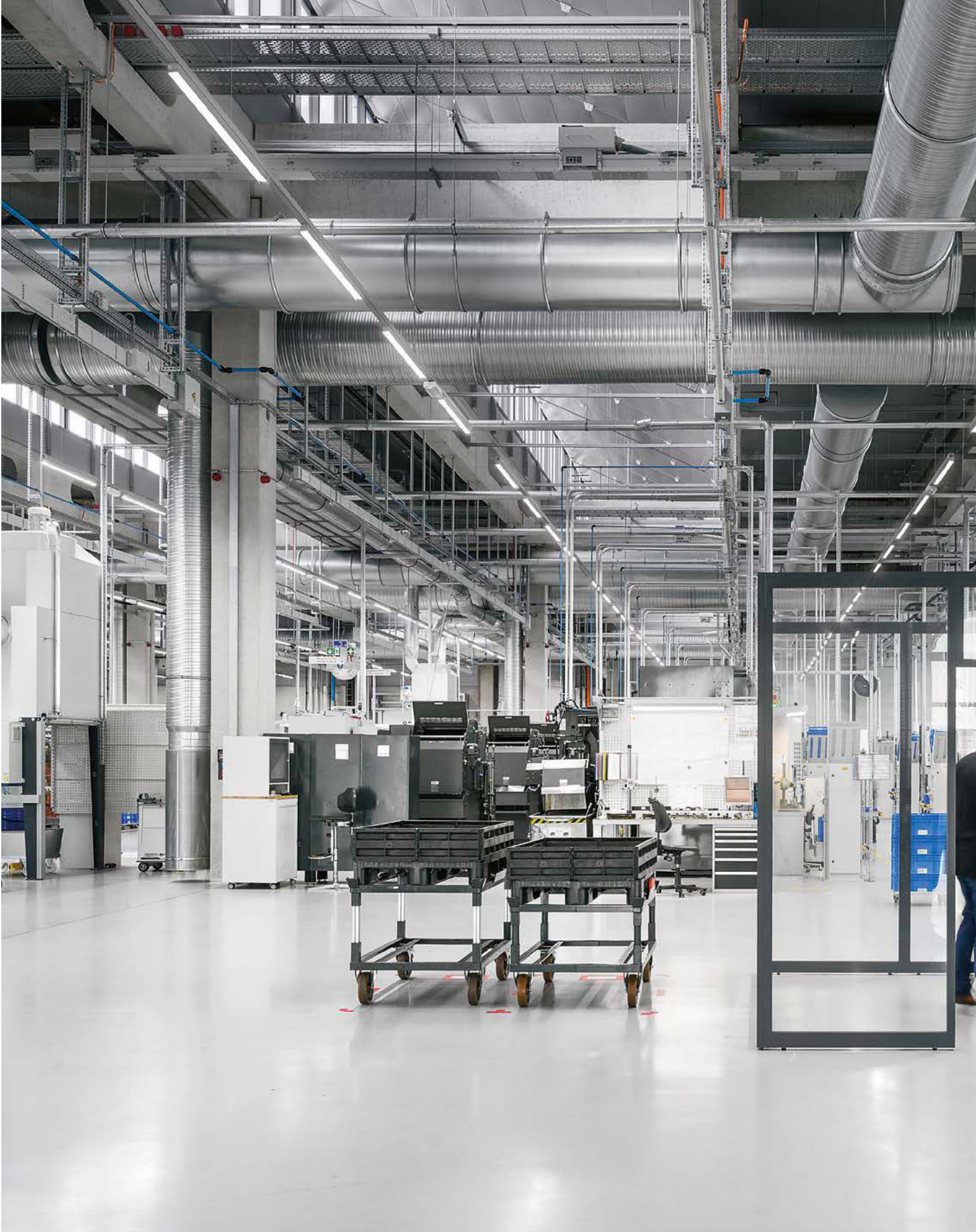
## **TECTON**

Continuous-row LED lighting system

A versatile and efficient continuous-row lighting system providing intelligent solutions for any lighting task, from LED light lines to emergency lighting.

[linked](#)

All order numbers in the PDF are linked to the Zumtobel online catalogue.



**HAWE Hydraulik, Kaufbeuren | DE**

Architects: Barkow Leibinger Architekten, Berlin | DE

Lighting design: Christian Kaindl Elektroplanung, Nandlstadt | DE









**Eurospar Schwegel, Dornbirn | AT**

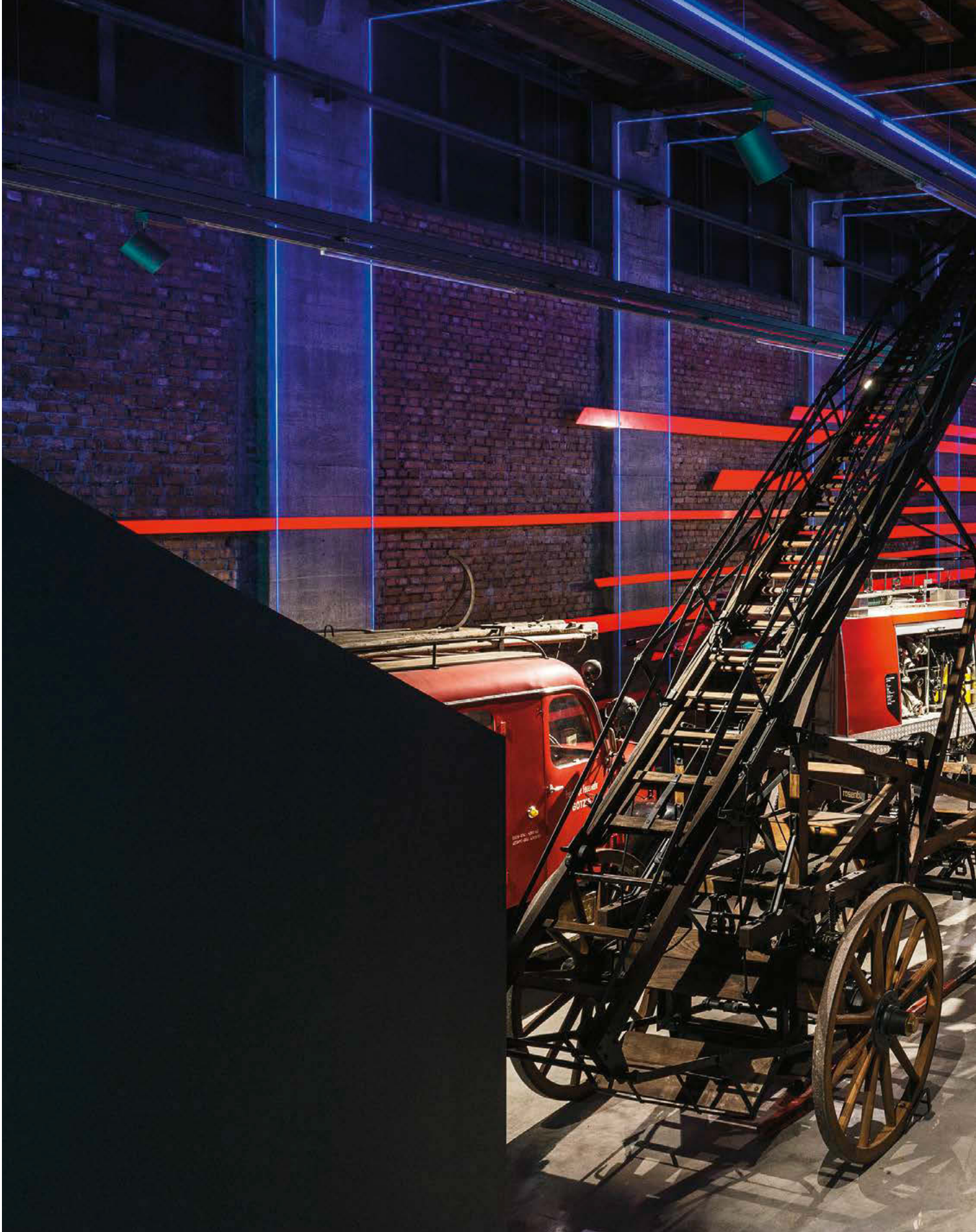
Architects: Dipl. Ing. Christian Lenz ZT GmbH, Schwarzach | AT

Electrical consultants: Müllner Energieberatung & Haustechnik GmbH, Dornbirn | AT









**County Fire Brigade Museum in the Vorarlberg Museum World, Frastanz | AT**

Architects: raumhochrosen Architekturerzeugnisse, Bregenz | AT

Lighting Solution Partner: Elektrizitätswerke Frastanz GmbH, Frastanz | AT







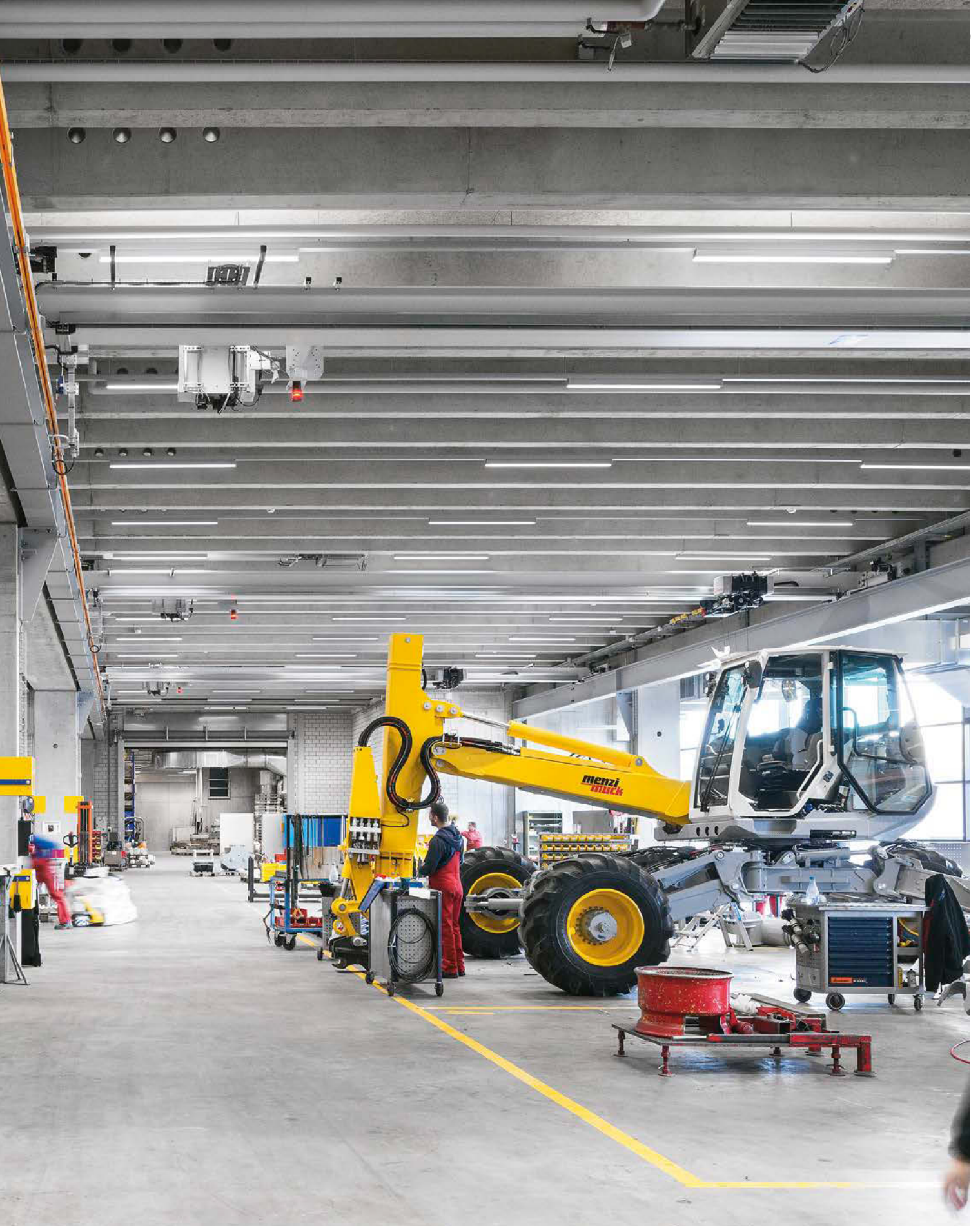


**Menzi Muck, Schützenwiese | CH**

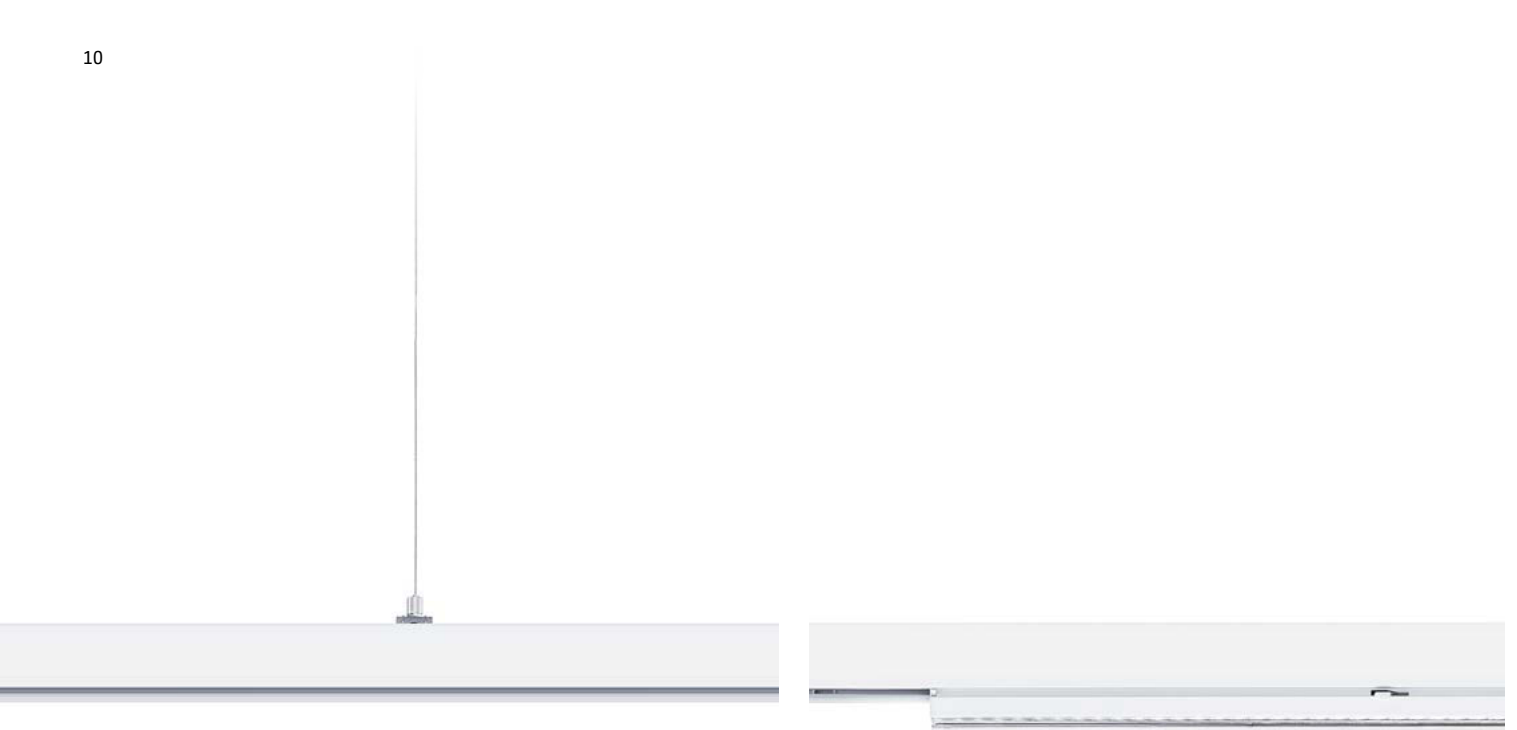
Architects: Carlos Martinez, Berneck | CH

Lighting design and electrical consultants: Schmidheiny Engineering AG, Widnau | CH









# 1

## *Trunking*

- 14** Trunking system
- 18** Node connectors
- 20** Installation options

# 2

## *Continuous-row LED lighting system*

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- 24** Split-lens technology
- 26** Typical applications
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- 36** TECTON LED – a comparison
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## **3** *Luminaire elements*

- 46** Decorative luminaires
- 50** Spotlights

## **4** *Emergency lighting Lighting management*

- 54** Emergency lighting
- 64** Lighting management



## System overview

TECTON Continuous-row lighting system

**1** *Trunking*

---

**2** *Continuous-row LED system*

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**3** *Luminaire elements*

Decorative luminaires

Spotlights

**4** *Emergency /  
Lighting management*

Emergency lighting

Sensors / Lighting management

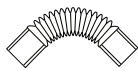




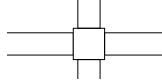
**TECTON**  
trunking



**TECTON**  
electric feed



**TECTON**  
flexible connector



**TECTON**  
node connector



**TECTON LED**  
wide Beam



**TECTON LED**  
narrow Beam



**TECTON LED**  
shelf Beam



**TECTON LED**  
wallwasher



**TECTON LED**  
Controlled glare  
optic kit



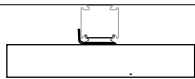
**TECTON MPO LED**



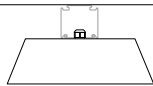
**TECTON BASIC LED**



**ECOOS LED**  
micro-pyramidal  
optic



**MIREL evolution**  
LED lens optic



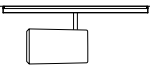
**CRAFT**  
High-bay luminaire



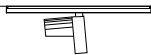
**PERLUCE**  
Moisture-proof  
luminaire



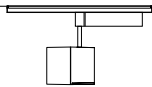
**LINCOR**  
Surface-mounted  
luminaire for office  
applications



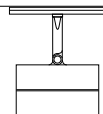
**IYON**  
LED spotlight



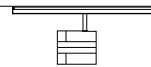
**INTRO**  
LED spotlight



**VIVO**  
LED spotlight



**ONICO**  
LED spotlight



**FACTOR**  
LED spotlight



**RESCLITE escape**  
escape route lighting



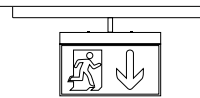
**RESCLITE escape H180**  
escape route lighting



**RESCLITE spot**  
object lighting



**RESCLITE anti-panic**  
anti-panic lighting



**ONLITE**  
escape-sign lighting



**ED-SENS**  
presence detector



**ED-EYE**  
daylight sensor



**PST**  
presence detector



**LITECOM**  
lighting  
management



**DIMLITE**  
lighting  
management



# 1 *TECTON trunking*

The floating base



TECTON is the world's first continuous-row luminaire to have an 11-pole current conducting section built into its trunking. This means that the system comes ready equipped to meet tomorrow's needs. All functions such as power supply, lighting control and connection to emergency lighting are seamlessly integrated into this multifunctional trunking. Luminaires can be positioned flexibly and the system can be adapted to suit structural alterations at any time. TECTON copes effortlessly with various lighting requirements – at the time it is installed and whenever there are changes. The TECTON trunking remains unchanged and forms the functional backbone of the system. It is simply a matter of replacing or adding luminaire elements, light sources or optics as required.





### **-55%**

In a comparison of eight different continuous-row LED systems regarding the time required for installation of a continuous-row LED system (15 m), independent refaconsult GmbH found that TECTON LED can be installed considerably faster than comparable products.

# 1

## TECTON trunking

11-pole current conducting section included



TECTON TE feed-in | 1:1 scale

### 4 poles for two independent emergency lighting circuits (4 x 1.5 mm<sup>2</sup>)

- Two independent emergency lighting circuits allow optimal integration of emergency lighting into general lighting
- High degree of design reliability, flexibility and adaptability after commissioning

### 5 connections for power supply (5 x 2.5 mm<sup>2</sup>)

- Load sharing allows triple continuous-row length
- Separately switchable circuits for extremely easy light control in triple circuit

### 2 control lines with DALI control signal for brightness control (2 x 1.5 mm<sup>2</sup>)

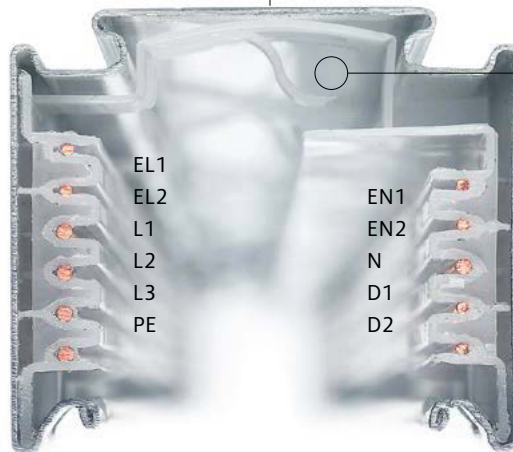
- Efficient, flexible, customised lighting for industrial and commercial buildings
- Purposefully staged lighting scenes in shops and retail areas
- Intelligent lighting management system reports all faults (e.g. electronic ballast or lamp failure)





#### Surface in white or silver finish

- Roll-formed sheet steel with option of white or silver polyester resin enamel finish



#### Optional cable duct

- Additional cable duct for running cable on rear side
- No adverse effect on trunking suspension

#### Cable duct

- Additional cable can be accommodated if required

1:1 scale

#### Continuous butt joint connector

- Thanks to the continuous butt joint connector (patent pending), power can be tapped into over the entire length of the trunking (11 poles)
- Preassembled connector makes it possible to join trunking units without the use of any tools
- Electrical and mechanical connections are established without any tools with a simple turn of the wrist

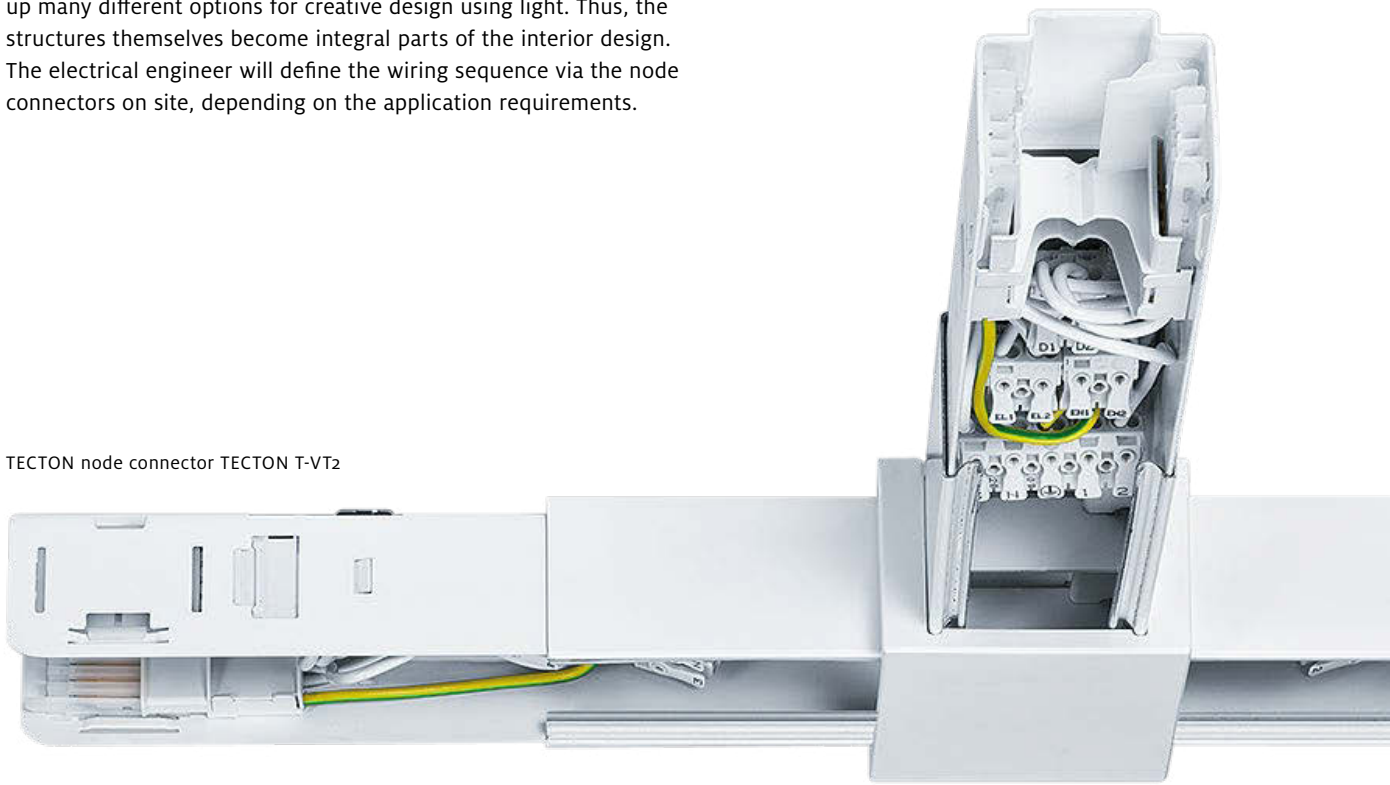
# 1

## TECTON trunking

### Node connector

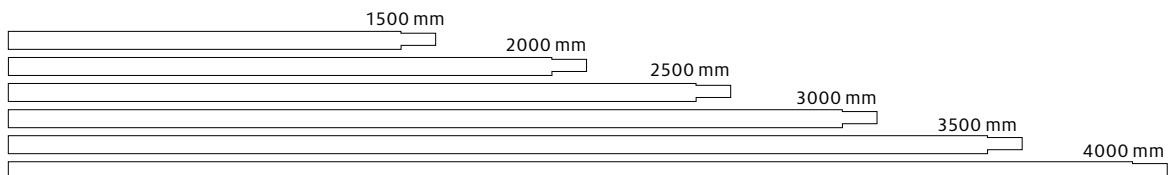
Using various node connectors, the TECTON continuous-row lighting system can be assembled and combined in a myriad of variants, fully meeting the respective requirements in terms of design and lighting technology. TECTON L-, T-, X- and flexible connectors open up many different options for creative design using light. Thus, the structures themselves become integral parts of the interior design. The electrical engineer will define the wiring sequence via the node connectors on site, depending on the application requirements.

TECTON node connector TECTON T-VT2



### Wide range of trunking options

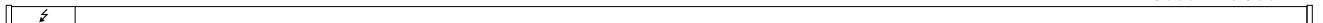
Design and implementation are made easy thanks to gradation in 0.5 m increments.



### Trunking kit

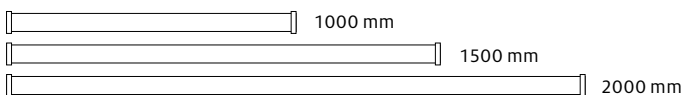
Pre-assembled trunking unit which comprises T-trunking and TE electrical feed with end caps and protective covers.

5000 – 29 500 mm



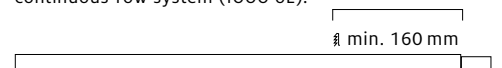
### Individual trunking units in two lengths

This means that individual luminaires have the same appearance as the continuous-row system.



### Blank end trunking

Can be cut to length by the customer, at the end of the continuous-row system (1000 oE).





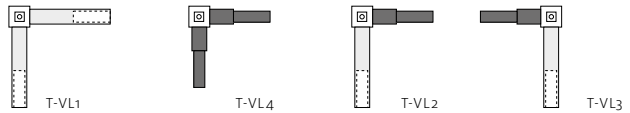
View from ABOVE



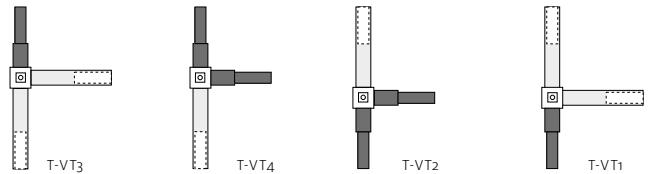
View from BELOW

View from above

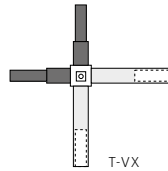
L node connector



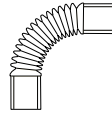
T node connector






X node connector



FLEX - flexible connector



For installation examples, see [zumtobel.com/tecton](http://zumtobel.com/tecton)

-  Fixing point
-  Electric feed
-  Feed-out

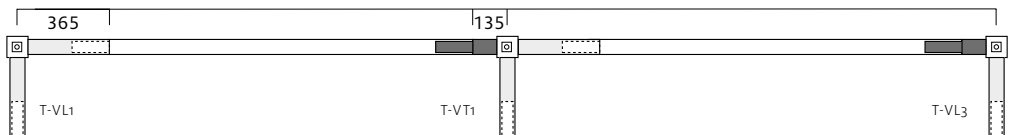
Calculating axial dimensions with node connectors

The axial dimension can be calculated very easily: two connectors together give 0.5 m. The trunking units are also provided in increments of 0.5 m. Therefore the axial dimension is always the trunking length plus 0.5 m.

Example: (view from above):

**Axial dimension (mm) = length of trunking + 500 mm**

**Axial dimension (135 mm + 365 mm = 500 mm) + trunking T 1500 – T 4500**

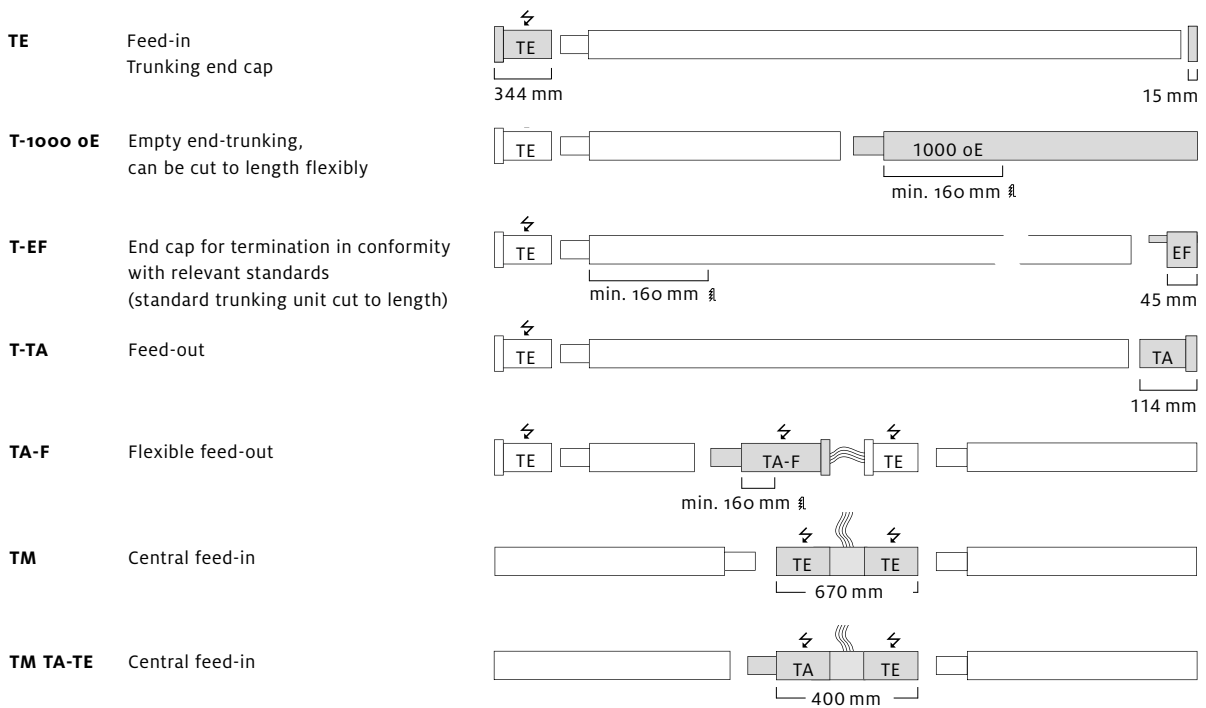


# 1

## TECTON trunking

### Installation options

#### Possible feed-in and feed-out points



#### Possible feed-in and feed-out points

TECTON provides a wide variety of possible feed-in and feed-out points to cope with customer-specific requirements and conditions. An additional feed-in point is recommended for continuous-row systems which are longer than 50 m. TECTON central feed-ins are perfect for this purpose, especially since they do not disrupt the visual continuity of a continuous-row system.

**Note:** TECTON LED battens in lengths of 1000 mm, 1500 mm and 2000 mm fully conceal the input/output feeder (no ONLITE emergency luminaires). This is not possible with spotlights, sensors and RESCLITE emergency luminaires due to the close rotary toggle spacing.



## Fixing options

### Cord suspension using Clix mechanism

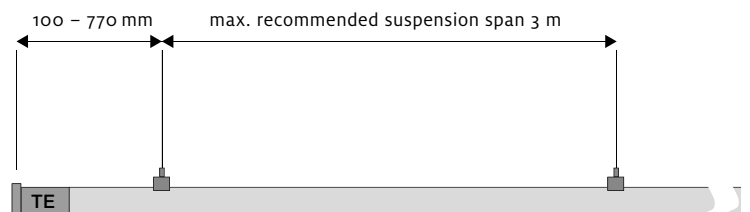
Nothing is easier than fixing TECTON trunking. An ingeniously functional mounting bracket provides a clever link between the wall or ceiling and the trunking. The cord suspension can be fixed to the trunking without the use of any tool by exerting slight pressure, and it can also be moved as required. Pendant height adjustment is also entirely tool-free.

TECTON cord suspension | 1:1 scale



From left to right:

- Wall fixing**
- Ceiling fixing**
- Caddy fastener**
- Cord suspension**
- Chain suspension**



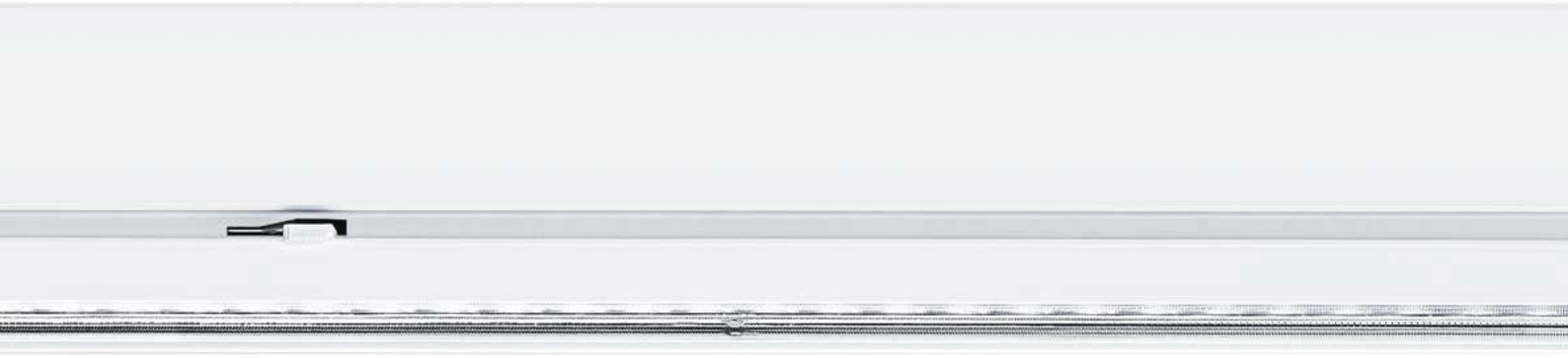
### Suspension spans

A maximum suspension span of 3 m ensures quick and easy installation with fewer suspension points.

May be installed by qualified personnel only.

# 2 *TECTON LED continuous row*

Efficiency combined with outstanding lighting quality



- Split lens technology
- 2 m LED batten luminaire to save 40 % of assembly time
- IP50 for LED and optic as standard

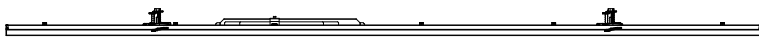
The new generation of the TECTON continuous-row LED lighting system features improved energy efficiency on the one hand, and a significantly pared-down stylistic idiom on the other hand. All that is needed to create a continuous-row LED lighting system is a trunking unit and an LED luminaire. Even where various different distribution characteristics are placed next to each other, TECTON LED appears as a consistent continuous-row system, without any visual interruption or different reflectors. As the LED system is 100% compatible with the entire TECTON product range, T16 and T26 luminaires already in place can be replaced easily and without any tools by the new continuous-row LED system. Thanks to an audible and visible fastening system, the luminaire and the pre-wired 11-pole trunking are quickly and securely connected.

Design of TECTON LED: Zumtobel





module lengths



2000 mm, up to 16 000 lm



1500 mm, up to 12 000 lm

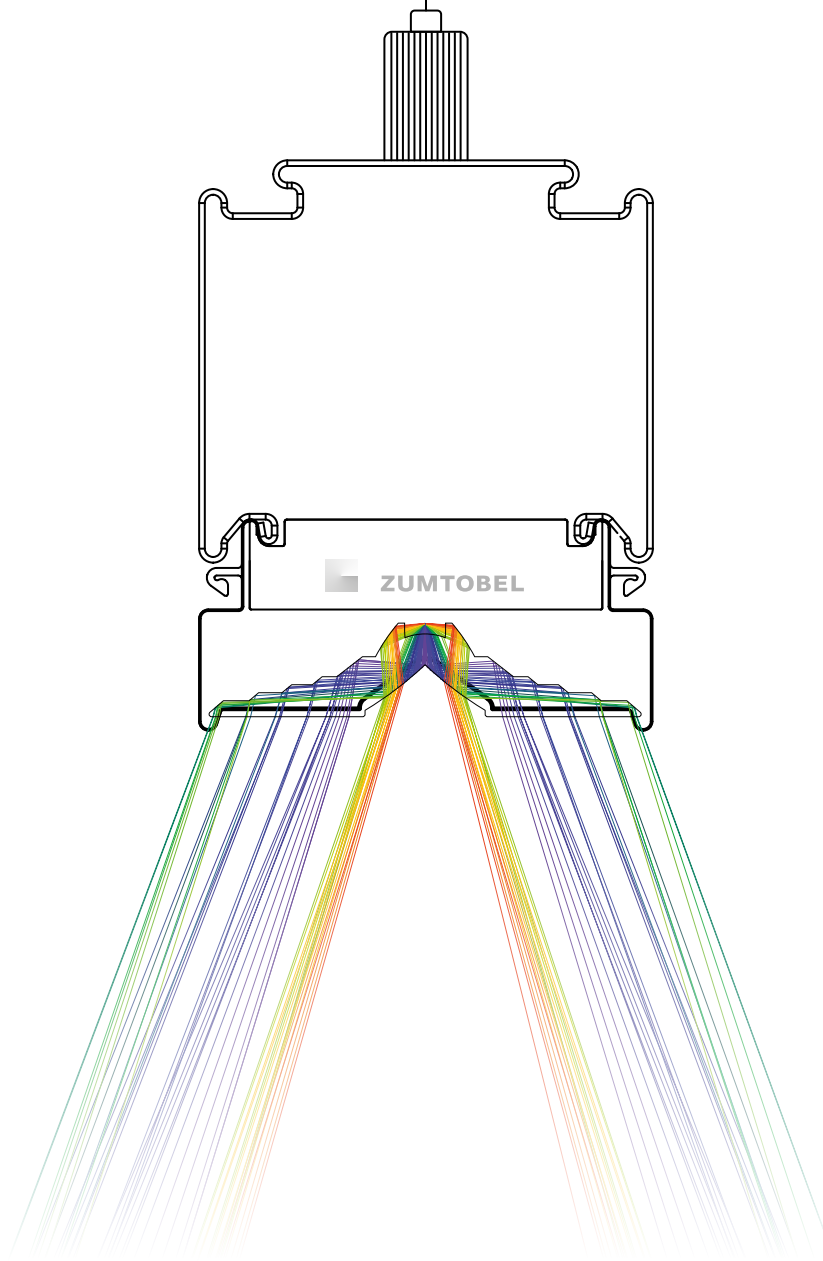


1000 mm, up to 8000 lm

# 2

## TECTON LED continuous row

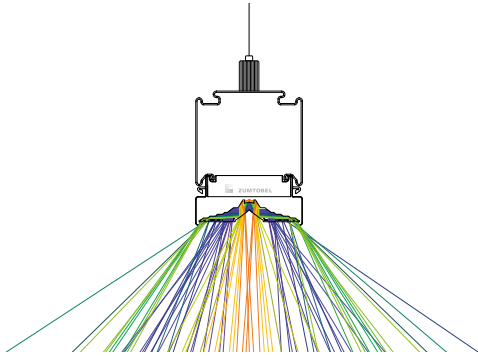
Split-lens technology



### Split-lens technology

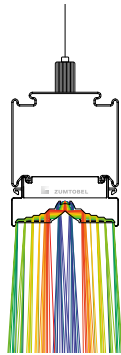
The split lens directs the light in a targeted, efficient manner from the centre to the lateral areas. Accordingly, the lighting pressure in the middle is reduced, and the luminaire causes much less glare – without any negative effects on the light distribution curve. With the split-lens concept, all known beam patterns can be realised. The position of the LED remains visible, but in contrast to conventional lenses, the luminaire surface can be extended to the entire width, thus clearly gaining in homogeneity.





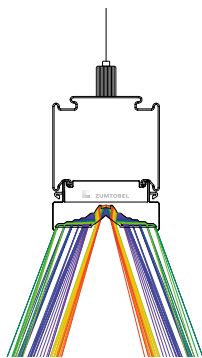
#### TECTON LED **Wide beam**

The wide-beam optic is equally suitable for handling decorative as well as technical tasks. Its medium-wide light distribution is ideal for lighting shelf surfaces and aisle zones. It also illuminates surfaces without shelves, e.g. manufacturing areas, uniformly.



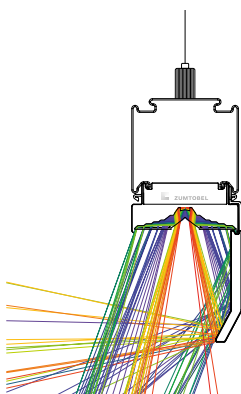
#### TECTON LED **Narrow beam**

Specially developed for use in industrial and engineering applications, the narrow-beam optic ensures efficient, uniform illumination of the vertical fronts of shelving. With a maximum mounting height of around 18 m, it easily copes with medium and large room heights.



#### TECTON LED **Shelf Beam**

The shelf beam optic really comes into its own in presentation applications and retail spaces. Its symmetrical light distribution focuses on shelf surfaces; aisle zones are not as brightly lit. This way, customers' attention is directed to the goods that are on display.



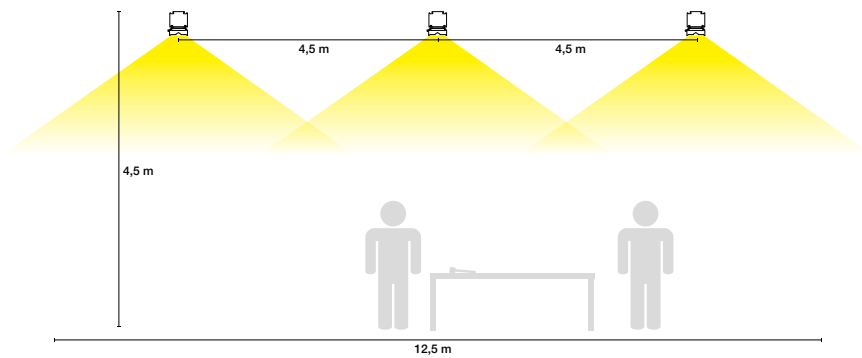
#### TECTON LED **Wallwasher**

The wallwasher's asymmetric light distribution is specially designed for presentation and retail areas where there are one-sided shelf surfaces. An unobtrusive reflector that can be clicked into place quickly and without any tools presents goods in the right light.

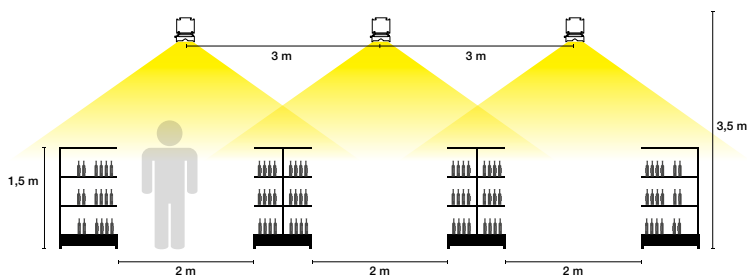
# 2 TECTON LED continuous row

Typical applications

## TECTON LED Wide beam

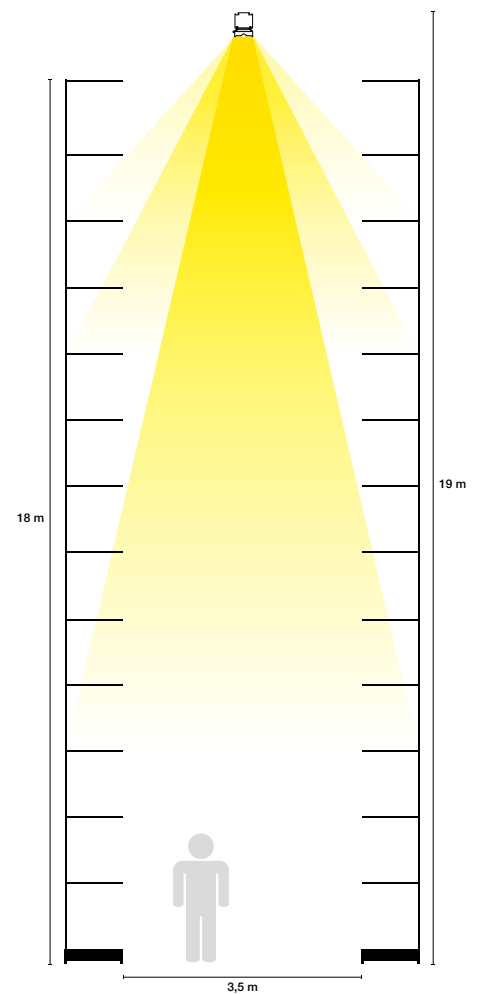


- Emphasis is placed on uniform illumination of aisle zones, shelf surfaces and larger surfaces.
- The lighting solution can be designed and deployed regardless of the positioning of the individual shelves.
- This allows subsequent alteration of the positions of shelves – without the need to modify the placement of luminaires.



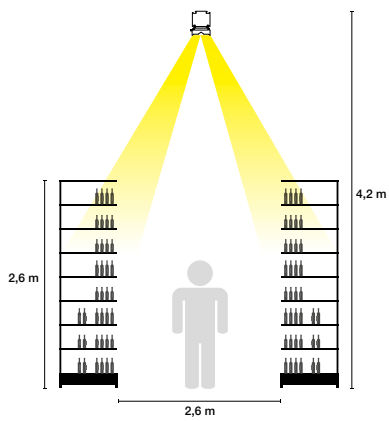
- Emphasis is placed on uniform illumination of manufacturing areas.
- The lighting solution can be designed and deployed regardless of the positioning of the respective machines and production areas.
- This allows subsequent repositioning of machines and production areas – without the need to modify the placement of luminaires.

## TECTON LED Narrow Beam



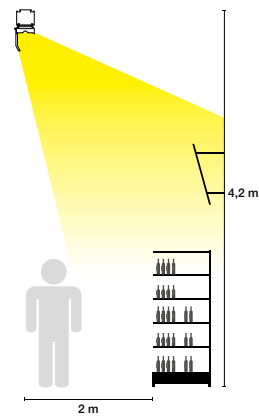
- Illuminance levels are optimised for medium to-high shelving, emphasis is placed on aisle zones.
- The lighting solution is specifically designed and fitted to match the relevant shelving situation.
- This results in optimised lighting of the aisle zones in question.
- Uniform illumination of shelf surfaces.

### TECTON LED Shelf Beam



- Emphasis is placed on high-intensity, uniform illumination of one-sided shelf surfaces.
- The lighting solution is specifically designed and fitted to match the relevant shelving situation.
- An unobtrusive reflector is used to direct customers' attention directly to the shelf surfaces and products that are on display.

### TECTON LED Wallwasher

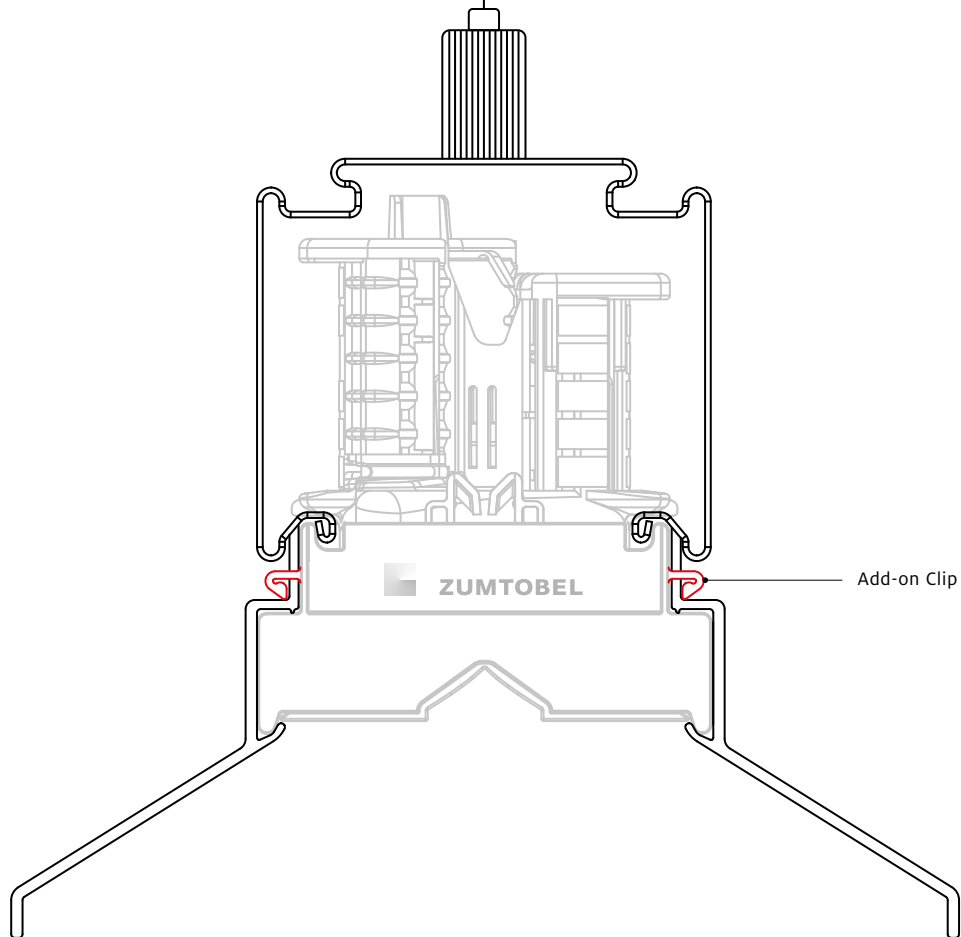


- Emphasis is placed on high-intensity, uniform illumination of shelf surfaces.
- The lighting solution is specifically designed and fitted to match the relevant shelving situation.
- This directs customers' attention directly to the shelf surfaces and products that are on display.



# 2 *TECTON LED continuous row*

Express assembly of individual reflectors



## **Add-on clip**

This small mounting clip provides for a lot of creative leeway. Reflectors designed according to the customer's needs will change the lighting effect and the geometry of a TECTON LED luminaire, thus allowing for an individual stylistic idiom. The big advantage on site: using the add-on clip, the extra attachment can be mounted quickly and comfortably.



### **TECTON LED CG reflector**

As the name indicates, a so-called CG (Controlled Glare) reflector reduces glare. The TECTON LED CG reflector decreases the UGR index to below 19. In this way, the requirements with respect to standard-compliant glare control are met for applications such as the checkout area of supermarkets. Assembly takes place quickly and easily with the add-on clip.



## *Up to 149 lumens per watt*

TECTON C LED 7400-865 L2000 WB

### **Consistently efficient**

Linear lighting: TECTON LED integrates light source, batten luminaire and reflector into a visual and functional unit. Compact yet versatile, the linear luminaire radiates utter calmness: continuous-row systems without butt joints, uninterrupted light lines leading across the room. Pre-assembled end caps as standard reduce the number of components, thus clearing the way for a 100% seamless, quickly assembled continuous-row LED system.

Requiring little effort: Thanks to its luminaire efficiency of up to 149 lumens per watt, TECTON LED provides crucial economic benefits. Less maintenance effort means less time out, and the costs will be reduced even further thanks to lower energy consumption. Thus, investing in a TECTON LED lighting solution will pay for itself within a very short period.

TECTON provides a good colour rendering index of Ra 80 and a long service life – so that even after 50 000 hours of operation, 90 percent of the initial luminous flux will still be achieved.





# 2 TECTON LED continuous row

Lumen packages

TECTON LED **High Output** and **Extreme High Output** allow for extended luminaire spacings on the continuous row without reducing the quality or the amount of light, thanks to innovative lighting technology and high lumen packages. Even the distance between continuous rows can be significantly increased. In summary, fewer luminaires are required and the investment will pay off over a shorter period of time.

## 2 metre LED batten



High Efficiency		7400 lumens (up to 149 lm/W)
High Output		10 500 lumens (up to 142 lm/W)
Extreme High Output		16 000 lumens (up to 138 lm/W)

## 1.5 metre LED batten



High Efficiency		5500 lumens (up to 148 lm/W)
High Output		8000 lumens (up to 142 lm/W)
Extreme High Output		12 000 lumens (up to 137 lm/W)

## 1 metre LED batten



High Efficiency		3700 lumens (up to 141 lm/W)
High Output		5200 lumens (up to 140 lm/W)
Extreme High Output		8000 lumens (up to 131 lm/W)



## Product features

### LED perfection

With a colour rendering index of up to  $R_a > 80$  and colour temperatures of 3000 K, 4000 K and 6500 K, TECTON LED demonstrates its excellent lighting quality

### Chemical resistance

Only carefully selected materials with increased chemical resistance are used for all TECTON luminaires and components.

### Split-lens technology

Light that is dispersed directly within the split lens increases the homogeneity of the light-emitting panel, reducing glare and lighting pressure at the same time – in all four optics. This versatility and precision perfectly prepares the TECTON LED luminaire for the manifold tasks in industrial facilities and retail settings; their light control fully displays the benefits of LED by optimising horizontal and vertical illuminance levels and avoiding spill light.

### As standard: IP50 rating

In all optical variants, TECTON LED continuous-row luminaires dispose of the increased IP50 rating for LEDs and optics. Overlapping lenses and end pieces provide protection against soiling, eliminating cleaning effort and resulting in high mechanical stability. The thus extended maintenance cycle is very convenient, especially in the case of major exposure to soiling.

### Quick installation

The LED continuous-row system is compatible with the entire TECTON product range. The luminaire and trunking are attached to each other quickly and securely thanks to a system that provides an audible and visible indication of locking. Familiar, tried-and-tested features, such as Plug & Play and no-tool installation, have been retained. TECTON LED is therefore also time-efficient.

## TRIDONIC

### Optional control gear

Upon request, TECTON LED continuous-row luminaires are available with industrial control gear from Tridonic, which offers an extremely long service life of 100 000 hours.



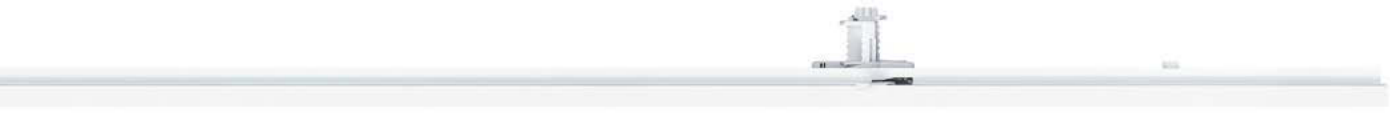
# 2 *TECTON LED continuous row*

The new standard at the installation site: 2 m continuous-row luminaires



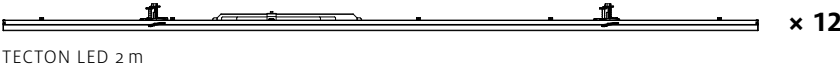
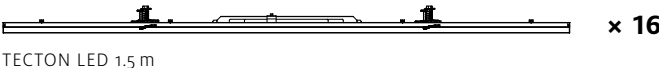
- up to 40 % shorter installation times
- up to 25 % fewer individual luminaires
- luminous intensity levels of up 16 000 lm

Regardless of conventional lamp lengths, TECTON LED is now available as a 2 m continuous row, presenting itself in the best light right from the start: quicker assembly, fewer individual luminaires, and an increase of efficiency by 5 per cent into the bargain. As compared to continuous-row systems featuring a length of 1.5 m, the new 2 m continuous-row luminaire also means less individual packaging and fewer parts at the installation site. Nevertheless, the 2 m unit comes with the advantages of the conventional length: the lightweight continuous-row LED system is perfectly fit to be mounted by one person.



**Example of a 24 m continuous-row system**

Lower investment and quicker installation: as compared to conventional continuous-row luminaires with a length of 1.5 m, the number of luminaires required when using 2 m continuous-row luminaires is reduced by some 25 per cent. Mounting can be accelerated by a full 40 per cent.



# 2 TECTON LED continuous row

Typical application: presentation and retail

## Supermarket

LED compared to fluorescent lamps

A conventional supermarket uses T16 continuous-row systems to illuminate its shelving. A direct comparison with TECTON LED Wide Beam makes the strengths of the practically maintenance-free LED solution obvious: taken over a period of 15 years, total costs of ownership are reduced by 39% and 43% for the 1.5 m LED batten and the 2 m LED batten, respectively. The reduction in energy costs by up to 52% is another persuasive argument in favour of using LED lighting in environmentally responsible retail operations.

### Underlying conditions

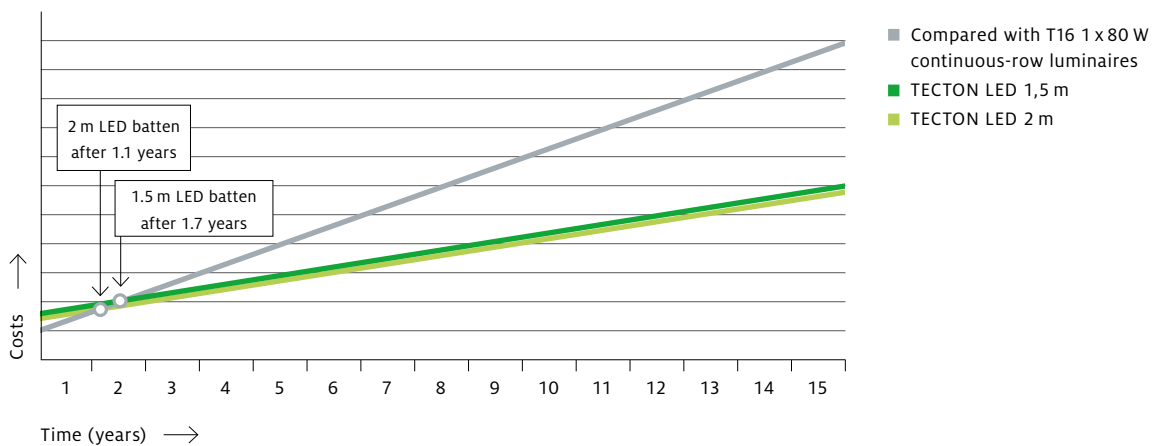
Conventional T16 luminaires  
 240 T16 1 x 80 W continuous-row luminaires with shop reflector  
 Luminous flux of luminaires: 5941 lm  
 Luminous efficiency of luminaires: 69 lm/W

TECTON LED 1.5 m LED batten  
 240 TECTON LED 36.4 W continuous-row LED luminaire  
 Luminous flux of luminaires: 5400 lm  
 Luminous efficiency of luminaires: 148 lm/W

TECTON LED 2 m LED batten  
 180 TECTON LED 48.4 W continuous-row LED luminaire  
 Luminous flux of luminaires: 7200 lm  
 Luminous efficiency of luminaires: 149 lm/W

Calculation period  
 15 years

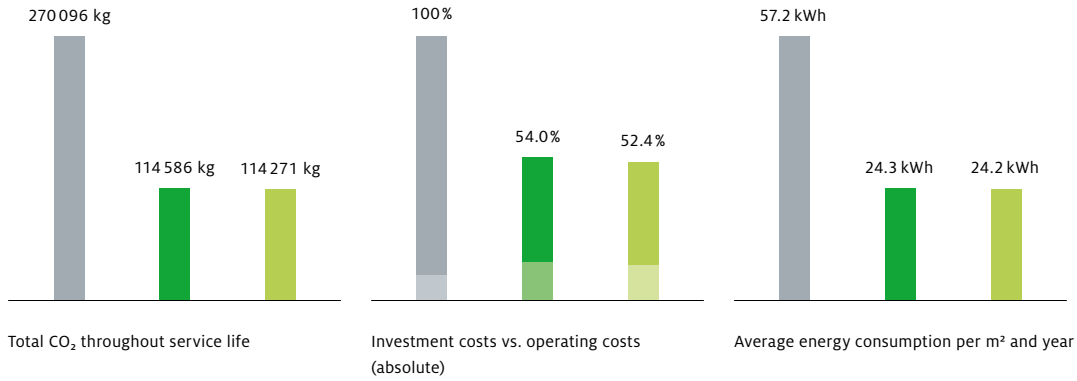
### Amortisation of costs



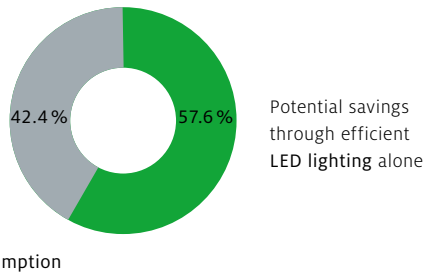
All calculations are based on an annual increase in energy and operating costs of 5%.



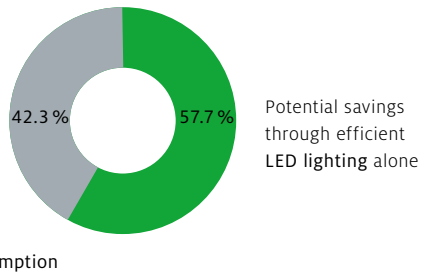
Energy consumption and costs:



Energy savings achieved with the 1.5 m LED batten



Energy savings achieved with the 2 m LED batten



ecocalc

The comparative calculation was made using ecoCALC. [zumtobel.com/ecocalc](http://zumtobel.com/ecocalc)

# 2 TECTON LED continuous row

Typical application: industry and engineering

## Production areas

LED compared to fluorescent lamps

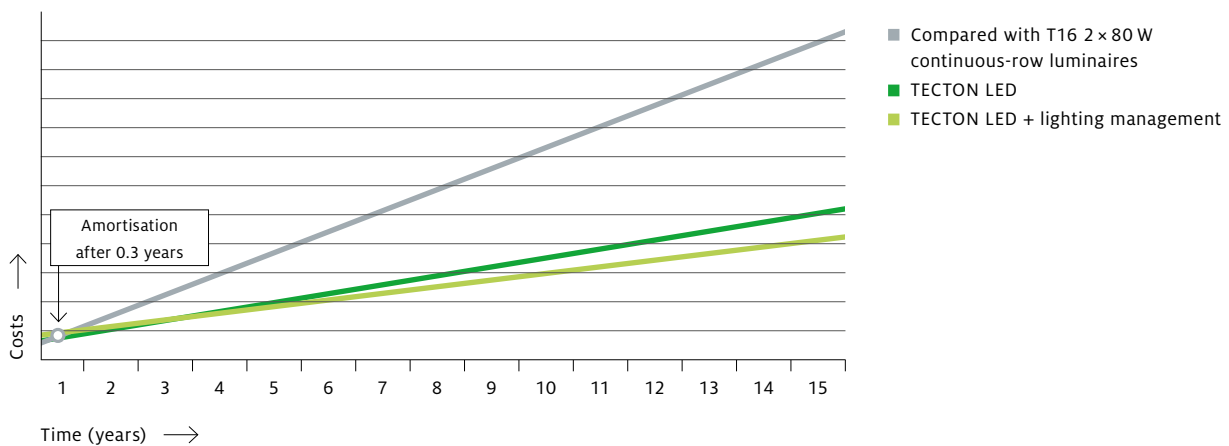
Conventional lighting for manufacturing areas is a T16 continuous-row system. If, however, the decision is made to opt for a TECTON LED Wide Beam continuous-row system, it is not just lighting quality that improves markedly. Thanks to higher light output ratio levels, fewer luminaires are required, and energy consumption will drop by 54 percent, and when combined with daylight-based control, even by 68 percent.

Taken over a fifteen-year period, the costs of the continuous-row LED system are 47 percent less than that of T16 lighting, and for a lighting solution controlled by DIMLITE, even up to 56 percent less.

### Underlying conditions

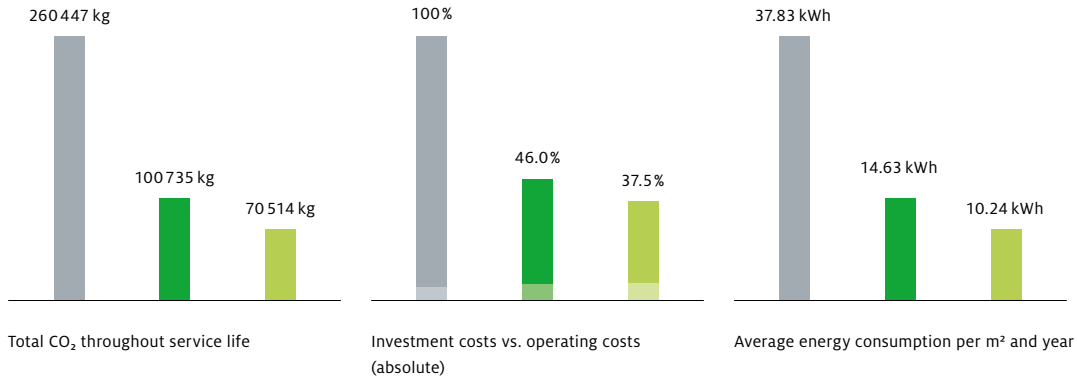
<b>Conventional T16 luminaires</b>	
110 T16 2 × 80 W continuous-row luminaires	
Luminous flux of luminaires: 12 300 lm	
Luminous efficiency of luminaires: 71 lm/W	
<b>LED luminaires</b>	
64 TECTON LED EHO 118 W continuous-row LED luminaires	
Luminous flux of luminaires: 16 000 lm	
Luminous efficiency of luminaires: 137 lm/W	
<b>Lighting management system</b>	
DIMLITE multifunction with daylight-based control	
<a href="http://zumtobel.com/dimlit">zumtobel.com/dimlit</a>	
<b>Calculation period</b>	
15 years	

## Amortisation of costs

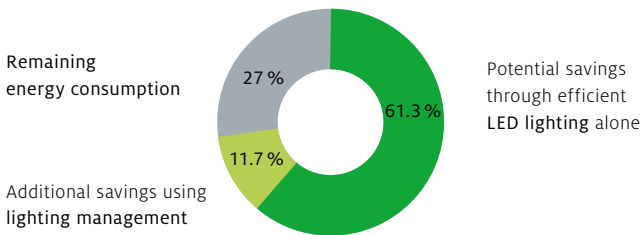


All calculations are based on an annual increase in energy and operating costs of 5%.

Energy consumption and costs:

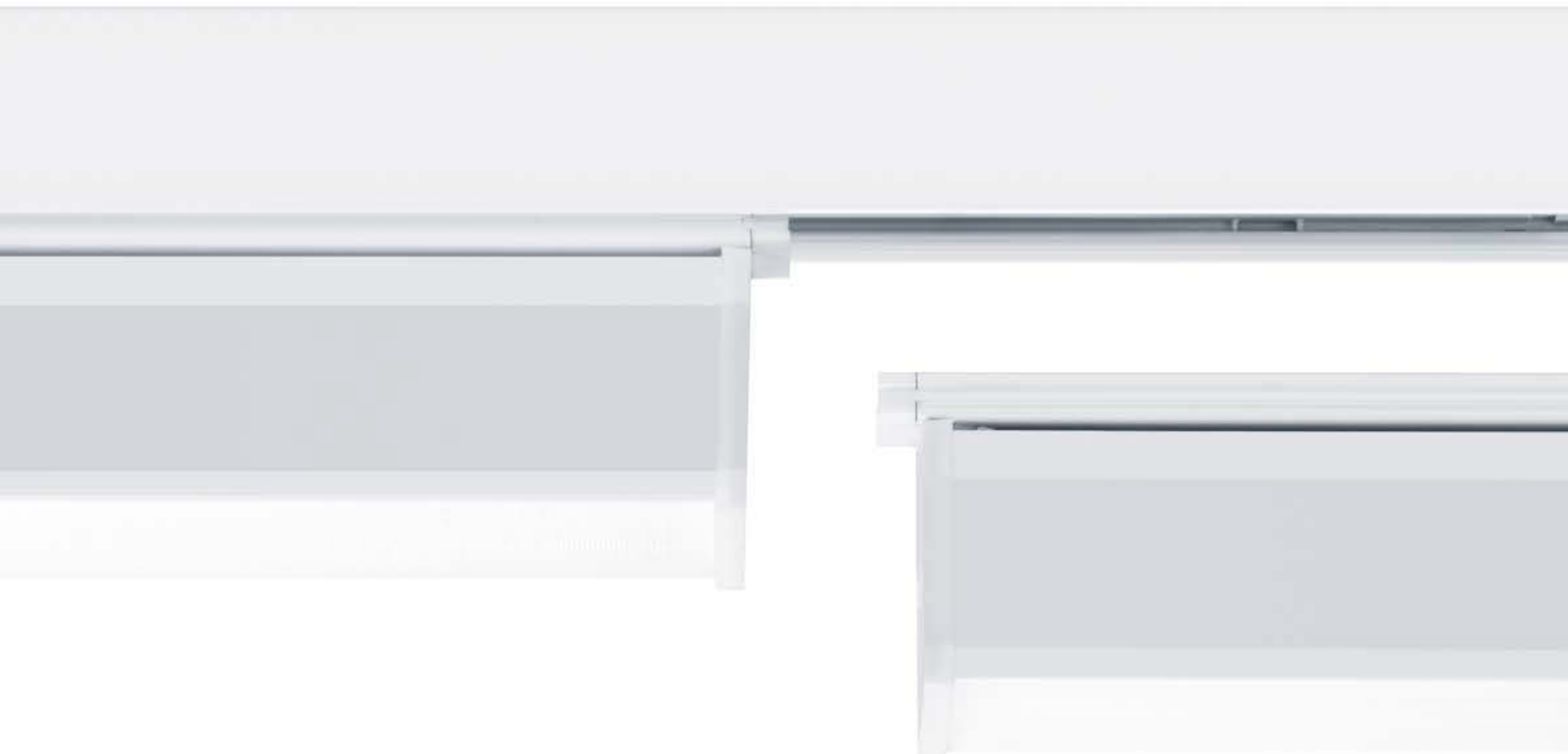


Energy consumption and costs:



# 2 *TECTON LED continuous row*

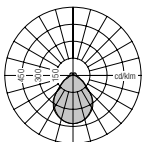
TECTON LED with micro-prismatic lens for challenging visual tasks



Workplaces for precise mechanical assembly, in laboratories, schools, supermarket checkouts or offices, impose increased requirements of the light quality. With minimised glare and reduced reflection on the work area, the 1.5 m long TECTON light bar with MPO lens fulfils such challenging visual tasks outstandingly well. Because the micro prismatic lens ensures even light distribution without the LEDs appearing as individual light points. No LED light points can be recognised even when directly looking at the luminaire. Further attractive features are the gentle ceiling brightening and the lateral translucent lens whose translucence promotes wide light distribution with soft contours.

Design TECTON MPO LED: Zumtobel



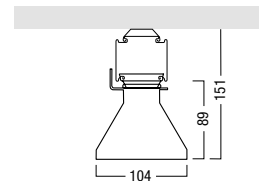
**TECTON MPO LED**

The micro-prismatic lens, MPO, completely dispels the individual light points. Disturbing point reflections on reflective surfaces are thus a thing of the past.

# 2 TECTON LED continuous row

TECTON LED with micro-prismatic lens for challenging visual tasks

LED and MPO form a unique combination: the strong LED light packages of 5500 lm, 6500 lm and 8000 lm gain unique quality thanks to the lens: Micro-prisms free the luminaire from disturbing reflections due to visible light points and minimise the subjective feeling of glare in the real application. The large, homogeneous light-emitting surface enables significantly lower UGR values with a comparable high luminous flux. TECTON MPO LED provides application-specific solution competence by means of a colour temperature of 4000 K with colour rendering of Ra 80 as well as dimmable and non-dimmable variants. The luminaire is optionally available with robust Tridonic industrial control gear. With a high degree of protection and impact resistance, LED modules and lens are ideally prepared for use in industrial environments.



#### Factbox TECTON MPO LED

Glare suppression: UGR at 5500 lm and 6500 lm < 19

UGR at 8000 lm < 22

Light emission: 5500 lm, 6500 lm, 8000 lm

System efficiency: up to 134 lm/W

Colour temperature: 4000 K

Colour rendering: Ra 80

LED and lens: IP50 degree of protection

Shock resistance: IK05

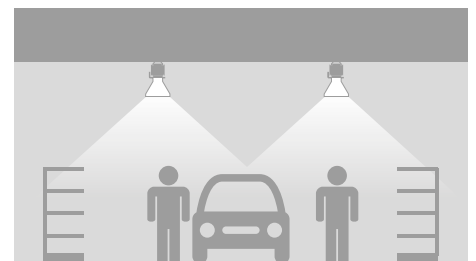
Lamp life: 50000 h with reduction in luminous flux to 90%

Ambient temperature: up to 35 °C

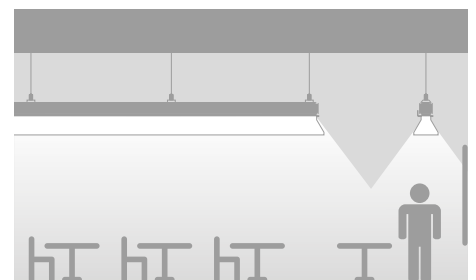
Optional industrial control gear with a very long

lamp life of 100000 hours

Luminaire has halogen-free and silicon-free wiring



Reflection-free light for challenging workplaces in industry, including production lines for cars.



High-quality light and a pleasant room atmosphere enable classroom users to concentrate better.



Figure  
in original size

# 2 *TECTON LED continuous row*

TECTON BASIC LED continuous row for simple lighting tasks



## **TECTON BASIC LED 1.5 metre**

High Efficiency



5200 lumens (up to 146 lm/W)

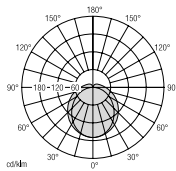
High Output



8000 lumens (up to 133 lm/W)

With the introduction of the BASIC model, an LED version is added to TECTON, probably the most versatile continuous-row lighting system available on the market. TECTON Basic was especially developed for specifications with reduced requirements, thus allowing the use of Zumtobel LED technology in areas in which conventional solutions had to be used until now.

With an LED batten luminaire that has been simplified in terms of technology and optics, TECTON BASIC features a luminous flux of more than 8000 lm and an efficiency of about 146 lm/W, and is especially suitable for less complex lighting tasks in industry and retail. The luminaire is based on the tried-and-tested TECTON trunking, which ensures easy installation, flexible use and virtually unlimited upgrading options.



TECTON LED BASIC combines the tried-and-tested TECTON trunking and Zumtobel LED technology with an LED batten luminaire simplified in terms of optics for use in areas with reduced requirements.



# 3 *Luminaire elements*

Decorative luminaires



The advantages of being mounted on TECTON trunking are now also available for the fully assembled MIREL evolution and ECOOS LED luminaires. Trunking and luminaires are perfectly prepared for integration of emergency lighting and lighting management. For TECTON, the new luminaires open up new applications such as offices, meeting rooms or classrooms, which can now be illuminated easily using efficient LED technology and a classy, discrete look. Both MIREL evolution and ECOOS LED meet maximum requirements with respect to design, energy efficiency and visual comfort. In doing so, MIREL evolution relies on the brilliance of visible lenses, ECOOS LED on the innovative combination of MPO+ and pearl diffuser with 360° light distribution. In this way, both decorative luminaires create a maximum of visual comfort and glare control.



**MIREL evolution**  
LED lens luminaire



**ECOOS LED**  
Luminaire with  
micro-pyramidal optic  
MPO+



# 3 *Luminaire elements*

Decorative luminaires



The CRAFT model suitable for installation on TECTON trunking can be assembled particularly quickly and allows for easy electrical installation. Only one trunking unit is sufficient to firmly secure the compact high-bay LED luminaire and connect it to the power supply and the lighting control system. With a simple turn of the wrist, additional products for emergency lighting can also be integrated into the reliable TECTON trunking with 11-pole current conducting section. Another benefit: luminaires already installed can be easily moved; additional luminaires can be clicked into place at the required position. In this way, the system can be adjusted to a new situation at any time.



**CRAFT**  
High-bay luminaire



**PERLUCE**  
Moisture-proof luminaire



**LINCOR**  
Surface-mounted luminaire for office applications



Easy installation is a major benefit of the compact, light-weight CRAFT industrial luminaire.

# 3 *Luminaire elements*

## Spotlights



By allowing integration of Zumtobel's IYON, INTRO, VIVO, ONICO and FACTOR spotlight ranges, the TECTON continuous-row lighting system is able to create impressive lighting accents while fulfilling all other tasks as well. Thus, the lighting requirements for shops and retail spaces – ranging from uniform illumination to impressive lighting effects using high-precision reflectors – can be mastered with high efficiency. Here, too, installation is considerably facilitated by CLIX and plug-and-play mechanisms.



**IYON**  
LED spotlight



**INTRO**  
LED spotlight



**VIVO**  
LED spotlight



**ONICO**  
LED spotlight



**FACTOR**  
LED spotlight







**Azienda Agricola Zýmè di Celestino Gaspari, San Pietro Carian | IT**

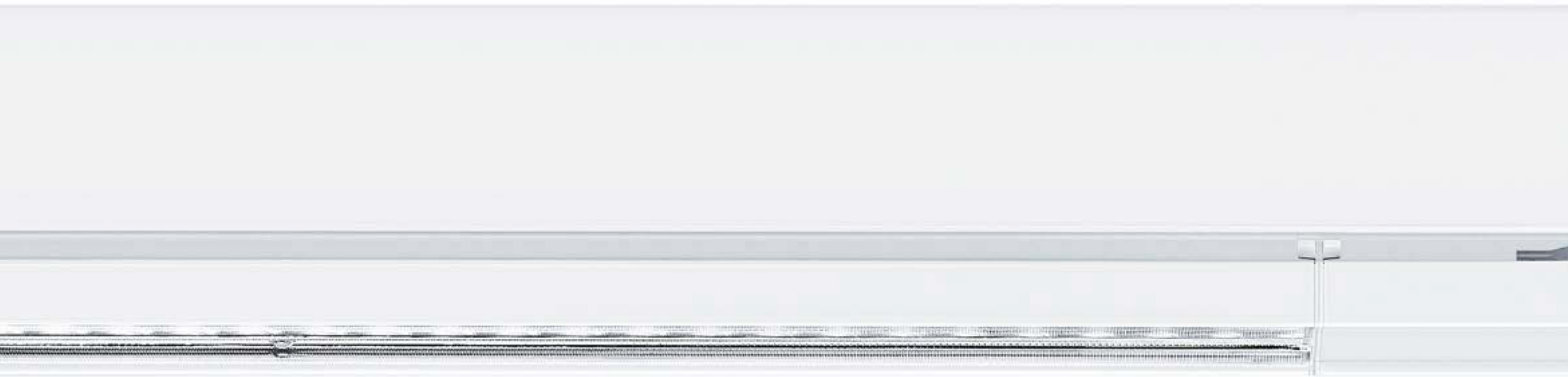
Architects: Zurlo Moreno, Verona | IT

Lighting design: Bettiol Dott. Dario / Perin Enrico, Mailand | IT



# 4 *Emergency lighting*

TECTON and ONLITE



The way TECTON interacts with ONLITE emergency lighting systems ensures optimum lighting and orientation, even in the event of a power failure. As well as making it possible to use every general lighting luminaire for emergency lighting, ONLITE offers an extensive range of emergency and escape sign luminaires with TECTON adapters. A wide variety of separate-battery, group-battery and central-battery systems are available, as well as two independent emergency lighting circuits in the TECTON trunking. Emphasis is placed on integrating emergency lighting into general lighting under ideal visual and functional conditions. All systems provide a central monitoring capability and the ability to control each individual luminaire. General lighting and emergency lighting are combined in a single highly functional, integrative lighting solution.



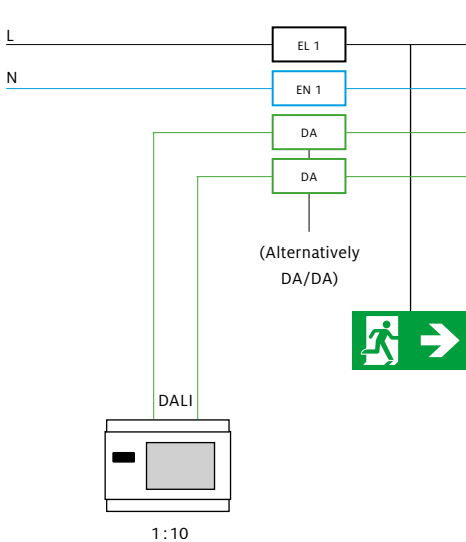


# 4 Emergency lighting

TECTON and ONLITE

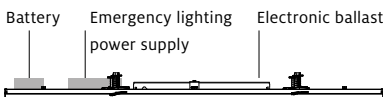
## Onlite local Self contained battery supply

In the case of self contained luminaires, the battery is fitted in the actual luminaire. Such luminaires operate as completely self-contained units and are easy to install. There is no need for expensive structural measures or fire-resistant wiring accessories. Self contained luminaires are rated NT1 or NT3 depending on whether they provide 1 hour or 3 hours of operating time.



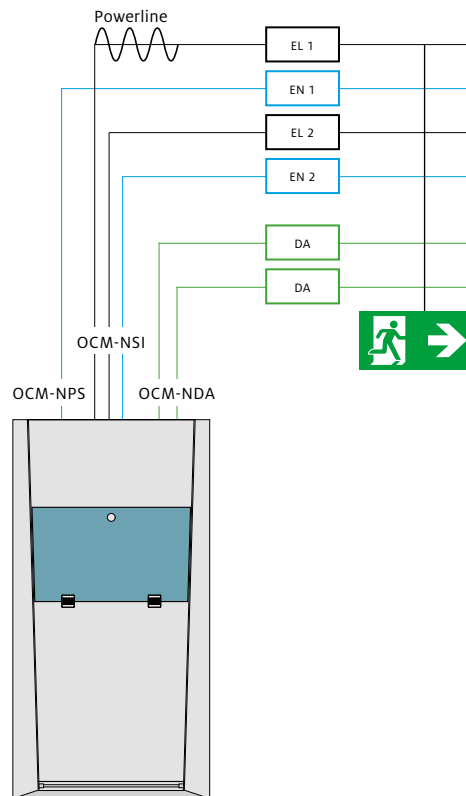
**Function tests and annual system tests** are performed automatically. The system is centrally monitored where an SB 128 Controller is used (optional).

### SB 128 Single battery controller

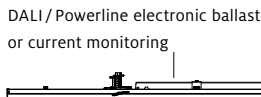


## ONLITE central eBox Central battery system

The centrally supplied emergency lighting system is perfectly adjusted to the specifics of LED luminaires and features double energy efficiency: if energy-saving luminaires are connected, ONLITE central eBox scores high on low system output. The emergency lighting system supplies luminaires with a total installed load of 1500 W with power for one hour, luminaires with a total of 500 W for three hours. Several systems can be linked quite easily.

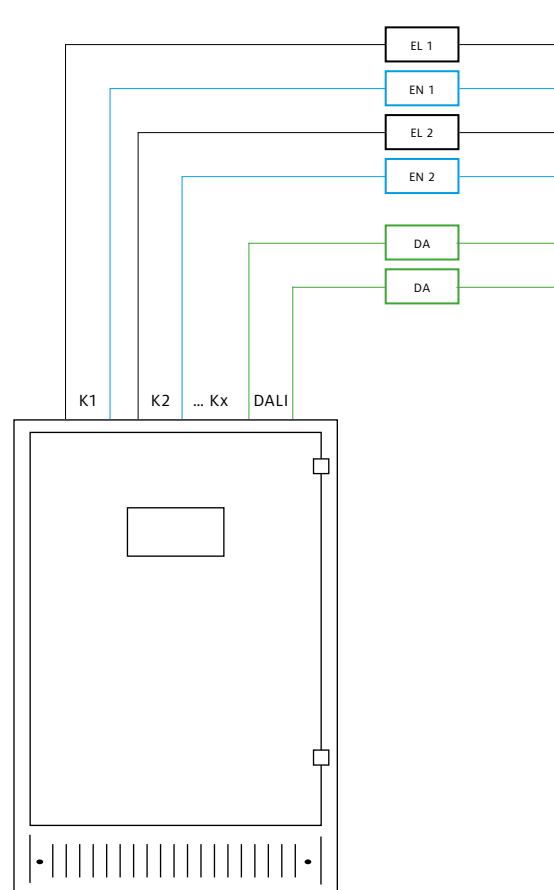


### eBox Central battery system

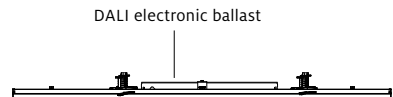


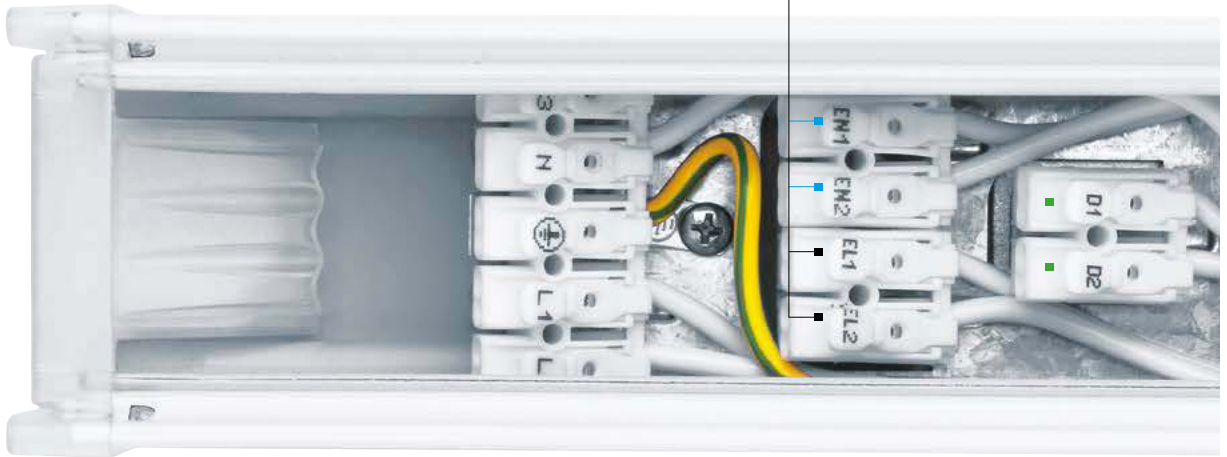
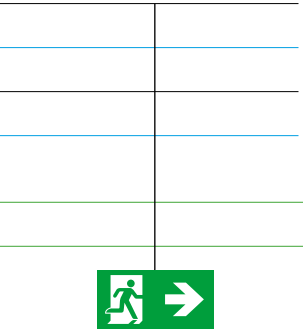
## Onlite central CPS Central battery system

Based on a modular system, each central battery system is perfectly customised to the client's requirements. The central battery system communicates via DALI. This way, each DALI luminaire can be used as a separately monitored emergency luminaire and be individually controlled. Other benefits include minimal maintenance effort and interference-free data communication.



### CPS Central battery system





**Increased safety with four circuits**

- Two independent circuits for emergency lighting (4 x 1.5 mm<sup>2</sup>)



PURESIGN 150



CROSSIGN 110



CROSSIGN 160

**Escape sign luminaires with TECTON adapter**

- Every escape sign luminaire is available as a self contained, group battery or centrally powered version. These products are equipped with a TECTON adapter as standard. This ensures the TECTON installation concept is implemented consistently across the product range.

# 4 *Emergency lighting*

TECTON and ONLITE RESCLITE

Figure in original size

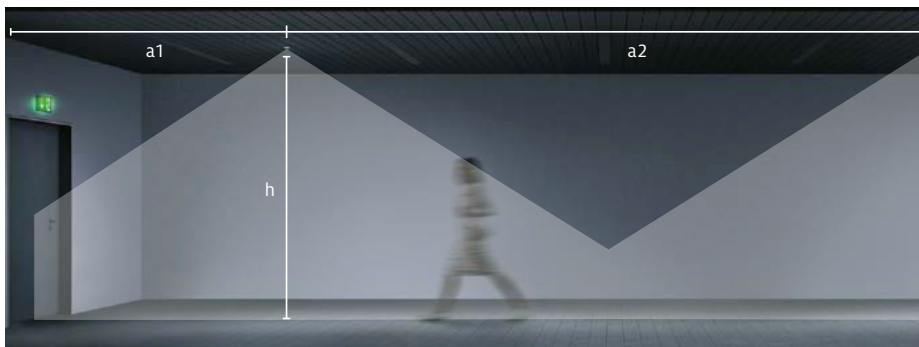
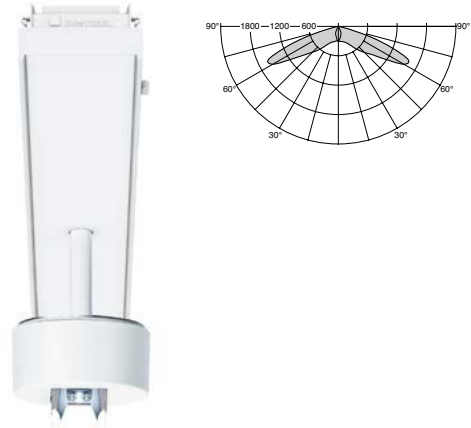


**RESCLITE escape**  
rotates through 180° and can be locked

## ONLITE RESCLITE escape

Illuminates escape routes at every turn

The EN 1838 standard specifies a minimum level of illuminance of 1 lx for escape routes on the central floor axis. RESCLITE escape uses the special combination of lens and reflector to focus this light onto a long, narrow area. Its illumination range – and maximum distance between the two luminaires is up to 26 metres. High-quality lighting technology reduces glare and ensures optimum visual conditions in emergency operation as well. This characterises RESCLITE escape as a specialist for escape route lighting in rooms with ceiling heights of between 2.2 and 7 metres. The new RESCLITE high ceilings also enables safety to a height of up to 20 metres.



h	a1			a2		
	wall	ceiling	luminaire	wall	ceiling	luminaire
	max. distance (m)			max. distance (m)		
	<b>IP20</b>			<b>IP20</b>		
	<b>NT1</b>	<b>NT3</b>	<b>Nxx</b>	<b>NT1</b>	<b>NT3</b>	<b>Nxx</b>
2.2	6.80	6.75	7.20	16.00	15.85	16.80
2.5	7.25	7.20	7.70	17.15	17.00	18.05
3.0	8.05	7.95	8.45	18.90	18.75	19.95
3.5	8.65	8.55	9.20	20.50	20.30	21.65
4.0	9.15	9.05	9.75	22.05	21.90	23.20
4.5	9.60	7.00	10.25	23.45	23.20	24.80
5.0	5.45	5.15	10.70	23.30	22.60	26.15
5.5	4.20	3.95	6.30	22.20	21.70	26.30
6.0	3.40	3.15	5.05	21.80	21.25	25.10
6.5	2.40	2.10	4.15	18.15	17.05	24.65
7.0	1.00	–	3.35	15.65	14.70	24.00
7.5	–	–	2.15	13.10	12.25	19.00

**Nxx** = NDA, NSI, NPS

Light source	LED
Installed load	≤ 5 W
Power supply	NT1, NT3 (DALI, separate battery) NDA (DALI, central) NSI (Powerline, central) NPS (no communication, central)
Protection type	IP20
Housing material	Die-cast aluminium
Housing colours	White RAL 9016 Aluminium RAL 9006
Dimensions W x H x D	85 × 85 × 2.2 mm (recessed) 145.7 × 145.7 × 34.3 mm (surface-mounted)
Application EN 1838	Escape route lighting

#### Factors of spacing table:

Minimum illuminance: 1 lx on central floor axis, 0.5 lx on half of escape route width | Escape route width: 2 m Maintenance factor: 0.8 | Reflection factor: 0 | Uniformity: max 40:1 Luminous intensity distribution: cd/1000lm

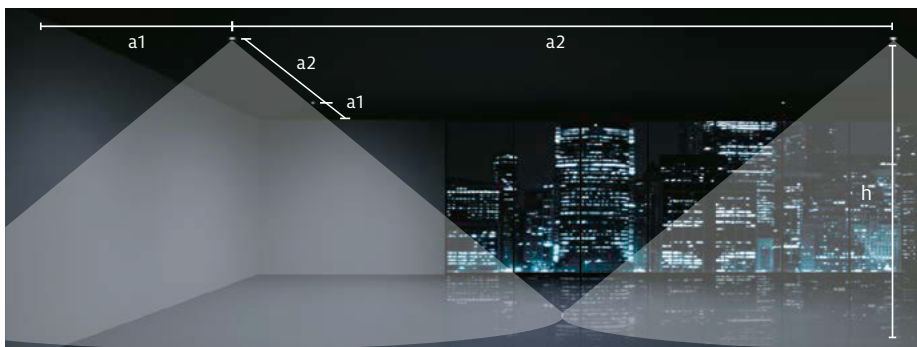
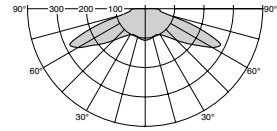
# 4 Emergency lighting

TECTON and ONLITE RESCLITE

## ONLITE RESCLITE antipanic

Ensures good orientation in the room

According to EN 1838, at least 0.5 lx on the free floor area is required to avoid panic in emergency situations. With its wide-angle and rotationally symmetrical light emission, the RESCLITE antipanic luminaire is able to illuminate very large areas in an uniform way. Just one single luminaire is enough to provide orientation for an area of 220 m<sup>2</sup> or make escape routes and obstacles visible. Due to the high colour rendering index and ideal glare control, visual conditions are optimised in an emergency. As a new high ceiling luminaire, RESCLITE antipanic ensures vision in rooms with ceiling heights of up to 29 metres.



h Mounting- height (m)	a1			a2		
	wall	ceiling	luminaire	wall	ceiling	luminaire
	max. distance (m)			max. distance (m)		
	IP20			IP20		
	NT1	NT3	Nxx	NT1	NT3	Nxx
2.2	3.95	3.95	4.15	9.50	9.35	9.55
2.5	4.20	4.15	4.45	10.45	10.40	10.65
3.0	3.05	3.00	3.45	11.95	11.85	12.40
3.5	3.15	3.10	3.45	13.05	12.95	13.70
4.0	2.80	2.70	3.55	12.30	12.10	14.80
4.5	2.65	2.55	3.15	12.70	12.55	13.75
5.0	2.35	2.20	2.95	13.20	13.05	14.15
5.5	1.85	1.70	2.70	12.15	11.90	14.75
6.0	1.50	1.40	2.20	12.20	12.00	13.70
6.5	1.20	1.05	1.80	12.30	11.85	13.60
7.0	0.55	0.20	1.55	11.90	11.65	13.80
7.5	-	-	1.15	11.70	11.20	13.45
8.0	-	-	0.15	10.95	10.60	13.30
8.5	-	-	-	10.50	10.20	12.85
9.0	-	-	-	10.00	9.45	12.25

Nxx = NDA, NSI, NPS

Light source	LED
Installed load	≤ 5 W
Power supply	NT1, NT3 (DALI, separate battery) NDA (DALI, central) NSI (Powerline, central) NPS (no communication, central)
Protection type	IP20
Housing material	Die-cast aluminium
Housing colours	White RAL 9016 Aluminium RAL 9006
Dimensions W x H x D	85 × 85 × 2.2 mm (recessed) 145.7 × 145.7 × 34.3 mm (surface-mounted)
Application EN 1838	Antipanic lighting

### Factors of spacing table:

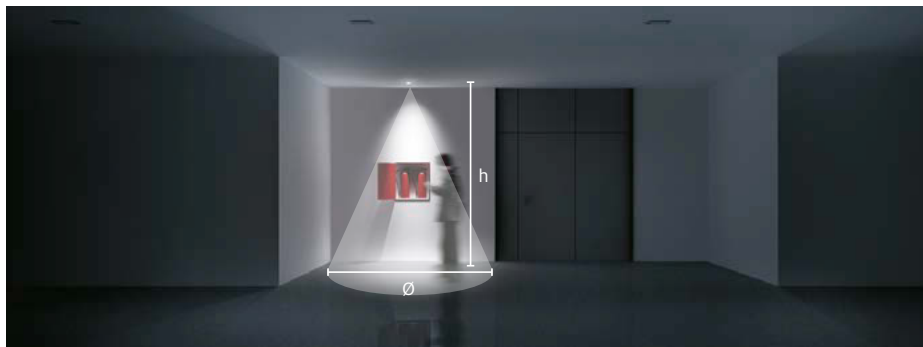
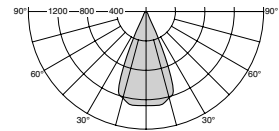
Minimum illuminance: 0.5 lx | Maintenance factor: 0.8  
Reflection factor: 0 | Uniformity: max 40:1  
Luminous intensity distribution: cd/1000lm



**ONLITE RESCLITE spot**

Rescue and alarm facilities are shown in the right light

First aid facilities, fire-fighting tools and fire-alarm systems off escape routes and outside antipanic lighting systems require special attention according to EN 1838. Measured at ground level, they must be illuminated with at least 5 lx. RESCLITE spot complies with these demands along with high safety and low energy consumption. The LED spot can thus be installed anywhere where emergency lighting with higher lighting intensity levels is required. Such applications also include danger areas and safety facilities.



h	Ø		
	Diameter (m)		
Mounting height (m)	IP20		
	NT1	NT3	Nxx
2.2	2.70	2.60	2.80
2.5	2.90	2.90	3.00
3.0	3.10	3.10	3.30
3.5	3.20	3.20	3.50
4.0	3.30	3.30	3.60
4.5	3.40	3.30	3.70
5.0	3.30	3.20	3.80
5.5	2.90	2.60	3.70
6.0	0.90	0.70	3.50
6.5	-	-	1.40
7.0	-	-	0.60

Nxx = NDA, NSI, NPS

Light source	LED
Installed load	≤ 5 W
Power supply	NT1, NT3 (DALI, separate battery) NDA (DALI, central) NSI (Powerline, central) NPS (no communication, central)
Protection type	IP20
Housing material	Die-cast aluminium
Housing colours	White RAL 9016 Aluminium RAL 9006
Dimensions	85 × 85 × 2.2 mm (recessed) 145.7 × 145.7 × 34.3 mm (surface-mounted)
Application	Object lighting
EN 1838	

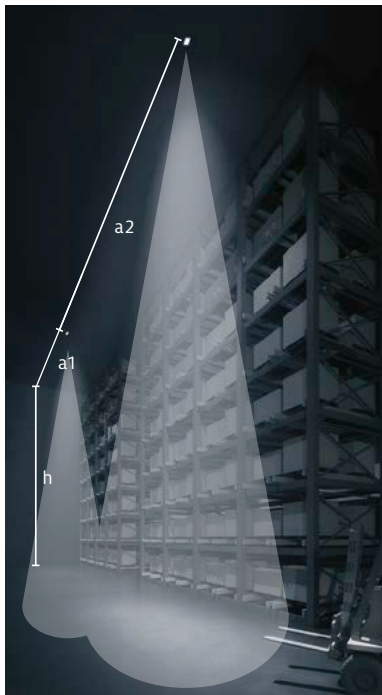
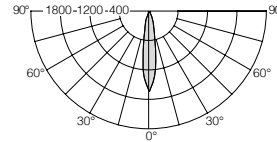
**Factors of spacing table:**  
 Minimum illuminance: 5 lx | Maintenance factor: 0.8  
 Reflection factor: 0 | Uniformity: max 40:1  
 Luminous intensity distribution: cd/1000 lm

# 4 Emergency lighting

TECTON and ONLITE RESCLITE

**RESCLITE escape high ceilings** ensures maximum safety for escape routes in areas with high ceilings

The EN 1838 standard specifies a minimum level of illuminance of 1 lux on the central floor axis for a 2 m wide escape route. RESCLITE escape high ceilings uses a special combination of lenses and reflectors to focus its light onto a long, narrow strip, resulting in coverage of up to 22 m – which is the maximum distance allowed between two luminaires. It is a unique selling proposition of RESCLITE escape high ceilings that it is able to provide illumination in compliance with relevant standards, even at mounting heights of up to 23 m.



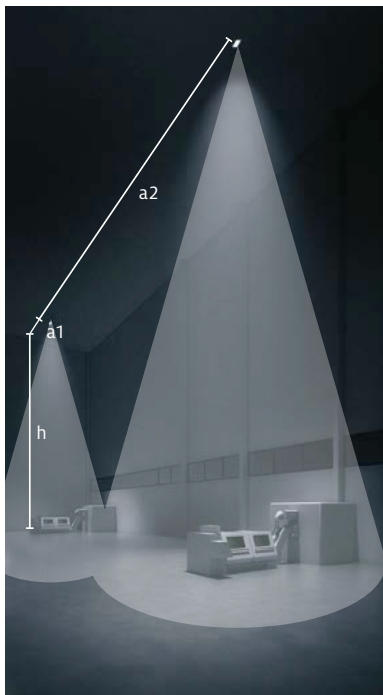
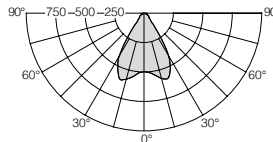
**RESCLITE escape high ceilings\***

h	a1*	a2*
	<b>wall / luminaire</b> max. distance (m)	<b>luminaire / luminaire</b> max. distance (m)
	<b>NDA, NSI, NPS</b>	<b>NDA, NSI, NPS</b>
7.0	7.45	17.75
8.0	8.00	19.10
9.0	8.50	20.35
10.0	8.35	21.20
11.0	5.95	22.30
12.0	6.00	21.90
13.0	6.00	22.15
14.0	5.25	21.10
15.0	4.20	20.35
16.0	2.90	16.80
17.0	-	17.05
18.0	-	16.15
19.0	-	14.80
20.0	-	10.45
21.0	-	9.65
22.0	-	7.10
23.0	-	4.00

Light source	LED
Installed load	≤ 5,5 W
Power supply	NDA (DALI, central) NSI (Powerline, central) NPS (no communication, central)
Protection type	IP20 (IP65 für RESCLITE-luminaire housing)

**RESCLITE antipanic high ceilings** ensures safe orientation in areas with high ceilings

In order to reduce the risk of panic in an emergency, EN 1838 requires 1 hour of antipanic lighting with at least 0.5 lux for halls or large conference rooms without clearly defined escape routes. The new RESCLITE antipanic high ceilings luminaire meets this requirement even in rooms with ceilings that are up to 30 m high. Thanks to its rotationally symmetrical wide-angle lighting pattern, a single RESCLITE antipanic high ceilings luminaire is sufficient to uniformly illuminate a surface of 290 m<sup>2</sup>, provide orientation and ensure that escape routes can be safely reached.



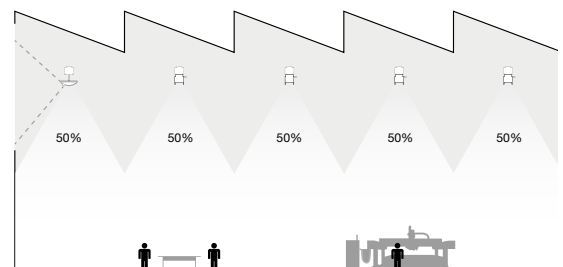
**RESCLITE escape high ceilings\***

h	a1*	a2*
Mounting height (m)	wall / luminaire max. distance (m)	luminaire / luminaire max. distance (m)
	NDA, NSI, NPS	NDA, NSI, NPS
9.0	4.55	11.65
10.0	4.80	12.45
11.0	5.00	13.25
12.0	5.10	14.05
13.0	5.10	14.90
14.0	4.85	15.65
15.0	4.30	16.40
16.0	-	17.05
17.0	-	15.85
18.0	-	14.50
19.0	-	14.00
20.0	-	13.80
21.0	-	13.85
22.0	-	14.00
23.0	-	14.15
24.0	-	14.10
25.0	-	13.95
26.0	-	13.25
27.0	-	12.60
28.0	-	11.95
29.0	-	11.25
30.0	-	9.85

Light source	LED
Installed load	≤ 5,5 W
Power supply	NDA (DALI, central) NSI (Powerline, central) NPS (no communication, central)
Protection type	IP20 (IP65 für RESCLITE-luminaire housing)

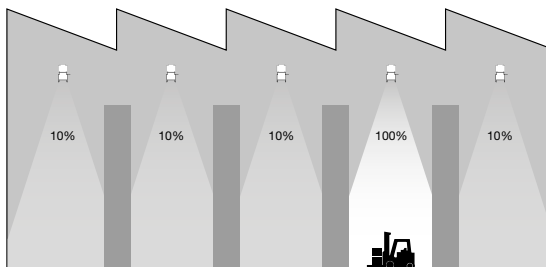
# 4 *Lighting management*

Sensors



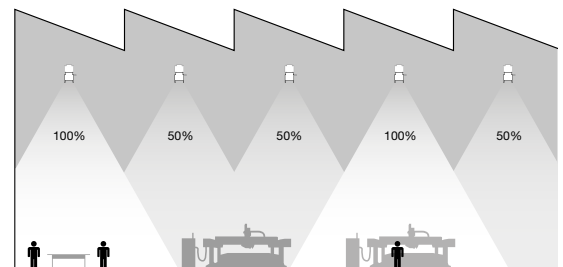
## **Daylight-based control**

Most energy can be saved by integrating a DALI light sensor directly into the TECTON trunking. The daylight entering the room is continuously monitored by this sensor, and – in combination with the appropriate LUXMATE control modules – these measuring values provide the basis for adding just the necessary amount of artificial lighting that is required to ensure the desired level of illuminance.



#### Presence detector

The TECTON presence detector combines energy saving with high user convenience. It ensures a sufficient level of brightness whenever people or vehicles enter a room or specific areas and, after a defined period of time, automatically switches to a light level of 10%. In terms of mounting height, the presence detector is also highly flexible: it detects movements from heights ranging from 2.5 m to 10 m. Its installation does not require addressing or commissioning.



#### IR multi-sensor with presence detection

To ensure that the lighting is operated at a level of 100% only if this level of brightness is actually required, the multi-sensor monitors the presence of persons in the rooms and also accepts commands given via the IR-TOUCH infrared remote control. It is also possible to use the remote control for programming individual lighting scenes for presence and absence. The multi-sensor is designed for use with DALI-based LUXMATE lighting control systems such as DIMLITE, EMOTION and LITECOM.



# 4 *Lighting management*

For convenience and efficiency

Plug & Play lighting management

## **DIMLITE**

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DIMLITE is a simple lighting management system, which nevertheless features the most important convenience and energy-saving functions and is ideal for small applications involving up to 100 DALI luminaires.

[zumtobel.com/dimlite](http://zumtobel.com/dimlite)

### **System limitations:**

– 25 DALI- or 50 DSI luminaires per channel

### **Energy saving:**

- Uses indoor sensor to take daylight into account
- Presence detectors
- No-load disconnection of electronic ballasts by relay switching

### **Initial operation:**

– Auto setup requires relatively little commissioning effort

### **Add-on functions:**

- User-configurable lighting scenes
- CIRCLE control point and conventional momentary-action switches
- Switches

Lighting management for luminaires, blinds and emergency lighting

## **LITECOM**

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The scalable LITECOM system offers customised state-of-the-art bus technology for any size of installation. Lighting system and blinds are controlled on the basis of the current lighting and weather conditions. Energy consumption is sustainably optimised through daylight-based management, central time settings and presence detectors. LITECOM is suitable for installations with a medium number of DALI luminaires and blinds.

[zumtobel.com/litecom](http://zumtobel.com/litecom)

### **System limitations:**

– max. 250 addresses per LITECOM CCD

### **Energy saving:**

- Uses indoor light sensor to take account of daylight
- Automatic control of blinds
- Presence detectors
- Flexible calendar and timer functions

### **Initial operation:**

– Commissioning via Zumtobel Service staff or wizard software

### **Notlichtintegration:**

– ONLITE eBox

### **Add-on functions:**

- User-configurable lighting scenes
- Various local control options (CIRIA, CIRCLE, EnOcean radio etc.)
- Graphic user interface
- Touch panel integration
- Optional remote maintenance

## **LITENET**

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For installations with more than 250 addresses, the LITENET lighting management system must be used.

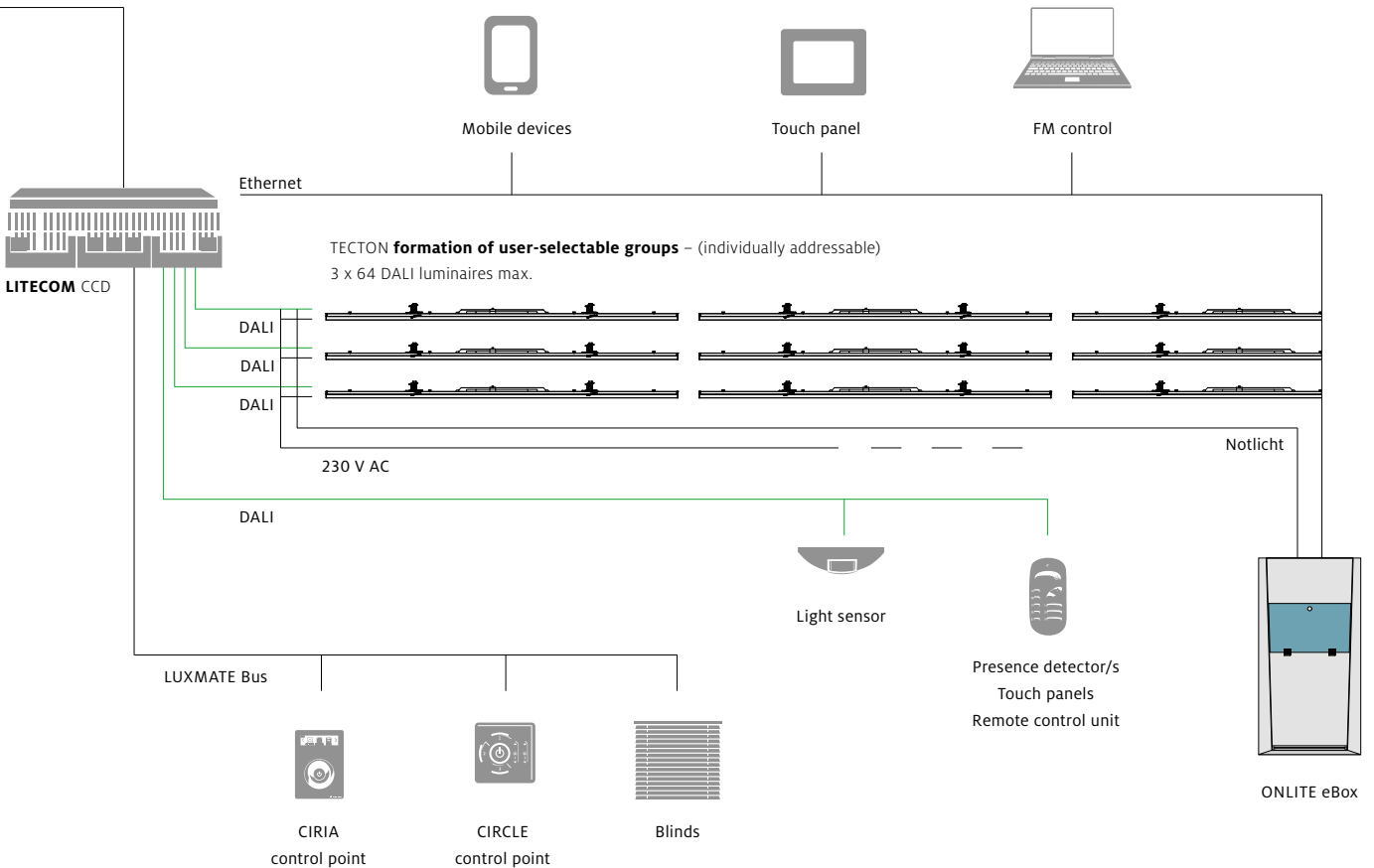
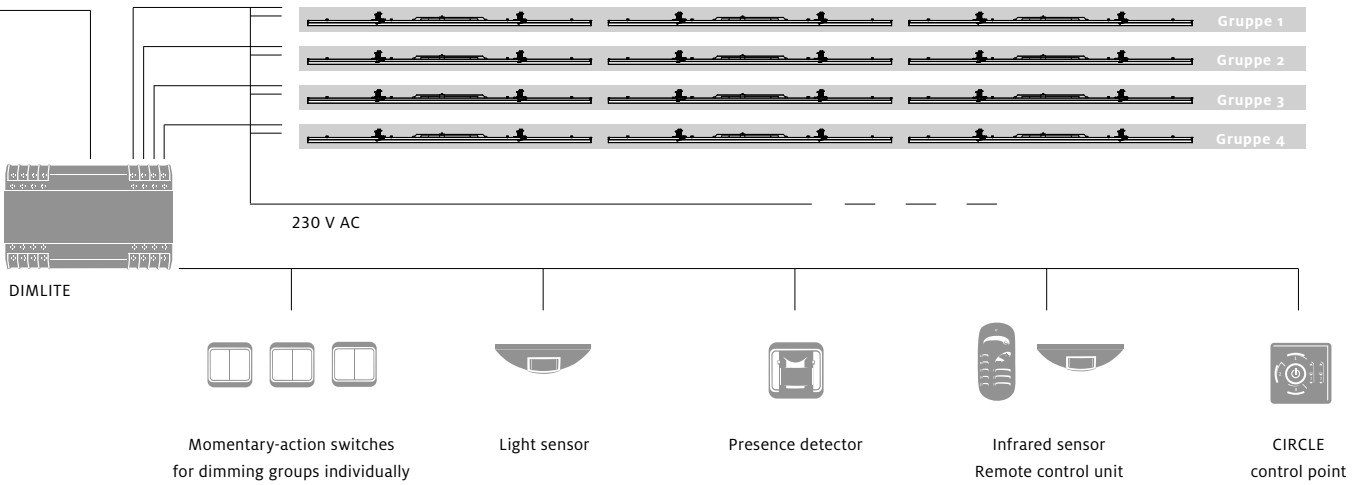
[zumtobel.com/litenet](http://zumtobel.com/litenet)

### **System limitations:**

- Up to 500 “Economy topology” automation addresses
- Up to 2000 “Compact topology” automation addresses
- Up to 10 000 “Flexible topology” automation addresses

**TECTON groups**

1-4 (up to 25 x DALI or 50 x DSI luminaires per channel – can be extended by DALI-V or DSI-V)



# 4 *Lighting management*

Systematic energy saving

Effective luminaires and light sources are the first step. Highly efficient products such as Zumtobel's LED luminaires make saving energy a sure-fire success. Energy consumption drops by around 25 % where luminaires are fitted with modern, electronic control gear that has a dimming function. Lighting that is only switched on when it is actually needed is the most frugal of all. Presence detectors or predefined switch-on times, recorded, for instance, in LITECOM central building calendar, can reap potential savings of 20 to 40 %.

Natural daylight, which is available free of charge and is the most acceptable kind of light, provides the most efficient lighting of all. Perfect daylighting makes it possible to save up to 75 % of the energy used for lighting in functional buildings. This free daylight that enters buildings can still be used even if there is sunshading and glare protection. Properly coordinated control of lighting and blinds reduces the cooling load of a building and improves lighting quality as well.

Maximum energy savings are achieved by aggregating all potential savings and continuously maintaining an installation by opting for an individually tailored Zumtobel service package for instance. The result is greater independence in the face of energy price increases and a sustainable drop in costs and CO<sub>2</sub> emissions over a period of many years.

Optionally, LITECOM is also available with the "Maintenance Control" function to save energy. In this case, the over-dimensioning of the lighting systems required under the law is compensated for by automatic dimming.

[zumtobel.com/litecom](http://zumtobel.com/litecom)



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## **Luminaires and light sources**



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## **Time-based management**



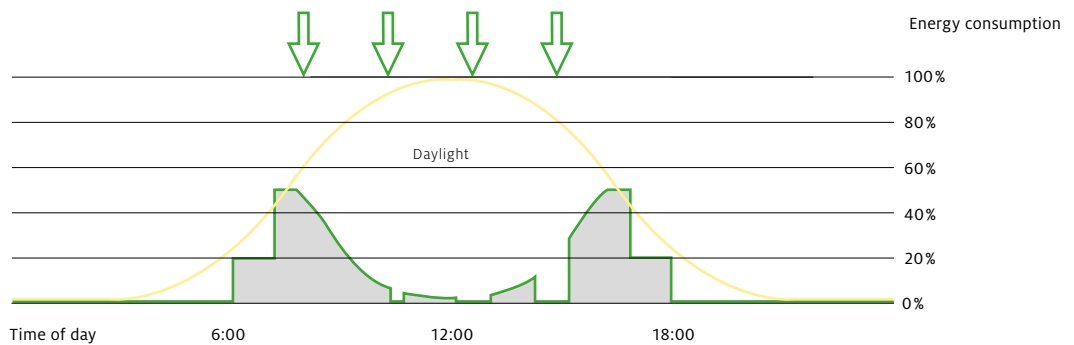
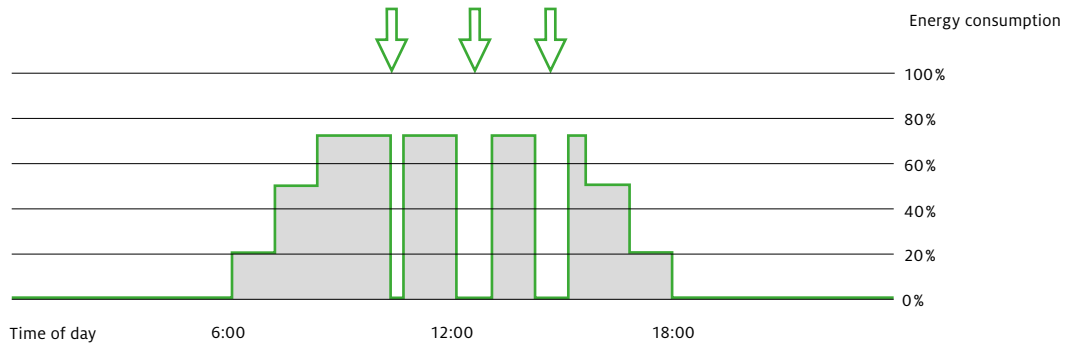
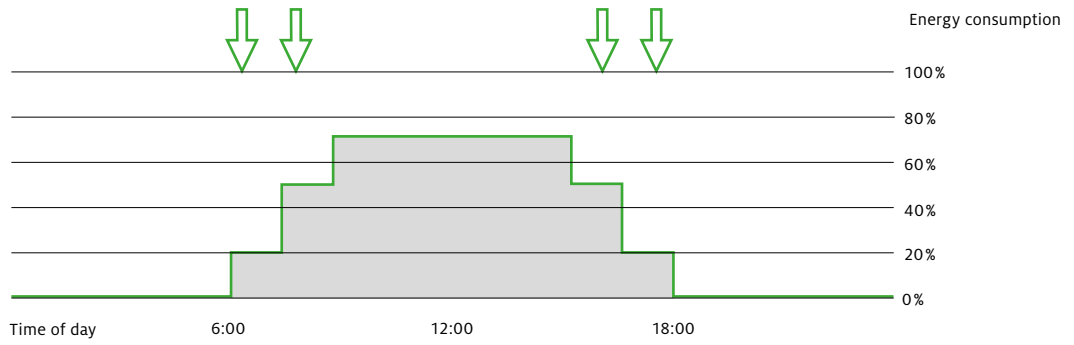
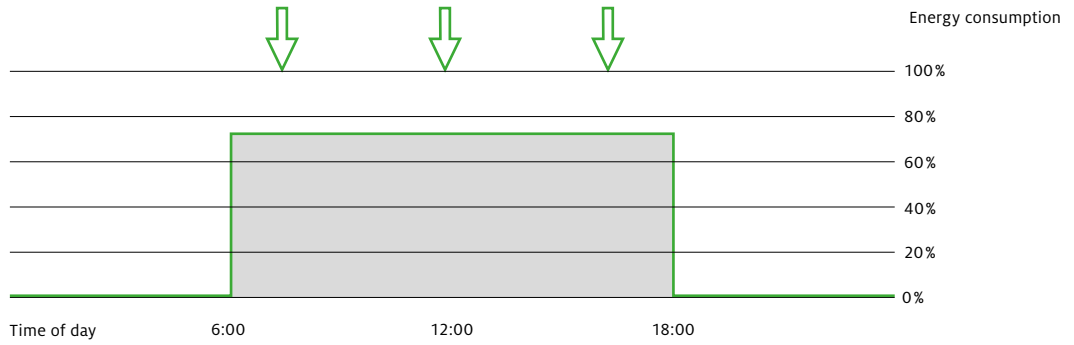
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## **Presence detection**



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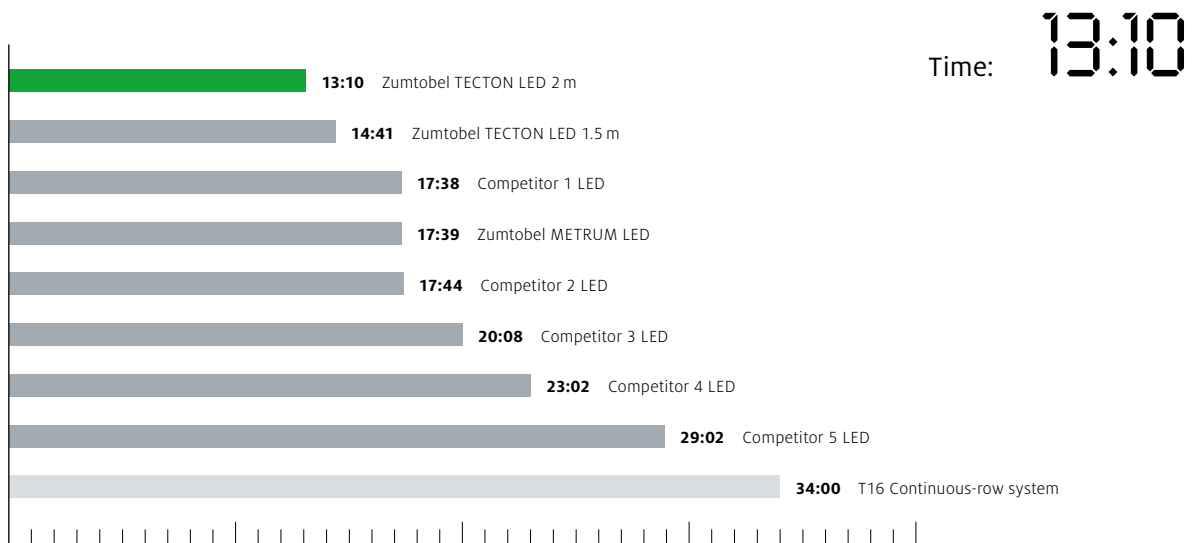
## **Daylight**



# TECTON LED installation

Saves time and money

15 m continuous-row LED system

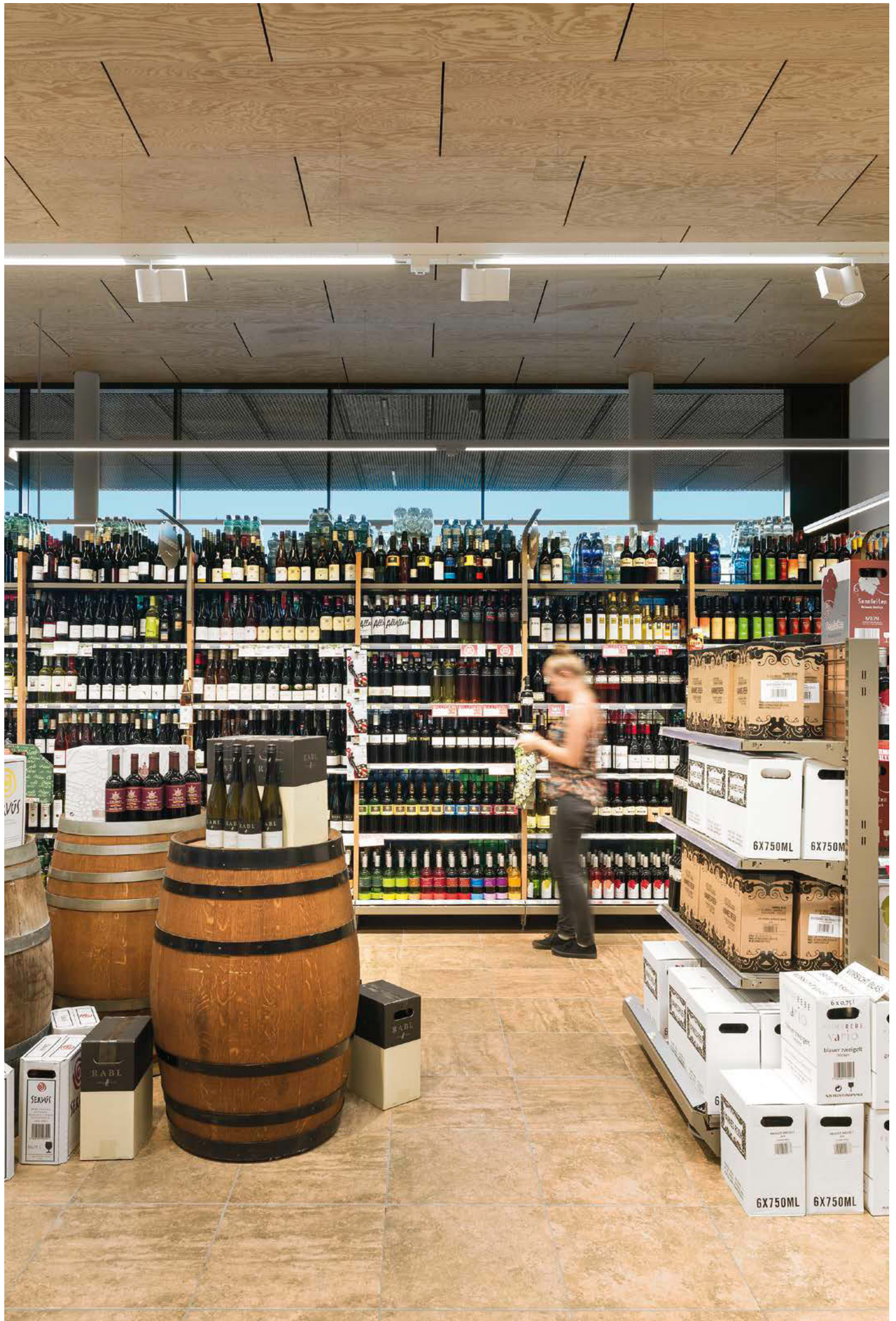


In a comparison of eight different continuous-row LED systems regarding the time required for installation of a continuous-row LED system (15 m), independent Refaconsult GmbH found that TECTON LED can be installed considerably faster than comparable products. Time savings of up to 55 per cent certainly save a lot of money. Compared to conventional T16 solutions, 61 per cent of time can be saved on average with a TECTON LED solution. Moreover, TECTON already integrates emergency lighting circuits and DALI control lines.

#### Framework conditions test setup:

Length of continuous row 15 m, ceiling height 3.7 m, height of continuous row 3.2 m, 2 persons with ladders. The time indicated is for mounting excluding unpacking and excl. assembly of suspension systems (approx. 30 min).







### ***One system – unlimited possibilities***

Fitted with an 11-pole current-conducting section, TECTON solves not only all general and accent lighting tasks but also allows for emergency luminaires and sensors to be seamlessly integrated into the system.

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### ***Easy installation and flexibility***

The complete continuous-row lighting system is characterised by very quick and easy installation. Only the trunking rails require an electrical feed, so the luminaires and sensors can simply be clicked into place – delivering absolute flexibility and ensuring that their position can be changed at any time.

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### ***Always up to date***

The TECTON product portfolio is being continuously improved and extended. The installed trunking rail can be combined with the latest technology to create a truly future-proof solution.

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### ***Extensive solution competence***

TECTON C LED continuous-row luminaires blend maximum efficiency with minimum glare, impact resistance of IK07 and IP50 protection for the LED and the optic. Four different light distributions guarantee excellent flexibility.

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### ***100 percent LED***

Additional luminaires such as TECTON MPO LED and TECTON BASIC LED, along with the possibility to integrate other Zumtobel products, make TECTON a complete LED lighting solution.

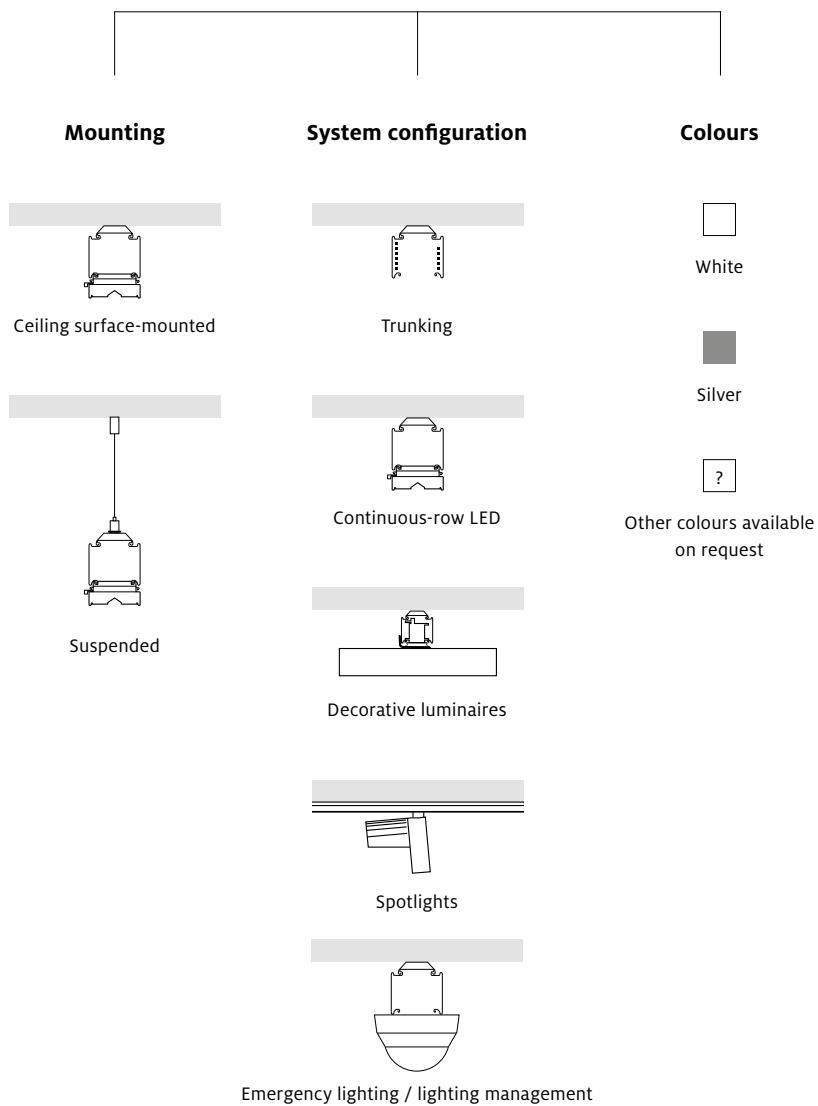
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# TECTON

Continuous-row LED lighting system

## Overview TECTON



## TECTON fixing accessories

### TECTON ceiling bracket

- Fastening spring made of stainless steel
- Maximum tensile load: 30 kg
- Fastened to trunking using CLIX technology
- Recommended wall-fastener spacing 3 m
- Must be installed by qualified professional

**Fixture**  
TECTON/METRUM AD

Order no.

22 169 175



### TECTON wall bracket

- Fastening spring made of stainless steel
- Maximum load: 15 kg
- Keyhole for easy hook-in
- Fastened to trunking using CLIX technology
- Recommended wall-fastener spacing 1.5 m
- Must be installed by qualified professional

**Fixture**  
TECTON AW

Order no.

22 128 014



### TECTON caddy clip fixing component

- Fastening spring made of stainless steel
- Built-in caddy clip for fastening on exposed ceiling carrier systems of 24–26 mm width and max. thickness of 1.5 mm
- Fastened to trunking using CLIX technology
- Recommended wall-fastener spacing 3 m
- Maximum tensile load: 22 kg
- Must be installed by qualified professional

**Fixture**  
TECTON/METRUM AC (Caddy Clip)

Order no.

22 169 176



### TECTON cord suspension

- Made of galvanised steel cord
- 3-piece ceiling bracket
- Fastening spring made of stainless steel
- Continuous height adjustment
- Maximum load: 30 kg; with Caddy Clip 22 kg
- Fastened to trunking using CLIX technology
- Recommended wall-fastener spacing 3 m
- Must be installed by qualified professional

	H	Order no.
<b>Cord suspension</b>		
TECTON/METRUM AS11 O-L	1000	22 169 178
TECTON/METRUM AS12 O-L	2000	22 169 179
TECTON/METRUM AS15 O-L	5000	22 169 180
<b>Cord suspension for caddy clip</b>		
TECTON/METRUM AS11 O-L Caddy Clip	1000	22 169 181
TECTON/METRUM AS12 O-L Caddy Clip	2000	22 169 182



## TECTON fixing accessories

### TECTON chain suspension

Order no.

- Fastening spring made of stainless steel
- Galvanised S hook with integral sleeve for easy height adjustment
- Maximum tensile load: 30 kg
- Fastened to trunking using CLIX technology
- Recommended wall-fastener spacing 3 m
- Must be installed by qualified professional

#### Chain suspension

TECTON/METRUM AK galvanised	22 169 177
ZAKK Chain, galvanised, per metre galvanised	20 042 906
ZAKK Chain, non-rusting, per metre	20 969 682



### Possible feed-in and feed-out points TECTON

<b>TE</b>	Feed-in Trunking end cap	
<b>T-1000 oE</b>	Empty end-trunking, can be cut to length flexibly	
<b>T-EF</b>	End cap for termination in conformity with relevant standards (standard trunking unit cut to length)	
<b>T-TA</b>	Feed-out	
<b>TA-F</b>	Flexible feed-out	
<b>TM</b>	Central feed-in	
<b>TM TA-TE</b>	Central feed-in	
<b>TE</b>	Feed-in point	

An additional feed-in point is recommended for continuous-row systems which are longer than 50 m.

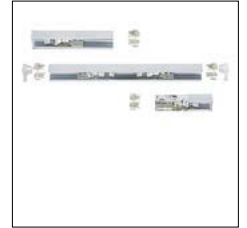
TECTON central feed-ins are perfect for this purpose, especially since they do not disrupt the visual continuity of a continuous-row system.

## TECTON trunking rails and components

### TECTON electric feed, white/silver

- Made of roll-formed sheet steel painted with white polyester resin enamel or in RAL 9006
- Power feed-in / central feed-in / feed-out for electrical connection of continuous row system
- Shock protection for current conducting section included at end of trunking
- Feed end-cap (for feed at rear and front end) and closing end-cap made of transparent plastic
- TE/TA: plug-in terminals for 5 mains cables (2.5 mm<sup>2</sup>), 2 × 2 emergency lighting cables (1.5 mm<sup>2</sup>) and 2 control lines (1.5 mm<sup>2</sup>)
- TA-F: electrical output unit for flexible length adjustment (adjustment range 850 mm)
- Installation should always start from the centre supply area
- TM: 2 sets with plug-in terminals for 5 mains cables (2.5 mm<sup>2</sup>), 2 × 2 emergency cables (1.5 mm<sup>2</sup>) and 2 control lines (1.5 mm<sup>2</sup>) for central load distribution
- For TECTON TM, the TETRIS continuous row luminaires cannot be abutted
- 28/54 W and 35/49/80 W TECTON batten luminaires fully conceal the input/output feeder. This is not possible for the 14/24 W and spotlight/high-pressure module
- Spotlights, socket modules, ONLITE emergency luminaires cannot be positioned above the input and output supply elements

	L	kg	Order no.
<b>Electrical feed-in/feed-out, white</b>			
TECTON TA Feed-out white	114	0,7	22 128 099
TECTON TA-F Flexible feed-out white	1000	2,0	22 065 761
TECTON TE Electric feed white	344	0,7	22 128 083
TECTON TM Central feed white	670	1,2	22 064 845
TECTON TM TA/TE Central feed	400	1,0	22 162 296
<b>Electrical feed-in/feed-out, silver</b>			
TECTON TA Feed-out silver RAL 9006	114	0,7	22 065 868
TECTON TA-F Flexible feed-out silver RAL 9006	1000	2,0	22 066 679
TECTON TE Feed-in silver RAL 9006	344	0,7	22 065 855
TECTON TM Central feed silver RAL 9006	670	1,2	22 157 290
TECTON TM TA/TE Central feed	400	1,0	22 162 295
<b>Strain relief</b>			
TECTON TZ Strain relief			22 161 459



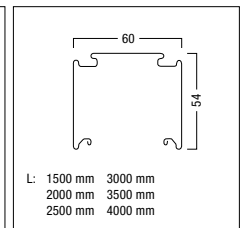
## TECTON trunking rails and components

### TECTON trunking units, white/silver

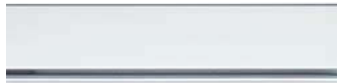


- Made of roll-formed sheet steel painted with white polyester resin enamel or in RAL 9006
- 11 conductors in built-in current conducting section
- Four conductors for two independent emergency lighting circuits and two DALI control lines integrated in trunking
- Greatest possible flexibility in positioning of continuous row luminaires
- Includes built-in connector for electrical and mechanical quick connection
- TECTON T-EF: end cap for trunking units cut to length in conformity with standards
- Empty trunking: length 1 m, as compensation piece for cutting to length special configurations, physical connector integrated (cutting range 850 mm)
- Power tapping also possible where trunking units butt together
- Lengths in 0.5 m increments
- Trim the standard trunking unit to 30 mm shorter than the finished size (end cap conceals this 30 mm length)
- A TECTON mounting rail end cap reduces the length of the mounting rail equippable with luminaires by 5 mm

	L	kg	Order no.
<b>Trunking, white</b>			
TECTON T 1500 mm	1500	2,5	22 157 598
TECTON T 2000 mm	2000	3,7	22 128 036
TECTON T 2500 mm	2500	4,5	22 128 042
TECTON T 3000 mm	3000	5,3	22 128 058
TECTON T 3500 mm	3500	6,1	22 128 077
TECTON T 4000 mm	4000	6,9	22 128 061
<b>Trunking, silver</b>			
TECTON T 1500 mm	1500	2,5	22 157 599
TECTON T 2000 mm	2000	3,7	22 065 799
TECTON T 2500 mm	2500	4,5	22 065 802
TECTON T 3000 mm	3000	5,3	22 065 811
TECTON T 3500 mm	3500	6,1	22 065 827
TECTON T 4000 mm	4000	6,9	22 065 833
<b>Empty trunking, white</b>			
TECTON T 1000 mm oE	1000	1,7	22 128 020
<b>Empty trunking, silver</b>			
TECTON T 1000 mm oE	1000	1,7	22 065 849
<b>White end cap for trunking unit cut to length</b>			
TECTON T-EF	45		22 065 758
<b>Silver end cap for cut-to-length track</b>			
TECTON T-EF	45		22 157 602
<b>Cutting aid</b>			
TECTON ABLH	120	0,7	22 064 924



### TECTON individual trunking unit white/silver



- Made of roll-formed sheet steel painted with white polyester resin enamel or in RAL 9006
- Lengths for 28/54 W and 35/49/80 W continuous-row luminaires
- End caps included
- 3 terminals for mains connection
- 1 pole for continuous phase (self-contained emergency lighting)
- 2 poles for brightness control light controls
- Power tapping occurs without use of any tools

	L	kg	Order no.
<b>Mounting trunking for individual installation, white</b>			
TECTON T 58/BASIC LED	1522	2,7	22 169 097
TECTON T LED L1000	1013	1,7	22 169 357
TECTON T LED L1500	1512	2,5	22 169 358
TECTON T LED L2000	2010	3,3	22 169 359
<b>Trunking for individual installation, silver</b>			
TECTON T 58/BASIC LED	1522	2,7	22 169 112

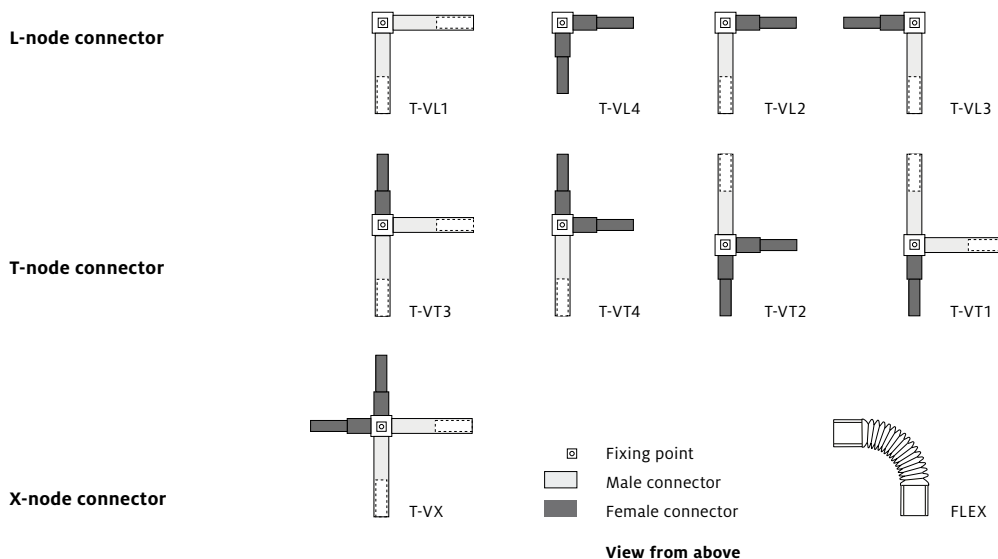
Please order suspension elements separately.





# TECTON trunking rails and components

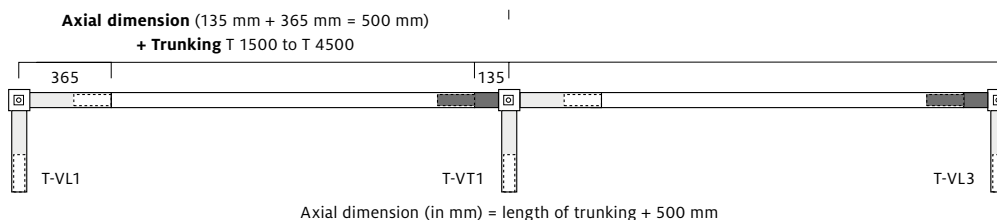
## TECTON node connector



### Calculating axial dimensions with node connectors

It is very easy to calculate axial dimensions: two connectors together measure 0.5 m. Trunking units are also available in 0.5 m length increments. The axial dimension is therefore always the length of the trunking plus 0.5 m.

Example:



## TECTON node connector



- L-, T- and X-connectors made of galvanised sheet steel in white or silver, with central plastic cover
- Can be suspended in node point using standard fastening spring
- Feed in node point possible on 11-pole terminal
- A node comprises at least one incoming feeder and one outgoing feeder
- Incoming and outgoing feeder not pre-wired (must be wired on site by electrical installer)
- Flexible connector with white sleeve

	kg	Order no.	Order no.
		white	silver
<b>L-node connector</b>			
TECTON T-VL1	1,4	22 157 273	22 157 281
TECTON T-VL2	1,6	22 157 274	22 157 282
TECTON T-VL3	1,6	22 157 275	22 157 283
TECTON T-VL4	1,9	22 157 276	22 157 284
<b>T-node connector</b>			
		white	silver
TECTON T-VT1	2,1	22 157 277	22 157 285
TECTON T-VT2	2,4	22 157 278	22 157 286
TECTON T-VT3	2,2	22 157 279	22 157 287
TECTON T-VT4	2,4	22 157 280	22 157 288
<b>X-node connector</b>			
		white	silver
TECTON T-VX	3,2	22 157 272	22 157 289
<b>Flexible node connector</b>			
TECTON V FLEX 500	1,0	22 166 765	



**TECTON trunking rails and components**

**TECTON plastic cover strip, white/silver**

- Plastic cover strips made of polypropylene (white) or PVC (silver)
- Length adapted to spacing between continuous row luminaires (35/49/80 W at 50% fitted)
- Can be individually cut to length by customer
- Metal cover strips available on request in lengths of 28/54 or 35/49/80 for oil-laden atmospheres

	L/W/H	Order no.
<b>Cover strip, white</b> TECTON T-AK 1476	1476/47/1	22 128 113
<b>Cover strip, silver</b> TECTON T-AK 1476	1476/47/1	22 065 874

650°C



**TECTON separator control line**

- Isolating element for separating D1/D2 control lines in Luxmate Professional applications

	Order no.
<b>Separator</b> TECTON TT-D1/D2	22 128 393



## TECTON LED continuous-row luminaire

|...| Shared properties TECTON LED

---

- Overlapping PMMA lenses (shatter-resistant to IK06) achieve IP50 protection for LED and optic with all TECTON C LED luminaires
- Split lens concept for reducing perceived glare
- LED continuous row luminaire with 64 highly efficient mid-power LEDs per segment
- Linear Tecton LED solution. High-quality look designed to match trunking
- LED continuous-row luminaire made of roll-formed sheet steel in white polyester lacquer finish
- All-in-one solution: lighting batten, lamp and reflector are combined in one product and allow a 100% continuous ribbon of LED light without gaps
- Colour rendering index: Ra > 80 (4000 K, 3000 K and 6500 K)
- Chromaticity tolerance between multiple luminaires of up to 3 MacAdam ellipses
- Colour temperature: 3000 K (LED830: warm white), 4000 K (LED840: intermediate), 6500 K (LED865: cool white)
- LED service life: 50000 h before luminous flux is reduced to 90% of the initial value
- Dimming level for DC mode preset to 15%
- LED luminaire is Switch Dim-compatible
- 100% flexible, tool-free mechanical and electrical installation using CLIX-technology by means of two side-mounted rotary levers on the TECTON trunking
- With use of the 2 m luminaire, up to 25% less luminaires are needed, thus reducing installation time by an average of 35% (mounting easily possible with one person only)
- Ideal utilisation of LED driver at length of 2 m enables higher system efficiency than the 1.5 m luminaire
- Phase selection for 3 phase circuits and 2 emergency lighting circuits
- No ultraviolet or infrared radiation
- Luminaire has halogen-free and silicon-free wiring
- Luminaire available via myTECTON with dimmable TRIDONIC IVG control device or as switchable version

## TECTON LED continuous-row luminaire

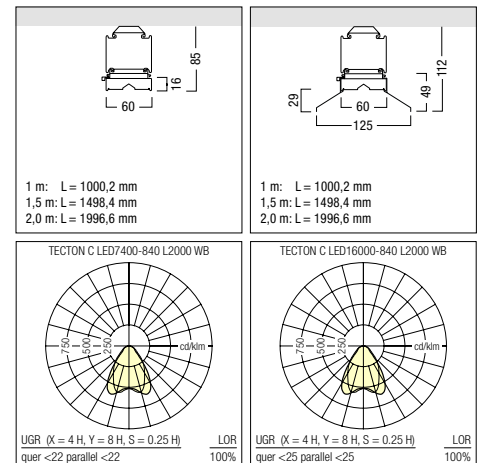
### TECTON LED continuous row luminaire, wide beam



- [...]
  - Energy-efficient LED continuous row luminaire with luminaires efficiency up to 149 lm/W
  - Focus of use: Presentation and Retail (shelf lighting and surface lighting), Industry and Engineering (shelf lighting and surface lighting)
  - For illuminating shelf surfaces and aisles, medium wide light distribution
  - CG assembly optic of aluminium, white powder-coated, consisting of two reflector wings for reducing the UGR value: TECTON C High-Efficiency UGR < 19 and TECTON C High-Output UGR < 22 (CG optic is optimised for the TECTON C WideBeam luminaires)
  - Mounting aid for CG assembly optic via add-on clip to end caps of the LED luminaire

	L/W	kg	Order no.
<b>Dimmable luminaire, length 1000 mm</b>			
<i>dimnable Dali</i>			
LED3700-830 L1000	1000/60	1,5	42 183 290
LED3700-840 L1000	1000/60	1,5	42 183 293
LED3700-865 L1000	1000/60	1,5	42 927 033
LED5200-830 L1000	1000/60	1,5	42 183 297
LED5200-840 L1000	1000/60	1,5	42 183 300
LED5200-865 L1000	1000/60	1,5	42 927 034
LED8000-830 L1000	1000/60	1,5	42 184 967
LED8000-840 L1000	1000/60	1,5	42 184 968
LED8000-865 L1000	1000/60	1,5	42 184 969
<b>Dimmable luminaire, length 1500 mm</b>			
<i>dimnable Dali</i>			
LED5500-830 L1500	1498/60	2,2	42 183 503
LED5500-840 L1500	1498/60	2,2	42 183 322
LED5500-865 L1500	1498/60	2,2	42 927 032
LED8000-830 L1500	1498/60	2,2	42 927 125
LED8000-840 L1500	1498/60	2,2	42 183 328
LED8000-865 L1500	1498/60	2,2	42 927 035
LED12000-830 L1500	1498/60	2,2	42 184 973
LED12000-840 L1500	1498/60	2,2	42 184 911
LED12000-865 L1500	1498/60	2,2	42 184 974
<b>Dimmable luminaire, length 2000 mm</b>			
<i>dimnable Dali</i>			
LED7400-830 L2000	1997/60	2,8	42 183 304
LED7400-840 L2000	1997/60	2,8	42 183 307
LED7400-865 L2000	1997/60	2,8	42 183 502
LED10000-830 L2000	1997/60	2,8	42 183 311
LED10000-840 L2000	1997/60	2,8	42 183 314
LED10000-865 L2000	1997/60	2,8	42 927 175
LED16000-830 L2000	1997/60	2,8	42 184 804
LED16000-840 L2000	1997/60	2,8	42 184 978
LED16000-865 L2000	1997/60	2,8	42 184 979
<b>Optic</b>			
CG OPTIC KIT L1000 WH		0,7	22 169 318
CG OPTIC KIT L1000 SR		1,4	22 169 321
CG OPTIC KIT L1500 WH		1,0	22 169 319
CG OPTIC KIT L1500 SR		1,8	22 169 322
CG OPTIC KIT L2000 WH		0,7	22 169 320
CG OPTIC KIT L2000 SR		1,3	22 169 323

End cap pre-assembled on each LED batten.



## TECTON LED continuous-row luminaire

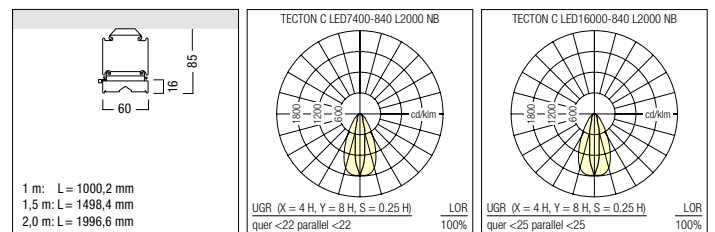
### TECTON LED continuous-row luminaire, narrow beam



- [...]
  - Energy-efficient LED continuous row luminaire with light efficiency to 145 lm/W
  - Focus of use: Industry and Engineering (shelf lighting)
  - Uniform, efficient lighting of e.g. vertical shelf fronts, narrow light distribution

	L/W	kg	Order no.
<b>Dimmable luminaire, length 1000 mm</b>			
<i>dimnable Dali</i>			
LED3700-840 L1000	1000/60	1,5	42 183 294
LED3700-865 L1000	1000/60	1,5	42 927 059
LED5200-840 L1000	1000/60	1,5	42 183 301
LED5200-865 L1000	1000/60	1,5	42 927 084
LED8000-840 L1000	1000/60	1,5	42 184 984
LED8000-865 L1000	1000/60	1,5	42 184 985
<b>Dimmable luminaire, length 1500 mm</b>			
<i>dimnable Dali</i>			
LED5500-840 L1500	1498/60	2,2	42 183 324
LED5500-865 L1500	1498/60	2,2	42 927 108
LED8000-840 L1500	1498/60	2,2	42 927 036
LED8000-865 L1500	1498/60	2,2	42 182 692
LED12000-840 L1500	1498/60	2,2	42 184 990
LED12000-865 L1500	1498/60	2,2	42 184 991
<b>Dimmable luminaire, length 2000 mm</b>			
<i>dimnable Dali</i>			
LED7400-840 L2000	1997/60	2,8	42 183 308
LED7400-865 L2000	1997/60	2,8	42 927 158
LED10000-840 L2000	1997/60	2,8	42 183 315
LED10000-865 L2000	1997/60	2,8	42 927 185
LED16000-840 L2000	1997/60	2,8	42 184 996
LED16000-865 L2000	1997/60	2,8	42 184 997

End cap pre-assembled on each LED batten.



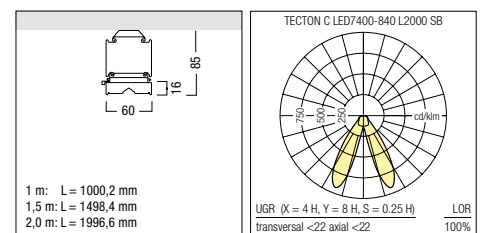
### TECTON LED Shelf Beam continuous-row luminaire



- [...]
  - Energy-efficient LED continuous row luminaire with light efficiency to 146 lm/W
  - Focus of use: Presentation and Retail (shelf lighting)
  - Shelf surfaces in focus, aisle areas are illuminated less strongly, symmetric light distribution

	L/W	kg	Order no.
<b>Dimmable luminaire, length 1000 mm</b>			
<i>dimnable Dali</i>			
LED3700-830 L1000	1000/60	1,5	42 183 291
LED3700-840 L1000	1000/60	1,5	42 183 295
LED3700-865 L1000	1000/60	1,5	42 927 066
LED5200-830 L1000	1000/60	1,5	42 183 298
LED5200-840 L1000	1000/60	1,5	42 183 302
LED5200-865 L1000	1000/60	1,5	42 927 091
<b>Dimmable luminaire, length 1500 mm</b>			
<i>dimnable Dali</i>			
LED5500-830 L1500	1498/60	2,2	42 927 115
LED5500-840 L1500	1498/60	2,2	42 183 327
LED5500-865 L1500	1498/60	2,2	42 927 116
LED8000-830 L2000	1498/60	2,2	42 927 140
LED8000-840 L2000	1498/60	2,2	42 927 139
LED8000-865 L2000	1498/60	2,2	42 927 141
<b>Dimmable luminaire, length 2000 mm</b>			
<i>dimnable Dali</i>			
LED7400-830 L2000	1997/60	2,8	42 183 305
LED7400-840 L2000	1997/60	2,8	42 183 309
LED7400-865 L2000	1997/60	2,8	42 927 165
LED10000-830 L2000	1997/60	2,8	42 183 312
LED10000-840 L2000	1997/60	2,8	42 183 316
LED10000-865 L2000	1997/60	2,8	42 927 192

End cap pre-assembled on each LED batten.



## TECTON LED continuous-row luminaire

### TECTON LED wallwasher continuous-row luminaire



- |...|
- Energy-efficient LED continuous row luminaire with light efficiency to 140 lm/W
- Focus of use: Presentation and Retail (shelf lighting)
- By mounting the REFL WW (please order separately) the TECTON C LED SB becomes a WW luminaire, suitable for display and sales areas with shelf surfaces on one side
- With the specific WW reflector form, almost right-angled (to the luminaire) uniform illumination on the wall is enabled (asymmetric light distribution)

	L/W	kg	Order no.
<b>Reflector</b>			
REFL WW L1000 SR		0,3	22 169 327
REFL WW L1000 WH		0,3	22 169 324
REFL WW L1500 SR		0,5	22 169 328
REFL WW L1500 WH		0,5	22 169 325
REFL WW L2000 SR		0,7	22 169 329
REFL WW L2000 WH		0,7	22 169 326
<b>End caps</b>			
E REFL WW SR (PAIR) End caps (1 pair)			22 169 331
E REFL WW WH (PAIR) End caps (1 pair)			22 169 330
<b>Dimmable luminaire, length 1000 mm</b>			
			<i>dimnable Dali</i>
LED3700-830 L1000	1000/62	1,8	42 183 292
LED3700-840 L1000	1000/62	1,8	42 183 296
LED3700-865 L1000	1000/62	1,8	42 927 204
LED5200-830 L1000	1000/62	1,8	42 183 299
LED5200-840 L1000	1000/62	1,8	42 183 303
LED5200-865 L1000	1000/62	1,8	42 927 216
<b>Dimmable luminaire, length 1500 mm</b>			
			<i>dimnable Dali</i>
LED5500-830 L1500	1498/62	2,8	42 927 227
LED5500-840 L1500	1498/62	2,8	42 927 226
LED5500-865 L1500	1498/62	2,8	42 927 228
LED8000-830 L1500	1498/62	2,8	42 927 238
LED8000-840 L1500	1498/62	2,8	42 927 237
LED8000-865 L1500	1498/62	2,8	42 927 239
<b>Dimmable luminaire, length 2000 mm</b>			
			<i>dimnable Dali</i>
LED7400-830 L2000	1997/62	3,6	42 183 306
LED7400-840 L2000	1997/62	3,6	42 183 310
LED7400-865 L2000	1997/62	3,6	42 927 251
LED10000-830 L2000	1997/62	3,6	42 183 313
LED10000-840 L2000	1997/62	3,6	42 183 317
LED10000-865 L2000	1997/62	3,6	42 927 263

End cap pre-assembled on each LED batten.



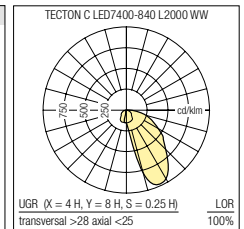
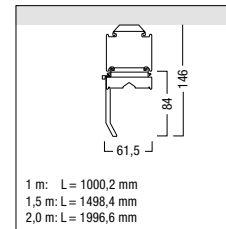
IK07



halogen



incl. LED





## TECTON LED continuous-row luminaire

### TECTON MPO LED



- Light control via backlit multi-layer MPO microprismatic optic for minimising perceived glare and UGR values
- Application focus: applications that are critical with regard to glare in industry and technology, also display, sales and education/training
- Energy-efficient LED continuous row luminaire with system efficiency of up to 130 lm/W
- UGR at 5500 lm < 19, at 6500 lm < 19 and at 8000 lm < 22
- Co-extruded hollow-chamber profile with bonded end caps (shatter-resistant to IK05) achieve IP50 protection for LED and optic
- LED continuous-row luminaire with 192 highly efficient Mid-Power LEDs per luminaire, with 12% indirect light for soft ceiling illumination
- All-in-one solution: batten luminaire, lamp and reflector combined in a single product
- Base support of LED continuous-row luminaire of sheet steel profile with white polyester resin coating
- Colour rendering index: Ra > 80
- Chromaticity tolerance between multiple luminaires of up to 3 MacAdam ellipses
- Colour temperature 4000 K (intermediate)
- LED service life: 50000 h before luminous flux is reduced to 90% of the initial value
- Dimming level for DC mode preset to 15%
- LED luminaire is Switch Dim-compatible
- 100% flexible, tool-free mechanical and electrical installation using CLIX-technology by means of two side-mounted rotary levers on the TECTON trunking
- Phase selection for 3 phase circuits and 2 emergency lighting circuits
- No ultraviolet or infrared radiation
- Luminaire has halogen-free and silicon-free wiring
- Luminaire is available via myTECTON with dimmable TRIDONIC IVG control unit or as switchable variant

L/W/H kg Order no.

#### Dimmable luminaire, length 1500 mm

	L/W/H	kg	Order no.
TECTON MPO LED5500-840	1522/104/151	4,0	42 184 102
TECTON MPO LED6500-840	1522/104/151	4,0	42 184 103
TECTON MPO LED8000-840	1522/104/151	4,0	42 184 104

dimmable Dali



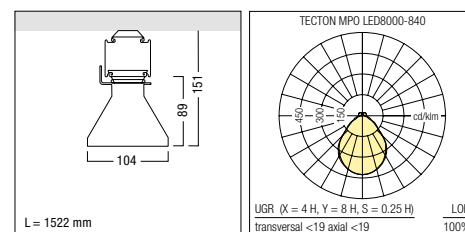
IK06



halogen



incl. LED



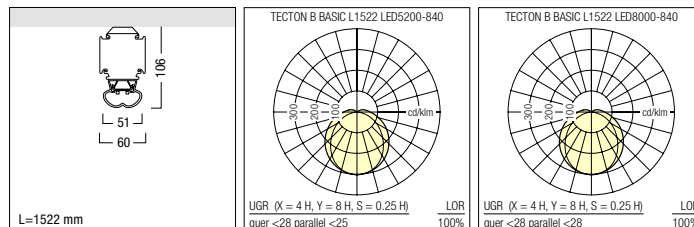
## TECTON LED continuous-row luminaire

### TECTON BASIC LED



- Energy-efficient LED continuous row luminaire with system efficiency to 146 lm/W
- Aimed at presentation and sales applications (shelf and surface lighting), industry and engineering (surface lighting)
- All-in-one solution: batten luminaire, lamp and diffuser optic combined in a single product
- Combination with reflectors not possible
- Phase selected directly from tap
- Lambertian light distribution for replacing an uncovered T26 or T16 luminaire
- Simple replacement of existing 58 W T26 luminaires with similar dimensions
- Colour rendering index: Ra > 80
- Colour temperature: 3000 K (LED830: warm white), 4000 K (LED840: intermediate)
- Chromaticity tolerance between multiple luminaires of up to 3 MacAdam ellipses
- LED service life: 50000 h before luminous flux is reduced to 85% of the initial value
- Dimming level for DC mode preset to 15%
- 100% flexible, tool-free mechanical and electrical installation using CLIX-technology by means of two side-mounted rotary levers on the TECTON trunking
- No ultraviolet or infrared radiation
- Halogen-free wiring used in luminaire
- Dimmable model uses LDE (dimnable DALI) converter
- Luminaire available in white or silver

	L/W/H	kg	Order no.
<b>LED luminaires</b>			
LED5200-840 L1522 electronic	1522/51/48	2,5	42 182 824
LED5200-840 L1522 dimmable Dali	1522/51/48	2,5	42 182 823
LED5200-840 L1522 electronic	1522/51/48	2,5	42 182 822
LED5200-840 L1522 dimmable Dali	1522/51/48	2,5	42 182 821
LED8000-840 L1522 dimmable Dali	1522/51/48	2,5	42 184 965
LED8000-840 L1522 electronic	1522/51/48	2,5	42 184 964
LED8000-840 L1522 dimmable Dali	1522/51/48	2,5	42 184 963
LED8000-840 L1522 electronic	1522/51/48	2,5	42 184 962



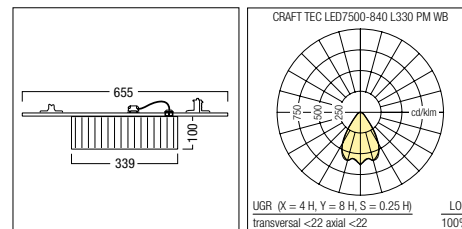
## TECTON decorative luminaires, decorative adapters and adapters

### TECTON luminaire CRAFT S



- Compact LED high-bay luminaire for connection to the TECTON continuous-row lighting system
- Compact LED high-bay luminaire with up to 7500 lm and efficiency of up to 125 lm/W
- Transparent PMMA diffuser with additional safety glass cover
- Resistant to oil-laden atmospheres
- Specially developed wide beam optic for uniform, square illumination without dark spots ( $UGR < 22$ ) or symmetric narrow distribution elliptical optic
- Application areas: Industrial halls (assembly and storage), building centres, reception halls, fair halls, presentation and sales (surface illumination), logistics and highbay racking
- Diecast aluminium housing, white powder-coated (optionally in silver)
- Luminaire designed with cooling fins for optimum thermal management and reduced dust accumulation
- LED service life: 50000 h to a luminous flux reduction to at least 85% (4000 K, 3000 K) or 90% (6500 K) of initial value
- Colour rendering index:  $R_a > 80$  (4000 K, 3000 K),  $R_a > 70$  (6500 K)
- Colour temperature: 3000 K (LED830: warm white), 4000 K (LED840: intermediate), 6500 K (LED765: cool white)
- Chromaticity tolerance between multiple luminaires of up to 4 MacAdam ellipses
- Recommended mounting height between 4–8 m
- Sealed to IP65
- Impact resistance factor: IK 08
- Luminaire has halogen-free and silicon-free wiring
- Ambient operating temperature: to +25 °C
- Generally equipped with DALI-controllable converter compatible with emergency supply
- Emergency power level preset to 15% (can be factory programmed between 1–100%)

	L/W/H	kg	Order no.
<b>LED luminaires, wide beam</b>			
LED7500-765	339/165/159	3,3	42 183 266
LED7500-830	339/165/159	3,3	42 183 264
LED7500-840	339/165/159	3,3	42 183 265
<b>LED luminaires, narrow beam</b>			
LED7500-765	339/165/159	3,3	42 183 272
LED7500-830	339/165/159	3,3	42 183 270
LED7500-840	339/165/159	3,3	42 183 271



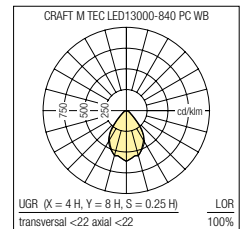
## TECTON decorative luminaires, decorative adapters and adapters

### TECTON luminaire CRAFT M



- Compact LED high-bay luminaire for connection to the TECTON continuous-row lighting system
- Compact LED highbay luminaire with up to 13000 lm and efficiency of up to 128 lm/W
- Transparent PMMA diffuser with additional safety glass cover
- Resistant to oil-laden atmospheres
- Specially developed widebeam optic for uniform, square illumination with no dark areas (UGR < 22)
- Typical applications: assembly and production facilities, sports halls, DIY stores, arrival halls
- Die-cast aluminium housing in white powder-coated finish with cooling fins
- Luminaire designed with cooling fins for optimum thermal management and reduced dust accumulation
- LED service life: 50000 h before luminous flux is reduced to at least 85% (4000 K) or 90% (6500 K) of the initial value
- Colour rendering index: Ra > 80 (4000 K), Ra > 70 (6500 K)
- Colour temperature: 4000 K (LED840: intermediate), 6500 K (LED765: cool white)
- Chromaticity tolerance between multiple luminaires of up to 4 MacAdam ellipses
- Sealed to IP65
- Luminaire has halogen-free and silicon-free wiring
- Ambient operating temperature: to +25 °C
- Generally equipped with DALI-controllable converter compatible with emergency supply
- Emergency power level preset to 15% (can be factory programmed between 1–100%)

	L/W/H	kg	Order no.
<b>LED luminaires Wide Beam in PC</b>			
LED13000-765	673/331/170	7,0	42 183 586
LED13000-840	673/331/170	7,0	42 183 585
LED17000-765	673/331/170	7,0	42 928 198
LED17000-840	673/331/170	7,0	42 184 541
<b>LED luminaires Wide Beam in PM</b>			
LED13000-765	673/331/170	7,0	42 183 590
LED13000-840	673/331/170	7,0	42 183 589
LED17000-765	673/331/170	7,0	42 928 194
LED17000-840	673/331/170	7,0	42 927 932
<b>LED luminaires Narrow Beam in PC</b>			
LED13000-765	673/331/170	7,0	42 927 878
LED13000-840	673/331/170	7,0	42 184 414
LED17000-765	673/331/170	7,0	42 928 199
LED17000-840	673/331/170	7,0	42 928 200
<b>LED luminaires Narrow Beam in PM</b>			
LED13000-765	673/331/170	7,0	42 928 193
LED13000-840	673/331/170	7,0	42 927 929
LED17000-765	673/331/170	7,0	42 928 202
LED17000-840	673/331/170	7,0	42 928 201



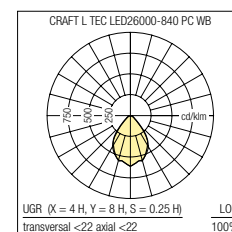
## TECTON decorative luminaires, decorative adapters and adapters

### TECTON luminaire CRAFT L



- Compact LED high-bay luminaire for connection to the TECTON continuous-row lighting system
- Compact LED highbay luminaire with up to 13000 lm and efficiency of up to 128 lm/W
- Transparent PMMA diffuser with additional safety glass cover
- Resistant to oil-laden atmospheres
- Specially developed widebeam optic for uniform, square illumination with no dark areas (UGR < 22)
- Typical applications: assembly and production facilities, sports halls, DIY stores, arrival halls
- Die-cast aluminium housing in white powder-coated finish with cooling fins
- Luminaire designed with cooling fins for optimum thermal management and reduced dust accumulation
- LED service life: 50000 h before luminous flux is reduced to at least 85% (4000 K) or 90% (6500 K) of the initial value
- Colour rendering index: Ra > 80 (4000 K), Ra > 70 (6500 K)
- Colour temperature: 4000 K (LED840: intermediate), 6500 K (LED765: cool white)
- Chromaticity tolerance between multiple luminaires of up to 4 MacAdam ellipses
- Sealed to IP65
- Luminaire has halogen-free and silicon-free wiring
- Ambient operating temperature: to +25 °C
- Generally equipped with DALI-controllable converter compatible with emergency supply
- Emergency power level preset to 15% (can be factory programmed between 1–100%)

	L/W/H	kg	Order no.
<b>LED luminaires Wide Beam in PM</b>			
LED26000-765	963/330/114	10,0	42 183 592
LED26000-840	963/330/114	10,0	42 183 591
LED34000-765	963/330/114	10,0	42 928 207
LED34000-840	963/330/114	10,0	42 927 931
<b>LED luminaires Wide Beam in PC</b>			
LED26000-765	963/330/114	10,0	42 183 588
LED26000-840	963/330/114	10,0	42 183 587
LED34000-765	963/330/114	10,0	42 928 204
LED34000-840	963/330/114	10,0	42 184 542
<b>LED luminaires Narrow Beam in PC</b>			
LED26000-765	963/330/114	10,0	42 928 203
LED26000-840	963/330/114	10,0	42 928 088
LED34000-765	963/330/114	10,0	42 928 205
LED34000-840	963/330/114	10,0	42 928 122
<b>LED luminaires Narrow Beam in PM</b>			
LED26000-765	963/330/114	10,0	42 928 195
LED26000-840	963/330/114	10,0	42 928 196
LED34000-765	963/330/114	10,0	42 928 197
LED34000-840	963/330/114	10,0	42 928 206



## TECTON decorative luminaires, decorative adapters and adapters

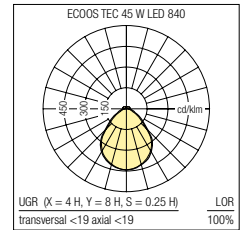
### TECTON decorative luminaire ECOOS LED



- TECTON luminaire with micro-pyramidal structure optic
- Single-piece MPO+ micro-pyramidal optic with multi-layer construction for defined emission with  $L < 3000 \text{ cd/m}^2$  at  $65^\circ$  and  $\text{UGR} < 19$
- Colour temperature 4000 K (intermediate) and 3000 K (warm white)
- Colour rendering index:  $\text{Ra} > 80$
- LED service life: 50000 h before luminous flux is reduced to 80% of the initial value
- Chromaticity tolerance between multiple luminaires of up to 4 MacAdam ellipses
- Luminaire fitted using two externally accessible rotary knobs
- Simultaneous electrical and physical connection on trunking
- Gear tray made of white powder-coated aluminium extrusion
- Perforated aluminium reflector provides illumination on each side and reduces luminance levels
- Polymethyl-methacrylate housing
- Includes optic with end-cap set and gear tray
- Luminaire pre-wired using halogen-free leads

#### Dimmable luminaires

	L	kg	Order no.
LED2800-830 L1200	1207	3,2	42 182 215
LED3000-840 L1200	1207	3,2	42 182 209
LED3600-830 L1500	1507	3,8	42 182 711
LED3800-840 L1500	1507	3,8	42 182 710
LED5600-830 L1500	1507	3,8	42 182 216
LED6000-840 L1500	1507	3,8	42 182 210



### TECTON adapter for LINCOR

- TECTON adapter with safety chain and fixing screws for mounting the Lincor luminaire to the TECTON continuous row lighting system
- Rapid, tool-free mounting, flexible positioning of the luminaire via adapter to the TECTON continuous-row lighting system
- The TECTON fastening system enables modifications to luminaire arrangements

#### Accessory

	kg	Order no.
TECTON 1210 Adapter	0,5	22 169 119



### TECTON adapter for PERLUCE

- TECTON adapter with safety chain and fixing screws for mounting the Perluce luminaire to the TECTON continuous row lighting system
- Rapid, tool-free mounting, flexible positioning of the luminaire via adapter to the TECTON continuous-row lighting system
- The TECTON fastening system enables modifications to luminaire arrangements

#### PERLUCE adapter

	kg	Order no.
PERLUCE L1220 TECTON ADAPT LDE	0,6	22 157 835
PERLUCE L1520 TECTON ADAPT LDE	0,7	22 157 834
PERLUCE L620 TECTON ADAPT LDE	0,4	22 157 836





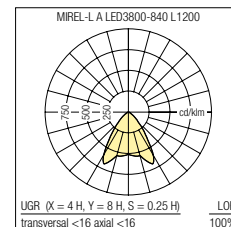
## TECTON decorative luminaires, decorative adapters and adapters

### TECTON luminaire with MIREL evolution lens optic



- LED luminaire with lens optic for connection to the TECTON continuous-row lighting system
- High quality white powder-coated flat luminaire housing with visible luminaire height of 52 mm
- Light guided via square lens optic for maximum luminaire efficiency, perfect glare reduction and batwing light distribution
- Glare control to EN 12464-1 with  $L65 < 1000 \text{ cd/m}^2$  at  $65^\circ$  in all directions and  $UGR < 16$  for DSE workstations
- High luminaire efficiency of up to  $112 \text{ lm/W}$
- Colour temperature 4000 K (intermediate) and 3000 K (warm white)
- LED service life: 50000 h before luminous flux is reduced to 80% of the initial value
- Colour rendering  $R_a > 80$  for office applications
- Chromaticity tolerance between multiple luminaires of up to 3 MacAdam ellipses
- Low sensitivity to soiling and simple cleaning
- Halogen-free wiring used in luminaire

	L/W/H	kg	Order no. <i>electronic</i>	Order no. <i>dimnable Dali only</i>
<b>LED luminaires</b>				
LED2800-830 L1200	1200/300/52	7,0	42 183 161	42 183 162
LED2800-840 L1200	1200/300/52	7,0	42 183 095	42 183 101
LED3600-830 L1200	1200/300/52	7,0	42 183 097	42 183 103
LED3800-840 L1200	1200/300/52	7,0	42 183 096	42 183 102



**TECTON ONLITE**|...| Shared properties ONLITE RESCLITE

---

- Roll-formed sheet steel with white polyester resin enamel coating
- Reflectors and lenses made of PC
- NSI/NPS/NDA mains connection: 220/240 V AC/DC 50/60 Hz
- Mains connection NT: 220/240 V AC 50/60 Hz
- Phase selection for 3 phase circuits and 2 emergency lighting circuits
- Plug-in terminals for through-wiring, max. 2.5 mm<sup>2</sup>
- NT1 and NT3: 1 h and 3 h self-contained battery systems; NDA: eBox or CPS (DALI communication); NSI: eBox (Powerline communication); NPS: CPS or eBox (circuit monitoring)
- Luminaire pre-wired using halogen-free leads

## TECTON ONLITE

### TECTON with ONLITE RESCLITE escape



- [...]
  - LED emergency luminaire for escape route illumination to EN 1838
  - Installed load < 5.5 W; standby power (non-maintained mode) < 1.5 W
  - Tool-free connection to TECTON continuous row lighting system
  - Version H180 and High Ceiling: optic can be rotated and locked
  - Version High Ceiling: 2 high-power LEDs, total luminous flux of luminaire 250 lm, suitable for high ceilings from 7 to 23 m, luminaire ball-proof in compliance with DIN 18032 Part 2
  - Version High Ceiling: IP65 housing of diecast aluminium, powder-coated white RAL 9016, fibre-glass reinforced PC housing with transparent PC light outlet

#### Centrally supplied, white

	Order no.
RESCLITE C ESCAPE HC TEC-GP NDA WH	42 183 124
RESCLITE C ESCAPE HC TEC-GP NPS WH electronic	42 183 126
RESCLITE C ESCAPE HC TEC-GP NSI WH	42 183 125
RESCLITE C ESCAPE TEC-GP LED NDA H180	42 183 116
RESCLITE C ESCAPE TEC-GP LED NDA WH	42 183 107
RESCLITE C ESCAPE TEC-GP LED NPS H180 electronic	42 183 123
RESCLITE C ESCAPE TEC-GP LED NPS WH electronic	42 183 120
RESCLITE C ESCAPE TEC-GP LED NSI H180	42 183 117
RESCLITE C ESCAPE TEC-GP LED NSI WH	42 183 106

#### Self contained with monitoring; white

	Order no.
RESCLITE C ESCAPE TEC-GP LED NT1 H180 1 h	42 183 118
RESCLITE C ESCAPE TEC-GP LED NT1 WH 1 h	42 183 104
RESCLITE C ESCAPE TEC-GP LED NT3 H180 3 h	42 183 119
RESCLITE C ESCAPE TEC-GP LED NT3 WH 3 h	42 183 105



### TECTON with ONLITE RESCLITE anti-panic



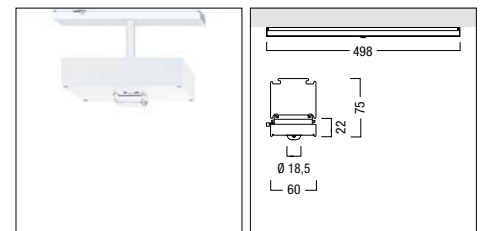
- [...]
  - LED emergency luminaire for antipanic lighting to EN 1838
  - Installed load < 5.5 W; standby power (non-maintained mode) < 1.5 W
  - Version High Ceiling: IP65 housing of diecast aluminium, powder-coated white RAL 9016, fibre-glass reinforced PC housing with transparent PC light outlet
  - Version High Ceiling: 2 high-power LEDs, total luminous flux of luminaire 250 lm, suitable for high ceilings from 7 to 23 m, luminaire ball-proof in compliance with DIN 18032 Part 2
  - Version H180 and High Ceiling: optic can be rotated and locked

#### Centrally supplied, white

	Order no.
RESCLITE C ANTIPANIC HC TEC-GP NDA WH	42 183 131
RESCLITE C ANTIPANIC HC TEC-GP NPS WH electronic	42 183 133
RESCLITE C ANTIPANIC HC TEC-GP NSI WH	42 183 132
RESCLITE C ANTIPANIC TEC-GP LED NDA WH	42 183 111
RESCLITE C ANTIPANIC TEC-GP LED NPS WH electronic	42 183 121
RESCLITE C ANTIPANIC TEC-GP LED NSI WH	42 183 110

#### Self contained with monitoring; white

	Order no.
RESCLITE C ANTIPANIC TEC-GP LED NT1 WH 1 h	42 183 108
RESCLITE C ANTIPANIC TEC-GP LED NT3 WH 3 h	42 183 109



### TECTON with ONLITE RESCLITE spot



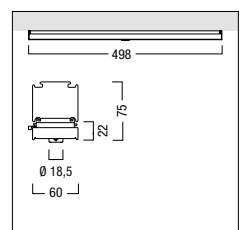
- [...]
  - LED emergency luminaire for increased illuminance levels to EN 1838
  - Large heat sink ensures optimum thermal management
  - Status LED (NT1 and NT3) integrated in the transparent end caps
  - Connected load of all RESCLITE types < 5 W; standby power (non-maintained mode) < 1.5 W
  - Tool-free quick-fit installation for all luminaire types
  - In the self-contained models (NT1 and NT3), the NiMH battery is replaced without tools
  - Tool-free connection to TECTON continuous row lighting system

#### Centrally supplied, white

	Order no.
RESCLITE C SPOT TEC-GP LED NDA WH	42 183 115
RESCLITE C SPOT TEC-GP LED NPS WH electronic	42 183 122
RESCLITE C SPOT TEC-GP LED NSI WH	42 183 114

#### Self contained with monitoring; white

	Order no.
RESCLITE C SPOT TEC-GP LED NT1 WH 1 h	42 183 112
RESCLITE C SPOT TEC-GP LED NT3 WH 3 h	42 183 113



## TECTON ONLITE

### TECTON with ONLITE CROSSIGN



- TECTON pendant suspension, module length 300 mm
- Adapter fitted without tools
- Phase/neutral conductor for the emergency circuit can be chosen to suit
- In the self-contained models (NT1 and NT3), the NiMh battery is replaced without tools
- Housing made of white polycarbonate
- Frameless pictogram can be fitted without tools
- LED control gear with "Maintenance Function" guarantees a constant luminous flux over the entire operating life of the LED luminaire (excludes NPS version)
- Address for individual luminaires set mechanically or optically (excluding NPS version)
- ERI (Escape Route Illumination) using two rotatable LED spots as versatile emergency lighting
- Version 110: installed load: NT1 (4.5 W), NT3 (4.5 W), NSI (5 W), NDA (4.5 W), NPS (4.5 W)
- Version 160: installed load: NT1 (5.8 W), NT3 (6.5 W), NSI (6 W), NDA (6 W), NPS (5.5 W)
- NPS: standard 230 V AC/DC 50/60 Hz compatible driver without monitoring
- ENEC pending

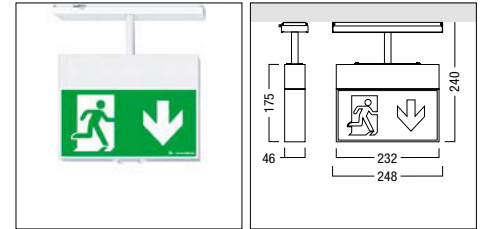
#### Centrally supplied

	Order no.
CROSSIGN 110 TEC-GP NDA	42 183 146
CROSSIGN 110 TEC-GP NDA ERI	42 183 151
CROSSIGN 110 TEC-GP NPS electronic	42 183 147
CROSSIGN 110 TEC-GP NSI	42 183 145
CROSSIGN 110 TEC-GP NSI ERI	42 183 150
CROSSIGN 160 TEC-GP NDA	42 183 137
CROSSIGN 160 TEC-GP NDA ERI	42 183 142
CROSSIGN 160 TEC-GP NPS electronic	42 183 138
CROSSIGN 160 TEC-GP NSI	42 183 136
CROSSIGN 160 TEC-GP NSI ERI	42 183 141

#### Self contained with monitoring

	Order no.
CROSSIGN 110 TEC-GP NT1 1h	42 183 143
CROSSIGN 110 TEC-GP NT1 ERI 1h	42 183 148
CROSSIGN 110 TEC-GP NT3 3h	42 183 144
CROSSIGN 110 TEC-GP NT3 ERI 3h	42 183 149
CROSSIGN 160 TEC-GP NT1 1h	42 183 134
CROSSIGN 160 TEC-GP NT1 ERI 1h	42 183 139
CROSSIGN 160 TEC-GP NT3 3h	42 183 135
CROSSIGN 160 TEC-GP NT3 ERI 3h	42 183 140

Please order escape signs separately.



### TECTON with ONLITE PURESIGN 150



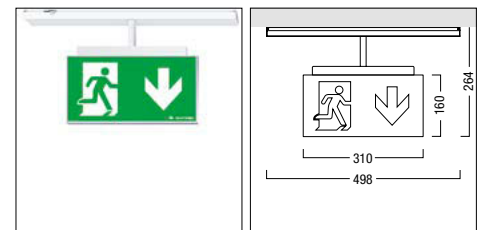
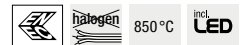
- TECTON pendant suspension, module length 602 mm
- Adapter for COMSIGN 150 and PURESIGN 150 fitted without tools
- Phase/neutral conductor for the emergency circuit can be chosen to suit
- LED control gear with "Maintenance Function" guarantees a constant luminous flux over the entire operating life of the LED luminaire (excludes NPS version)
- Address for individual luminaires set mechanically or optically (excluding NPS version)
- Power consumption: NT1 (4.5 W), NT3 (4.5 W)
- Power consumption: NSI (5 W), NDA (4.5 W), NPS (4.5 W)
- NPS: standard 230 V AC/DC 50/60 Hz compatible driver without monitoring
- ENEC pending

#### Centrally supplied

	Order no.
PURESIGN 150 TEC-GP NDA	42 183 157
PURESIGN 150 TEC-GP NPS electronic	42 183 158
PURESIGN 150 TEC-GP NSI	42 183 156

#### Self contained with monitoring

	Order no.
PURESIGN 150 TEC-GP NT1 1h	42 183 154
PURESIGN 150 TEC-GP NT3 3h	42 183 155



## TECTON spotlight

### FACTOR CYLINDRIC TEC GP LED

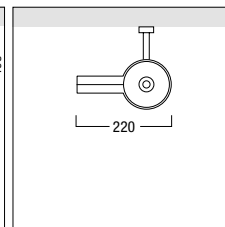
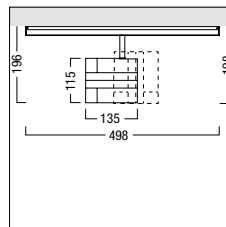


- “Essential stableWhite” LED spotlight with stabilised colour temperature (warm white/intermediate)
- FW/BKY versions: with colour temperature specifically matched to requirements of meat and bakery products
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- Innovative thermal management employing passive cooling achieves COOL TOUCH function
- Converter integrated in the luminaire
- Spotlight rotates through 360° and pivots through 90°
- Die-cast aluminium spotlight housing
- Colour: white microtextured paint
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Service life: 50000 hrs. at 80% luminous flux, with 70% luminous flux (LED-BKY/LED-FW)
- UVA-free and IR-free light
- Colour temperature: “LED-BKY” version matched to baked products
- Colour temperature: “LED-FW” version matched to meat products
- stableWhite colour temperature: 3000 K (LED830: warm white) or 4000 K (LED840: intermediate)
- Colour rendering index: Ra > 80
- Luminaire luminous flux: 2000 lm (FW), 2300 lm (BKY), 36 W
- Luminaire luminous flux: 3700–4000 lm (36 W)
- Luminaire efficiency: 56 lm/W (FW), 64 lm/W (BKY), 36 W
- Luminaire efficiency: 103–111 lm/W (36 W)
- Mains voltage: 220–240 V / 50/60 Hz
- Trunking module: length 498 mm
- Spotlight fixed via TECTON GP adapter (grand profile) to the trunking using CLIX technology
- Spotlight cannot be fitted over input power feed, central power feed or output power feed

kg Order no.

#### LED spot, flood, with CLIX technology (TECTON GP)

LED2000-FW flood, fresh meat electronic	2,1	60 713 373
LED2300-BKY flood, bakery electronic	2,1	60 713 374
LED4000-830 flood	2,1	60 714 403
LED4100-840 flood	2,1	60 714 404



LED4000-840, FLOOD (ST7065_N)		
Mounting height	Average Illuminance	Beam Diameter
1 m	11954 lux	0.44 m
2 m	2989 lux	0.88 m
3 m	1328 lux	1.32 m
4 m	747 lux	1.77 m

Φ=4000 lm Half beam angle=2x12° LOR=100%

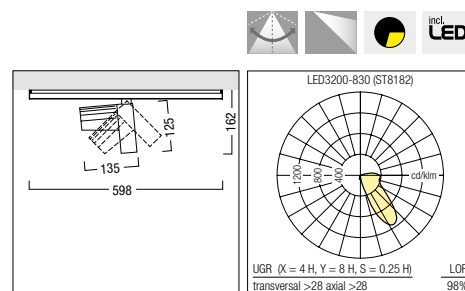
## TECTON spotlight

### INTRO liteCarve® TEC GP LED



- LED spotlight for brilliant accenting on vertical surfaces, displays and shelving in the shop and retail sector
- Lamp unit: Zumtobel patented liteCarve® free-form reflector technology for homogeneous, rectangular light distribution
- From an LED point light source, the liteCarve® reflector guides the light 100% indirectly, targeted and without stray light onto the vertical surface
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Lamp unit rotatable through  $\pm 90^\circ$  and tiltable through  $-5^\circ/+40^\circ$
- Lamp unit of diecast aluminium and PC, coated black or white
- Passive cooling achieved by innovative thermal design
- Service life: 50000 h at 70% luminous flux
- Colour temperature: 3000 K (LED830: warm white), 4000 K (LED840: intermediate)
- Colour rendering index: Ra > 80
- Installed load: 53 W
- Luminaire efficiency: 69–74 lm/W
- Luminaire luminous flux of lamp unit: 3300–3500 lm (approx. 1 KLx at distance of 1 m)
- Distance to illuminated surface: 1/3 of installation height (optimum room height: 3 m)
- Includes control gear
- Mains voltage: 230 V / 50/60 Hz
- Trunking module: length 598 mm
- Spotlight fixed via TECTON GP adapter (grand profile) to the trunking using CLIX technology
- Spotlight cannot be fitted over input power feed, central power feed or output power feed

	kg	Order no.
<b>LED spot with CLIX technology (TECTON GP)</b>		
LED3400-830	2,1	60 714 493
LED3600-840	2,1	60 714 494
<b>Accessory</b>		
Screen, black		60 200 109
Screen, white		60 200 111





## TECTON spotlight

### IYON M TEC GP LED (Essential/Essential+ stableWhite)



- LED spotlight “Essential/ Essential+ stableWhite” with stabilised colour temperature (warm white / intermediate)
- Optimised for efficient accent lighting in shops and showrooms
- Passive cooling achieved by innovative thermal design
- Housing made of die-cast aluminium
- Colour: matt white microtextured paint
- Front ring fixed to spotlight housing by twist-and-lock mechanism
- Spotlight rotates through 360° and pivots through 90°
- Specular reflector of aluminised PC, highly specular, iridescence-free
- 50000 h service life at 80% luminous flux
- Essential version: stableWhite colour temperature: 3000 K (LED830: warm white) or 4000 K (LED840: intermediate), colour rendering: Ra 80
- Essential+ version: stableWhite colour temperature: 3000 K (LED930: warm white) or 4000 K (LED940: intermediate), colour rendering: Ra 90
- Essential version: Luminous flux: 2800–2900 lm (27 W), 3700–4000 lm (36 W); luminaire efficiency: 104–107 lm/W (27 W), 103–111 lm/W (36 W)
- Essential+ version: luminaire luminous flux: 2200–2400 lm (27 W), 2900–3300 lm (36 W); luminaire efficiency: 81–89 lm/W (27 W), 81–92 lm/W (36 W)
- Includes control gear
- Dimmable Dali version: illuminance level has 5–100% dimming adjustment
- Mains voltage: 220–240 V / 50/60 Hz
- Trunking module: length 498 mm
- Spotlight fixed via TECTON GP adapter (grand profile) to the trunking using CLIX technology
- DALI version: for DALI-controlled TECTON system
- Spotlight cannot be fitted over input power feed, central power feed or output power feed

kg Order no.

#### LED spot, flood, with CLIX technology (TECTON GP)

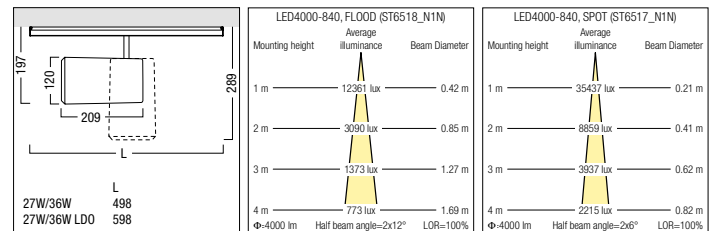
LED3300-940 flood	2,4	60 714 463
LED3300-940 flood, dimmable Dali only		60 714 469
LED3300-940 wideflood		60 714 464
LED3300-940 wideflood, dimmable Dali only		60 714 470
LED3400-930 flood	2,5	60 714 460
LED3400-930 flood, dimmable Dali only		60 714 466
LED3400-930 wideflood	2,0	60 714 461
LED3400-930 wideflood, dimmable Dali only		60 714 467

#### LED spotlight, spot, with CLIX technology (TECTON GP)

LED3300-940 spot		60 714 462
LED3300-940 spot, dimmable Dali only		60 714 468
LED3400-930 spot		60 714 459
LED3400-930 spot, dimmable Dali only		60 714 465

#### Accessory

50° oval-outline lens	60 700 271
Black anti-glare ring	60 700 260
Honeycomb louvre, black	60 700 273
Interchangeable reflector, flood	60 700 277
Interchangeable reflector, spot	60 700 276
Replacement reflector, wideflood	60 700 280



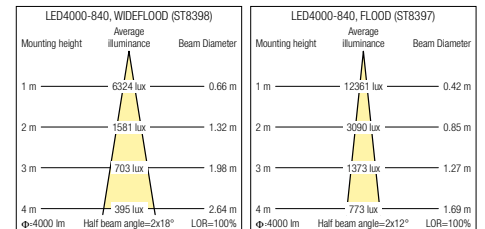
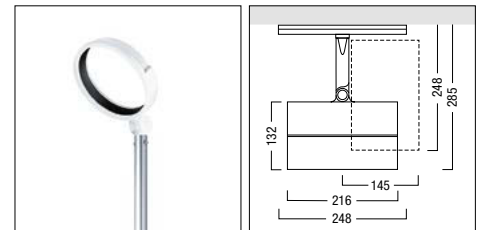
## TECTON spotlight

### ONICO L TEC-GP LED (Essential stableWhite)



- “Essential stableWhite” LED spotlight with stabilised colour temperature (warm white/intermediate)
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- Passive cooling achieved by innovative thermal design
- With converter integrated in spotlight housing
- Die-cast aluminium spotlight housing
- Colour: white microtextured paint
- Spotlight head rotatable through 335° and tiltable through 90°
- Black polycarbonate front ring provides excellent glare control
- Front ring serves for accommodation of accessories
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Specular reflector designed to be interchangeable
- 50000 h service life at 80% luminous flux
- stableWhite colour temperature: 3000 K (LED830: warm white) or 4000 K (LED840: intermediate)
- Colour rendering index: Ra > 80
- Luminaire luminous flux: 3700–4000 lm
- Luminaire efficiency: 103–111 lm/W (36 W)
- Mains voltage: 220–240 V / 50/60 Hz
- Trunking module: length 248 mm
- Spotlight fixed via TECTON GP adapter (grand profile) to the trunking using CLIX technology
- Versions with “spot” and “wideflood” reflectors can be ordered as variants
- Spotlight cannot be fitted over input power feed, central power feed or output power feed

	kg	Order no.
<b>LED spot with CLIX technology (TECTON GP)</b>		
LED3700-830 flood electronic	2,1	60 713 536
LED3700-830 flood, Dali dimmable only dimmable Dali only	2,1	60 713 989
LED3700-830 wideflood electronic	2,1	60 713 537
LED4000-840 flood electronic	2,1	60 713 538
LED4000-840 flood, Dali dimmable only dimmable Dali only	2,1	60 713 990
LED4000-840 wideflood electronic	2,1	60 713 539
<b>Accessory</b>		
Interchangeable reflector, spot		60 700 374
Interchangeable reflector, flood		60 700 375
Interchangeable reflector, wideflood		60 700 376
Interchangeable reflector, very wideflood		60 700 377
Soft-outline lens		60 700 368
Oval outline lens		60 700 370
Honeycomb louvre, black		60 700 372





## TECTON spotlight

### VIVO L TEC-GP LED (Essential stableWhite)



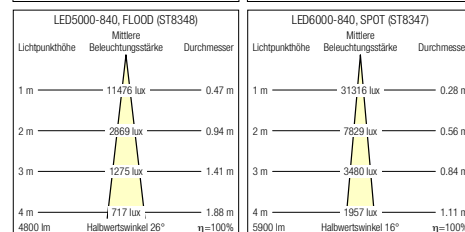
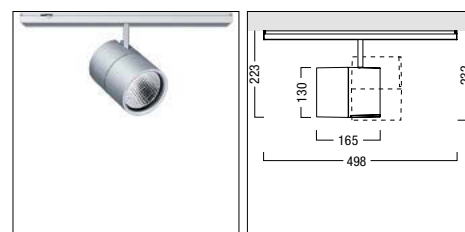
- |...|
- “Essential stableWhite” LED spotlight with stabilised colour temperature (warm white/intermediate)
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- Passive cooling achieved by innovative thermal design
- Spotlight surround made of 2-piece diecast aluminium; optional microtextured finishes: white or silver
- Front cylinder fixed to rear housing by twist-and-lock mechanism
- 60 W version: specular reflector of ultra-pure aluminium, silver-colour anodised
- 50000 h service life at 80% luminous flux
- stableWhite colour temperature: 3000 K (LED830: warm white) or 4000 K (LED840: intermediate)
- Colour rendering index: Ra > 80
- Luminaire luminous flux: 3700–4000 lm (36 W)
- Luminaire luminous flux: 4700–5900 lm (61.2 W)
- Luminaire efficiency: 103–111 lm/W (36 W)
- Luminaire efficiency: 77–96 lm/W (61.2 W)
- Includes control gear

	kg	Order no.	Order no.
<b>LED spot VIVO L, flood, with CLIX technology (TECTON GP)</b>		white	silver
LED3700-830 flood	2,7	60 713 705	60 713 706
LED3700-830 wideflood	2,7	60 713 707	60 713 708
LED4000-840 flood	2,7	60 713 711	60 713 712
LED4000-840 wideflood	2,7	60 713 713	60 713 714
LED4800-830 flood	3,0	60 714 052	60 714 053
LED5000-830 wideflood	3,0	60 714 054	60 714 055
LED5000-840 flood	3,0	60 714 058	60 714 059
LED5200-840 wideflood	3,0	60 714 060	60 714 061

		white	silver
<b>LED spotlight VIVO L, spot, with CLIX technology (TECTON GP)</b>			
LED3700-830 spot	2,7	60 713 703	60 713 704
LED4000-840 spot	2,7	60 713 709	60 713 710
LED5800-830 spot	3,0	60 714 050	60 714 051
LED6000-840 spot	3,0	60 714 056	60 714 057

#### Accessory

Interchangeable reflector, spot	60 700 276
Interchangeable reflector, flood	60 700 277
Replacement reflector, wideflood	60 700 280
Replacement reflector spot (60 W)	60 700 351
Replacement reflector flood (60 W)	60 700 352
Replacement reflector wideflood (60 W)	60 700 353
Honeycomb mesh, black	60 700 040
Anti-glare blades, black	60 700 082



## TECTON spotlight

### VIVO L TEC-GP LED (Essential+ stableWhite)



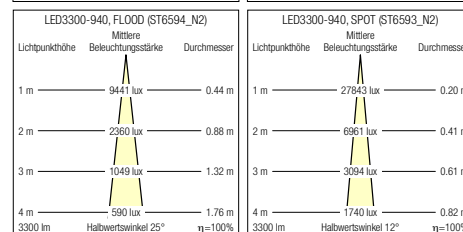
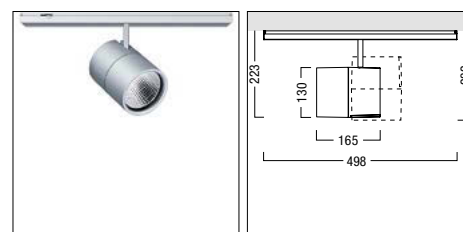
- [...]
  - LED spotlight "Essential+ stableWhite" with stabilised colour temperature (warm white / intermediate)
  - Optimized for efficient and high-performance accent lighting in shops and salesrooms
  - Passive cooling achieved by innovative thermal design
  - Spotlight surround made of 2-piece diecast aluminium; optional microtextured finishes: white or silver
  - Front cylinder fixed to rear housing by twist-and-lock mechanism
  - 60 W version: specular reflector of ultra-pure aluminium, silver-colour anodised
  - 50000 h service life at 80% luminous flux
  - stableWhite colour temperature: 3000 K (LED930: warm white) or 4000 K (LED940: intermediate)
  - Colour rendering index: Ra > 90
  - Luminaire luminous flux: 2900–3300 lm (36 W)
  - Luminaire luminous flux: 3900–4900 lm (61.2 W)
  - Luminaire efficiency: 81–92 lm/W (36 W)
  - Luminaire efficiency: 64–80 lm/W (61.2 W)
  - Includes control gear

	kg	Order no.	Order no.
<b>LED spot VIVO L, flood, with CLIX technology (TECTON GP)</b>		white	silver
LED2900-930 flood	2,7	60 713 717	60 713 718
LED2900-930 wideflood	2,7	60 713 719	60 713 720
LED3300-940 flood	2,7	60 713 723	60 713 724
LED3300-940 wideflood	2,7	60 713 725	60 713 726
LED4000-930 flood	3,0	60 714 088	60 714 089
LED4200-930 wideflood	3,0	60 714 090	60 714 091
LED4200-940 flood	3,0	60 714 094	60 714 095
LED4400-940 wideflood	3,0	60 714 096	60 714 097

		white	silver
<b>LED spotlight VIVO L, spot, with CLIX technology (TECTON GP)</b>			
LED2900-930 spot	2,7	60 713 715	60 713 716
LED3300-940 spot	2,7	60 713 721	60 713 722
LED4800-930 spot	3,0	60 714 086	60 714 087
LED5000-940 spot	3,0	60 714 092	60 714 093

#### Accessory

Interchangeable reflector, spot	60 700 276
Interchangeable reflector, flood	60 700 277
Replacement reflector, wideflood	60 700 280
Replacement reflector spot (60 W)	60 700 351
Replacement reflector flood (60 W)	60 700 352
Replacement reflector wideflood (60 W)	60 700 353
Honeycomb mesh, black	60 700 040
Anti-glare blades, black	60 700 082



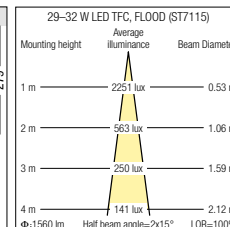
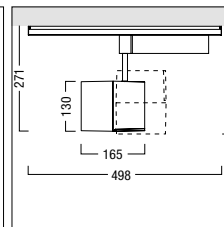
## TECTON spotlight

### VIVO L TEC-GP LED (Tunable Food Colour)



- [...]
  - High-performance, innovative "Tunable Food Colour" (TFC) LED spotlight with adjustable colour temperatures
  - Optimised for efficient, uniform and customised accent lighting for food retailing
  - 10 pre-programmed colour settings can be selected using a rotary switch on the converter box
  - Users can tune the lamp precisely to output a light colour suited to fruit, vegetables, meat or cheese
  - Patented reflector-lens system delivers a precise beam pattern of flood and wideflood
  - Includes converter in separate polycarbonate box
  - Spotlight surround made of 2-piece diecast aluminium; optional microtextured finishes: white or silver
  - Front cylinder fixed to rear housing by twist-and-lock mechanism
  - Service life: 50000 h at 70% luminous flux
  - Colour rendering index: Ra > 80
  - "Tunable Food Colour" (TFC) colour temperature in 10 preset levels
  - Luminaire luminous flux: 1560 lm (29–32 W)
  - Luminaire efficiency: 49 lm/W

	kg	Order no.
<b>LED spot, flood, with CLIX technology (TECTON GP)</b>		<i>electronic</i>
29–32 W LED TFC flood electronic	3,0	60 713 440
29–32 W LED TFC flood electronic	3,0	60 713 441
29–32 W LED TFC wideflood electronic	3,0	60 713 442
29–32 W LED TFC wideflood electronic	3,0	60 713 443
<b>Accessory</b>		
Anti-glare blades, black	0,4	60 700 082
Honeycomb mesh, black		60 700 040
Interchangeable reflector, flood		60 700 321
Replacement reflector, wideflood		60 700 322





## TECTON spotlight

### VIVO-P L TEC LED (Food)



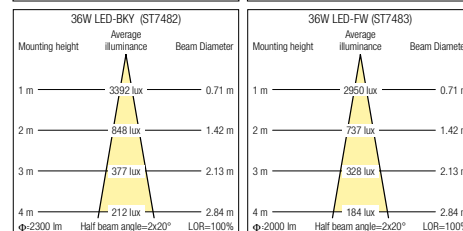
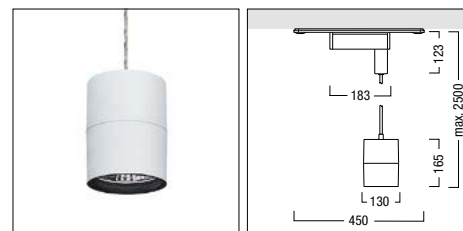
- Innovative LED suspended luminaire (VIVO L construction design), with colour temperature specifically matched to requirements of meat and bakery products
- With wideflood distribution characteristic
- 2-piece luminaire housing made of die-cast aluminium in white or silver microtextured-paint finish
- Passive cooling achieved by innovative thermal design
- Front cylinder fixed to rear housing by twist-and-lock mechanism
- Reflector and accessories can be changed easily without tools
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Includes converter in separate polycarbonate box
- Colour temperature: "LED-BKY" version matched to baked products
- Colour temperature: "LED-FW" version matched to meat products
- Service life: 50000 h at 70% luminous flux
- Luminaire luminous flux: 2000–2300 lm
- Luminaire efficiency: 56–64 lm/W
- Mains voltage: 220–240 V / 50/60 Hz
- UVA-free and IR-free light
- Overall length of luminaire including transparent pendant cord: 2500 mm max.
- Trunking module: length 450 mm
- CLIX technology used to fix pendant luminaire to trunking
- Pendant cord can be cut to length on site at pendant adapter
- Pendant luminaire cannot be fitted over incoming feeder, central feeder or outgoing feeder

kg Order no. Order no.

#### LED pendant luminaire with CLIX technology (TECTON)

	kg	Order no.	Order no.
36W LED-BKY wideflood, bakery	2,3	60 510 179	60 510 180
36W LED-FW wideflood, fresh meat	2,3	60 510 183	60 510 184

For reflectors for replacing, see VIVO L/M TEC accessory: 60 700 276/277/280.



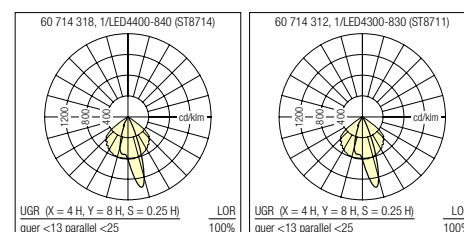
## TECTON spotlight

### KATALYST TEC-GP LED



- LED spotlight “Essential stable-White” with stabilised colour temperature (warm white / neutral white)
- Optimised for the efficient homogeneous vertical illumination of sales shelving with unique brilliance in shops and showrooms
- Passive cooling due to innovative heat dissipation
- With converter integrated in spotlight housing
- Spotlight can rotate through 360°, spotlight head can tilt through max. 19°
- Spotlight housing of diecast aluminium/extruded profile
- Colour: white micro-textured paint
- Excellent glare reduction
- Flexible in height and width due to different reflectors – all common mounting heights and aisle widths are possible
- Reflector of ultra-pure aluminium, silver-colour anodised
- Service life: 50000 h at 80% luminous flux
- Colour temperature stableWhite: 3000 K (LED830: warm white) or 4000 K (LED840: neutral white)
- Colour rendering:  $R_a > 80$
- Luminaire luminous flux: 4300–5000 lm (46 W)
- Luminaire luminous flux: 8600–10000 lm (92 W)
- Luminaire efficiency: 93–109 lm/W
- Mains voltage: 220–240 V / 50/60 Hz
- Trunking rail insert: length 248 mm
- Spotlight connected with the TECTON GP adapter (grand profile) to the trunking rail with CLIX- technology
- Spotlight cannot be fitted over incoming feeder, central feeder or outgoing feeder

	kg	Order no.
<b>LED spotlight with CLIX technology (TECTON GP), mounting height 3.0 m</b> <i>electronic</i>		
1/LED4900-830	3,2	60 714 311
1/LED5000-840	3,2	60 714 317
2/LED4900-830	5,0	60 714 314
2/LED5000-840	5,0	60 714 320
<b>LED spotlight with CLIX technology (TECTON GP), mounting height 3.5 m</b> <i>electronic</i>		
1/LED4300-830	3,2	60 714 312
1/LED4400-840	3,2	60 714 318
2/LED4300-830	5,0	60 714 315
2/LED4400-840	5,0	60 714 321
<b>LED spotlight with CLIX technology (TECTON GP), mounting height 4.0 m</b> <i>electronic</i>		
1/LED4400-830	3,2	60 714 313
1/LED4500-840	3,2	60 714 319
2/LED4400-830	5,0	60 714 316
2/LED4500-840	5,0	60 714 322



## TECTON sensors

### TECTON motion sensor



- Infrared motion detector for warehouses and industrial facilities
- Passive infrared sensor for mounting heights up to 16 m
- No need to set addresses or configure before use
- Field of view can be limited with detachable cover segments
- Cannot be connected to bus systems
- PST TEC-GP:
- For use of the Tridonic corridor-FUNCTION or comparable functionality
- The dedicated TECTON PST RC remote control is always required for controlling one or more motion detectors
- TECTON PST DIMLITE:
- TECTON PST DIMLITE single: PST sensor with integral DIMLITE single for controlling up to 25 DALI/DSI electronic ballasts
- TECTON PST DIMLITE sensor: slave - sensor for PST DIMLITE single for extending detection range
- 100% light when person detected in room. When room is unoccupied, light fades slowly (60 sec.) to 10% light level
- To enlarge the detection range, several sensors can be used in one continuous-lighting row

#### Accessory

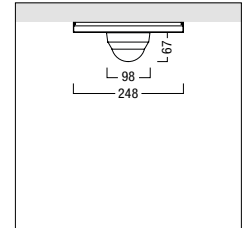
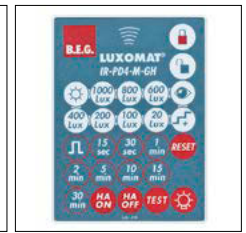
PST remote control 22 169 184

#### Motion detector

PST DIMLITE SENSOR TEC-GP 22 169 251

PST DIMLITE SINGLE TEC-GP 22 169 250

PST TEC-GP 22 169 248



### TECTON occupancy sensor



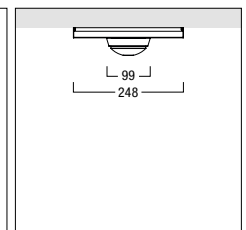
- Multipurpose sensor for detecting person in room and as receiver for IRTOUCH infrared remote control
- Sensor is intended for use in the DALI-based LITECOM, LUXMATE DIMLITE, PROFESSIONAL and LITENET system. Not designed for use in other systems.
- Can be used with the IRTOUCH infrared remote control (22 154 450)

#### Accessory

ED-SENS TEC-GP

Order no.

22 169 252



### TECTON daylight sensor



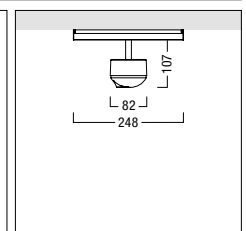
- DALI light sensor (mounted in trunking) for detecting the daylight entering the room
- Light sensor can only be used in combination with suitable LUXMATE control modules

#### Accessory

ED-EYE TEC-GP

Order no.

22 169 253



## TECTON accessories

### TECTON cable duct white/silver

- Cable duct for running cables on rear
- 4 side pieces (length: 1500 mm) made of roll-formed sheet steel, painted with white or silver polyester resin enamel
- 5 plastic cable-duct brackets made of polycarbonate
- Aluminium end caps in white powder-coated finish; fixing screws included
- Fixed using "CLIX" mechanism

#### Cable duct

	L/W/H	kg	Order no.
TECTON KK AL 3000 SET SR	3000/62/47	2,0	22 168 735
TECTON KK AL 3000 SET WH	3000/62/47	2,0	22 168 734

#### End caps

TECTON KK ENDCAP SR			22 168 731
TECTON KK ENDCAP WH			22 168 730

Please order TECTON T-AK 1476 cover strips and TECTON KK ENDCAP separately.



### TECTON plastic cover strip, white/silver

- Plastic cover strips made of polypropylene (white) or PVC (silver)
- Length adapted to spacing between continuous row luminaires (35/49/80 W at 50% fitted)
- Can be individually cut to length by customer
- Metal cover strips available on request in lengths of 28/54 or 35/49/80 for oil-laden atmospheres

#### Cover strip, white

	L/W/H	Order no.
TECTON T-AK 1476	1476/47/1	22 128 113

#### Cover strip, silver

TECTON T-AK 1476	1476/47/1	22 065 874
------------------	-----------	------------

650°C



### TECTON Socket element

- Made of roll-formed sheet steel, in white polyester lacquer finish
- Phase selection
- Fixed using easy-to-use turnbuckles
- With surface-mounted (safety) socket/recessed (SEV) socket and fuse (6.3 A), externally accessible
- Includes end caps

#### Socket module

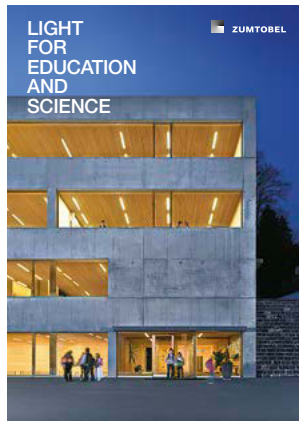
	kg	Order no.
TECTON C GS	0,3	22 169 254



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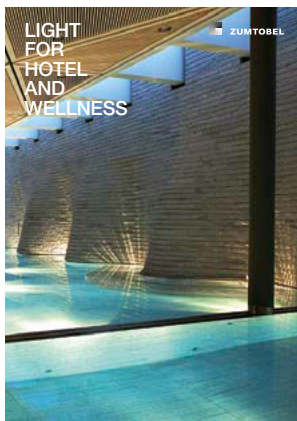
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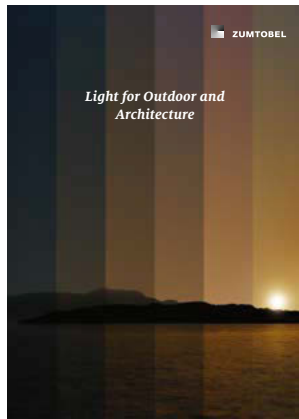
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- *Living*

We provide unique customer benefits by integrating technology, design, emotion and energy efficiency. We combine the best possible ergonomic lighting quality for an individual's wellbeing with the responsible use of energy resources. The company's own sales organisations in twenty countries, as well as commercial agencies in fifty other countries, form an international network of experts and design partners providing professional lighting consulting, design assistance and comprehensive services.

#### **Lighting and sustainability**

In line with our corporate philosophy "We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment", Zumtobel offers energy-efficient high-quality products, while at the same time making sure that our production processes based on the considerate use of resources are environmentally compatible.

[zumtobel.com/sustainability](http://zumtobel.com/sustainability)



#### **Top quality – with a five-year guarantee.**

As a globally leading luminaire manufacturer, Zumtobel provides a five year manufacturer's guarantee on all Zumtobel branded products in accordance with the terms of guarantee at [zumtobel.com/guarantee](http://zumtobel.com/guarantee).

Order no. 04 570 629-EN 10/16 © Zumtobel Lighting GmbH  
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**United Kingdom**

ZG Lighting (UK) Limited  
Chiltern Park  
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Buckinghamshire SL9 9FG  
T +44/(0)1388 420042  
info.uk@zumtobelgroup.com  
zumtobel.co.uk

**USA and Canada**

Zumtobel Lighting Inc.  
3300 Route 9W  
Highland, NY 12528  
T +1/845/691 6262  
F +1/845/691 6289  
info.us@zumtobelgroup.com  
zumtobel.us

**Australia**

ZG Lighting Australia Pty Ltd  
43 Newton Road  
Wetherill Park NSW 2164  
T +61/1300 139 965  
info.au@zumtobelgroup.com  
zumtobel.com.au

**New Zealand**

ZG Lighting (NZ) Limited  
399 Rosebank Road  
Avondale, Auckland 1026  
T +64/9 828 7155  
F +64/9 828 7591  
info.nz@zumtobelgroup.com  
zumtobel.co.nz

**China**

Thorn Lighting (Guangzhou) Limited  
12A Lian Yun Road  
Eastern Section,  
GETDD, Guangzhou  
510530, P.R. China  
T +86/(20)2232 6000  
Sales Hotline: 4008080195  
info.cn@zumtobelgroup.com  
zumtobel.cn

**Hong Kong**

ZG Lighting Hong Kong Ltd  
Unit 503 – 508, 5/F, Building 16W,  
Phase 3, Hong Kong Science Park,  
New Territories, Hong Kong  
T +852/(0)2578 4303  
F +852/(0)2887 0247  
info.hk@zumtobelgroup.com

**India**

Thorn Lighting India Pvt Ltd  
No. 43, Chamiers Road  
Raja Annamalaipuram,  
Chennai 600028,  
Tamilnadu, India  
T +91/(44) 2435 7588  
F +91/(44) 2435 8744  
info.in@zumtobelgroup.com

**Singapore**

Thorn Lighting (Singapore) Pte Ltd  
158 Kallang Way # 06-01/02  
Singapore 349245  
T +65/6844 5800  
F +65/6745 7707  
info.sg@zumtobelgroup.com

**United Arab Emirates**

Zumtobel Lighting GmbH  
4B Street, Al Quoz Industrial Area  
Dubai, United Arab Emirates  
T +971/4 3404646  
info.ae@zumtobelgroup.com  
zumtobel.ae

**Romania**

Zumtobel Lighting Romania SRL  
Radu Greceanu Street, no. 2,  
Ground Floor, sector 1  
012225 Bucharest  
T +40 31225 3801  
F +40 31225 3804  
info.ro@zumtobelgroup.com  
zumtobel.com

**Hungary**

ZG Lighting Hungary Kft.  
Váci út 49  
1134 Budapest  
T +36/(1) 450 2490  
F +36/(1) 350 0829  
info.hu@zumtobelgroup.com  
zumtobel.hu

**Croatia**

ZG Lighting d.o.o.  
Ulica Petra Hektorovića 2  
10000 Zagreb  
T +385/(1) 64 04 080  
F +385/(1) 64 04 090  
info.hr@zumtobelgroup.com

**Bosnia and Herzegovina**

ZG Lighting d.o.o.  
Predstavništvo u BiH  
Zmaja od Bosne 7  
71000 Sarajevo  
T +387 33 590 463  
info.ba@zumtobelgroup.com

**Serbia**

ZG Lighting d.o.o.  
Beton hala – Karadordeva 2-4  
11000 Belgrade  
M+381 69 5444802  
info.rs@zumtobelgroup.com

**Czech Republic**

ZG Lighting Czech Republic s.r.o.  
Jankovcova 2  
Praha 7  
170 00 Praha  
T +420 266 782 200  
F +420 266 782 201  
info.cz@zumtobelgroup.com  
zumtobel.cz

**Slovak Republic**

ZG Lighting Slovakia s.r.o.  
Tomášikova 64  
831 04 Bratislava  
T +421 2 2030 0044  
info.sk@zumtobelgroup.com  
zumtobel.sk

**Poland**

ZG Lighting Polska Sp. z o.o.  
Wołoska 9a  
Platinum Business Park III  
02-583 Warszawa  
T +48 22 856 74 31  
info.pl@zumtobelgroup.com  
zumtobel.pl

**Slovenia**

ZG Lighting d.o.o.  
Štukljeva cesta 46  
1000 Ljubljana  
T +386/(1) 5609 820  
F +386/(1) 5609 866  
info.si@zumtobelgroup.com  
zumtobel.si

**Russia**

Zumtobel Lighting GmbH  
Official Representative Office  
Skakovaya Str. 17  
Bld. No 1, Office 1104  
125040 Moscow  
T +7/(495) 945 3633  
F +7/(495) 945 1694  
info.ru@zumtobelgroup.com  
zumtobel.ru

**Norway**

Zumtobel  
Bygdøy allé 4  
0257 Oslo  
T +47 22 54 72 00  
info.no@zumtobelgroup.com  
zumtobel.no

**Sweden**

Zumtobel  
Hyllie Boulevard 10b  
215 32 Malmö  
T +46 649 2000  
info.se@zumtobel.group.com  
zumtobel.se

**Denmark**

Zumtobel  
Stamholmen 155, 5. sal  
2650 Hvidovre  
T +45 35 43 70 00  
info.dk@zumtobelgroup.com  
zumtobel.dk

**Headquarters**

Zumtobel Lighting GmbH  
Schweizer Strasse 30  
Postfach 72  
6851 Dornbirn, AUSTRIA  
T +43/(0)572/390-0  
info@zumtobel.info

**zumtobel.com**



