Emergency lighting portfolio
Emergency lighting is more than just a legal requirement. Providing reliable assistance in the event of an emergency demonstrates a clear sense of responsibility – towards employees, property and the environment. And in everyday life, discreet design and creative integration guarantee lighting that is pleasing to the eye.
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Design
Discretion meets sophisticated technology

Consistently clear. Fantastically unobtrusive. Optimising the design of safety and escape sign luminaires means integrating fully reliable technology as discreetly as possible into the architecture. At Zumtobel, designs are therefore reduced to what is technically feasible and ranges are consistently optimised – through the development of new and the optimisation of existing LED lens and light guidance systems.
“This concealment makes the escape route signs even less obtrusive. Wherever luminaires appear in a room as objects, particular attention has been paid to minimalism and the perfection of details and their material presence.”

Harald Gründl, EOOS Design
Quality
Rigorously tested and internationally certified

Zumtobel safety and escape sign luminaires are manufactured at the company headquarters – with a remarkable finish: before the “Made in Austria” luminaires leave the factory, each one is individually tested and sealed with a special label. The Zumtobel test laboratories are also located at the Dornbirn site, which is where the luminaires undergo intensive testing during the development process. Alongside ingress protection (IP) tests in the water and dust laboratory, IK tests and tests in our heat and cold chambers, Zumtobel also carries out extensive EMC and light measurements.

From the individual part to the finished solution, every luminaire passes through several inspection stations – covering everything from checks with the human eye to a fully automated final inspection.

Manufacturing in-house ensures the highest levels of precision and makes it possible to meet specific customer requirements.

Internationally certified
Certificates are the official seal for outstanding quality. Zumtobel works closely with authorities and certification bodies on the extensive tests necessary to obtain these approvals. For example, all of Zumtobel’s emergency luminaires are ENEC certified, which means that they conform to European safety standards. Unlike the CE mark, the ENEC mark is issued by an independently accredited inspection body and therefore provides clear proof of the product quality.
Service
The simplest way to an optimal solution

The range of Zumtobel services and programmes is continually being expanded to help customers achieve their goals quickly and easily. Experts advise and support customers through every stage of the project – from tendering and acquisition to the realisation of the construction phase. Zumtobel maintains direct contact with its customers and helps them on site when necessary. This is made possible by our own worldwide network of sales and service locations.

**Tendering and project design**
User-friendly apps help you find the perfect emergency lighting in just a few easy steps. In addition, Zumtobel sales representatives are available to answer any questions.

**Installation**
Zumtobel products are designed to be installed with as few tools and in as little time as possible. The operating instructions take you step by step through the installation, configuration and full commissioning of a solution. Zumtobel safety and escape sign luminaires are ready for operation in just a few simple steps.

**QR code**
Zumtobel luminaires come with a handy QR code on the packaging. This links directly to the online data sheets, installation instructions, certificates and other information.
Commissioning by Zumtobel
In the case of group and central battery systems such as ONLITE central eBox or CPS, correct commissioning is extremely important. Zumtobel service engineers or special commissioning partners therefore provide full support with all their specialist knowledge. We use a global network of partners who regularly undergo training at our headquarters in Dornbirn.

Maintenance
After the commissioning stage, Zumtobel will also look after the regular maintenance of the emergency lighting system on request, helping to guarantee constant availability and operational safety. This also means that the lighting system can be continually adapted to new circumstances in the building, such as extensions or revised layouts.

zumtobel.com/service

Guarantee and spare parts
The 5-year guarantee covers the entire Zumtobel product portfolio, including light-emitting diodes and control gears. Only consumable parts such as emergency lighting batteries are excluded. Batteries and control gears are available as spare parts for the entire product range.

zumtobel.com/guarantee
Application areas
Application areas

“I’m a huge fan of goal-oriented lighting solutions. Zumtobel has provided exactly these and impressed us in three key areas. The first one is the excellent value of the products. The second is their ease of operation, as they are really intuitive to use - even without any existing technical knowledge. And when you factor in a great relationship with your contact person, you have an all-round perfect project.”

Christian Hagen, Technical Director, German Football Museum
Art and culture

Stylish solutions in emergency lighting are created by an innovative interplay of lighting technology and design. Internationally renowned designers such as EOOS have been working on the product portfolio for many years. EOOS teamed up with Zumtobel to create PURESIGN, which has won an iF design award. The frame, which is only 200 mm wide, appears extremely delicate. The various members of the RESCLITE PRO family of recessed luminaires are true champions when it comes to unobtrusive integration into architecture. With a diameter of 85 mm – or just 50 mm in the case of the mini variants – the luminaires are extremely small and, thanks to their impressive performance, only required in small numbers.

Art and culture applications place huge importance on lighting scenes. Lighting systems offering customised brightness levels and variable colour temperatures are therefore very popular. The ONLITE central eBox and CPS central battery systems can be perfectly integrated into LITECOM, a lighting control system that is ideal for this purpose.
Offices and communication

A pleasant environment creates a good impression for both customers and employees. Made of precious aluminium, the PURESIGN and COMSIGN escape sign luminaires feature a discreet design that helps them blend perfectly into modern office interiors. There is an economic aspect as well: High quality materials are not only visually attractive, but also durable. A recognition range of 30 metres makes both solutions ideal escape-route luminaires for corridors with standard dimensions. We recommend RESCLITE PRO antipanic for wide-area emergency lighting in office areas, with spacings of up to 22 metres between fittings.

The central monitoring of smaller, locally supplied buildings is taken care of by LITECOM, emCON or the SB 128 controller. Medium-sized and large buildings are centrally supplied and automatically checked via the eBox solution. Both systems can be configured and commissioned quickly and easily.
Education and science

Schools, universities and libraries often cover large areas. Spacious buildings or rows of buildings form medium-sized to large complexes with various different rooms and circulation areas. As a cost-efficient yet effective group and central battery system, eBox ensures a high level of safety. For example, central monitoring helps quickly identify faulty luminaires.

Escape routes and doors have to be marked and illuminated properly. The introduction of a range with an ERI spot now means that a single luminaire can fulfil both of these functions. The rotating LED spots flexibly adjust to suit a variety of spatial requirements. The RESCLITE PRO escape wall has rapidly gained a reputation as an optimal solution for stairwells. Luminaires in sports halls are protected with a ball-proof grill – unless a specification includes the IP65-protected RESCLITE PRO surface-mounted luminaire, which is already ball-proof.

Reykjavik University | IS
Architecture: Henning Larsen Architects, Copenhagen | DK
ARKIS Architects, Reykjavik | IS
Lighting design: VERKIS, Reykjavik | IS
Electrical installation: Rafmiolum hf, Reykjavik | IS
Presentation and retail

Emergency lighting in areas used by the public has to comply with a large number of regulations and standards. At the same time, many shop owners are committed to sustainable operation. Zumtobel is a pioneer when it comes to environmentally friendly raw materials, modular design, sustainable production processes and energy-saving logistics. Our luminaires also feature low energy consumption, durable and low-maintenance LED technology, as well as an electronic system optimised for emergency lighting.

Many retail areas are fitted with a TECTON continuous-row system to ensure excellent adaptability. Safety luminaires with adapters can be quickly and flexibly integrated into the solution. Alongside the PURESIGN, CROSSIGN and ECOSIGN escape sign luminaires, the RESCLITE PRO family is offered with a full range of optics and power-supply variants for installation on TECTON. ONLITE local provides a self-contained solution for each store, enabling a cost-effective way of configuring and monitoring separate battery luminaires.

Recommended products

- ARTSIGN
- COMSIGN
- PURESIGN
- RESCLITE PRO escape
- ONLITE local
Hotel edita, Scheidegg | DE
Main contractor: Edith and Alois Berger
Architecture: Creaplan Metzler GmbH, Blaichach | DE
Electrical planner: Auerhammer und Weiland Ingenieurbüro VDI (engineering office), Friedrichshafen | DE
Electrical installer: Minck Elektro- und Fernmeldetechnik GmbH (electrical and telecommunications), Marktoberdorf | DE

Hotel and wellness

Unobtrusive in everyday life, safe in an emergency – superior design and high-quality materials ensure a perfect solution every time. Just one of many examples: The COMSIGN escape sign luminaire with transparent acrylic glass and cord suspension seems to simply float in the air.

Another factor is the number of fittings required. Luminaires with ERI spots are safety luminaires and escape sign solutions in one single product. PURESIGN 150, CROSSIGN 110 and 160 illuminate escape routes for up to 13 metres - and therefore make it possible to replace separate safety luminaires in these areas. Both light cones can be adapted to the room situation by simply rotating the patented lenses.

Recommended products

- COMSIGN
- PURESIGN
- ERGOSIGN
- RESCLITE PRO
- ONLITE central eBox
- ONLITE central CPS
Health and care

People need more light as they grow older—a fact that also places higher demands on escape sign luminaires. To guarantee optimal visibility and orientation, Zumtobel relies on standards that significantly exceed the European standard. The luminance according to DIN 4844 in mains operation is 200 cd/m² on average and 500 cd/m² in the white light spectrum—and is therefore a hundred times higher than stipulated under EN 1838. Zumtobel offers a wide range of products for a large variety of zones and areas: design-oriented luminaires for foyers and entrance areas, surface-mounted escape sign luminaires for installation above doors, as required in sanitary areas, along with wide-area luminaires to perfectly illuminate long corridors and rooms for elderly people.

ONLITE central battery systems and the LITECOM lighting control system are the products of choice for large applications. Thanks to the combination of a central monitoring unit and a central battery system, maintenance efforts are reduced to an absolute minimum.
Industry and engineering

Harsh environmental conditions are often part of daily life in industrial applications. A complete IP65-protected lighting installation is created if RESCLITE PRO and ECOSIGN luminaires are integrated into the TRINOS continuous-row system. Protected against dust and water, premium LED technology ensures strong durability and resistance against vibrations. For extensive factory floors, where emergency signs have to be visible from long distances, escape sign luminaires with a recognition range of 60 metres according to the EN 1838 Standard are available. Halls with heights of up to 30-metre-high can be efficiently illuminated using RESCLITE PRO HC (high ceilings).

Central systems are recommended for monitoring and supply. They protect batteries against the high temperatures in industrial areas and minimise maintenance requirements.

Recommended products

- RESCLITE PRO
- RESCLITE PRO TRINOS
- ECOSIGN TRINOS
- ONLITE central eBox
RESCLITE PRO – guides your way
Emergency luminaires

RESCLITE PRO – guides your way
powerful programmable pro

RESCLITE PRO guides people in an emergency safer and smarter than ever before. Thanks to innovative optics, this small powerhouse meets all the requirements of emergency lighting, combining minimalist design with the highest technical standards.
Illuminating escape routes

RESCLITE PRO escape

People should be evacuated from a building as quickly and as safely as possible in the event of an emergency. Perfect illumination of escape routes is therefore vital. RESCLITE PRO escape covers long corridors with few light points and even illuminate high rooms with ceilings of up to 27 metres (escape HC). If required, innovative optics enable the latest generation to guide the light around the corner (escape 90°) or from the wall to the floor (escape wall).
escape 90°
The innovative 90-degree optics direct the light around the corner. As a result, a single luminaire is enough to illuminate two corridors at right angles. The escape 90° solution is ideal for shops and retail projects where side and shelf aisles have to be illuminated simultaneously. The number of luminaires can be reduced even further with the high-performance variant.

escape
Thanks to the unique lens technology, very long escape routes can be illuminated with just a few light points. At the same time, the new type of crystal-clear lenses removes the need for escape-route luminaires with disturbing reflectors. Luminaire spacing of up to 38 m can be achieved with the high-performance version.

escape wall
The hardly visible recessed wall luminaire is ideal for the discreet illumination of escape routes in stairwells or high-ceiling rooms. A small optional frame can be used to create a square version from the round recessed luminaire. In addition to the IP65-protected luminaire for more demanding surroundings, there is also an aesthetically pleasing surface-mounted version with an IP40 protection class.

escape high ceilings (HC)
Areas with high ceilings, such as shelf aisles in logistics, are ideally prepared for an emergency with the escape-route luminaire. Thanks to state-of-the-art lens technology, installation heights of up to 27 m are perfectly covered - with a surface-mounted luminaire or modules that can be easily clicked into the TECTON or TRINOS continuous-row systems.

per cone of light up to
8.7 m
> 1 Lux

up to
38 m
> 1 Lux

up to
17 m
> 1 Lux

up to
23 m
> 1 Lux
Avoiding panic
RESCLITE PRO antipanic

Flat illumination provides orientation in the room and helps minimise panic. Thanks to the rectangular light distribution of RESCLITE PRO antipanic, lighting design is child's play and the room is perfectly lit - right into the corners. The high-performance version (HP) supports higher illuminance levels or wider spacings between two luminaires, enabling large areas to be illuminated with a small number of luminaires.
Emergency Luminaires

The square light distribution directs light into every corner. This simplifies planning and illuminates rooms perfectly. With the high-performance variants (HP), higher illuminance levels can be achieved or the distances between luminaires can be extended further. As a result, even large areas require just a few light points.

antipanic high ceilings (HC)
RESCLITE PRO manages to illuminate large rooms over a wide area - even from heights of up to 34 m. Industrial halls or shopping centres equipped with the anti-panic light for high rooms are therefore well prepared to offer the greatest possible level of security in the event of a power failure.

up to
22 m²
> 0,5 Lux

up to
20 m
> 0,5 Lux
First-aid boxes, fire extinguishers and alarm stations require special attention. All safety-critical objects in a building must be illuminated with at least 5 lux in accordance with EN 1838 - vertically measured on the wall. RESCLITE PRO spot meets this requirement with advanced lens technology that cleverly incorporates a wall-washer function. Compared to a conventional downwards-emitting emergency luminaire, this solution can achieve up to three times higher illuminance levels on a specific object.
Emergency luminaires

**spot**
A powerful, asymmetrically radiating lens directs the view to the life-saving objects like a fire extinguisher or defibrillator in an emergency from a mounting height of up to 6.5 m. Thanks to the rotatable light heads, emergency luminaires integrated into TECTON and TRINOS rails can also be precisely aligned.

**Illuminance**

- **up to 6.5 m mounting height**
  - 5 lux directly on the object
Recessed luminaires
Low-key design for ceilings and walls

**Recessed mini**
An extremely miniaturised form helps the new mini variant practically disappear into the ceiling. The luminaire can therefore be seamlessly integrated into even the most demanding architectural projects - while still offering maximum safety. With an outer diameter of only 50 mm, the inconspicuous ring encloses a powerful LED module that uses unobtrusive lenses for various emergency lighting tasks.

**Diameter 50 mm**
Ceiling cut-out 40 mm

**Recessed**
With a diameter of 85 mm, RESCLITE PRO is designed for a standard ceiling cut-out of 68 mm. For the ceiling height, 100 mm is already sufficient. Thanks to the flexibly mounted battery pack, the fitting can be pushed easily up into a false ceiling. And the wiring is just as simple, as the terminal allows through-wiring for up to five wires with a diameter of 2.5 mm².

**Diameter 85 mm**
Ceiling cut-out 68 mm

The simple click-on frame gives the round recessed luminaires a square shape that particularly suits the wall-mounted variant.

**IP40**
**Ball-proof**
about myResclite

**IP40**
**Ball-proof**
about myResclite
Surface-mounted luminaires
Simple mounting and perfect protection

RESCLITE PRO IP40
Surface-mounted versions of RESCLITE PRO can be mounted on the ceiling just as easily as on the wall. Once the base plate is screwed on, the die-cast aluminium lid is simply clicked on - without the need for any tools. The wiring can be inserted from the back or from the side of the fitting. The lens escape wall even makes it possible to achieve the perfect illumination of staircases with an attractive appearance.

Outside dimensions 146 x 146 x 35 mm
Outside dimensions of the HP variants E1D, E3D 146 x 146 x 48 mm

RESCLITE PRO IP65
This IP65-protected safety luminaire is optimally protected against dust and water. A special valve also prevents the formation of condensation. This makes RESCLITE PRO suitable for the most demanding surroundings, like those found in industry. In addition, flexible wiring from the back or side of the solution supports easy installation.

Outside dimensions 200 x 145 x 64 mm

IP40 Ball-proof about myResclite
IP65 Ball-proof as standard
Continuous-row luminaires

Perfect integration into the TECTON and TRINOS trunking systems

**TECTON**
Thanks to a handy side lever, RESCLITE PRO can be integrated into the TECTON rail in just a few seconds and without any tools. The light points thereby form an optical unit with the trunking. Simple rotation enables flexible alignment of the light heads, so even transverse escape routes or laterally arranged objects can be illuminated in a targeted manner in a few simple steps.

Length 500 mm with single battery supply
Length 250 mm for centrally supplied luminaires

**TRINOS**
RESCLITE PRO and the TRINOS IP65 protected continuous-row system form a hardy and versatile partnership for industrial applications. Safety luminaires are available in all supply variants with a single battery and for central batteries, as well as with a range of optics: antipanic, spot, escape high ceilings and antipanic high ceilings.

Length 1000 mm with single battery supply
Length 500 mm for centrally supplied luminaires
RESCLITE PROtect
Extremely robust and reliable

**Surface-mounted luminaire (wall)**
The escape route ends at the outside assembly point – not at the outer door. That is why RESCLITE PROtect reliably illuminates the path in the outdoor area according to the relevant standards. With a highly robust, IP65-protected aluminium housing and a heated battery, even the self-contained version can withstand temperatures as low as -20 °C. Optics such as escape wall, escape beam and anti-panic enable this wall-mounted luminaire to consistently offer the right solution.

Dimensions 190 x 190 x 115 mm

**Surface-mounted luminaire (ceiling)**
RESCLITE PROtect is ideal for demanding industrial applications – even when central power-supply temperatures are as low as -30 °C. Thanks to battery heating, a self-contained luminaire can withstand temperatures as low as -20 °C, while an IP65 valve prevents any condensation forming inside the housing. With its escape, anti-panic and anti-panic high ceilings optics, the ceiling luminaire offers the range of light distributions needed to perfectly meet the safety requirements of every building.

Dimensions 190 x 190 x 56 mm
Technology and innovation

1 Communication interfaces
Single battery for SB128 and LITECOM systems: DALI communication with 1 hour (E1D), 3 hours (E3D) or 8 hours (E8D) of emergency power supply

For eBox and CPS central battery systems: DALI (ECD), Powerline (ECP) and circuit monitoring (ECC)

2 PROset technology
Innovative interface based on NFC (Near Field Communication) technology for contactless addressing, configuration and maintenance of the luminaires with PROset Pen or PROset app. See page 78 for details

3 LED module
Luminous flux: 2 LEDs deliver up to 480 lumens from the luminaire (HP version)
Lifespan: 50,000 hours L90
Colour temperature: 4000 K

4 Status LED (green/red)
Display of test results: automatic weekly functional and annual durability tests

5 Heat sink
Dedicated components enable optimum heat dissipation

6 Battery
Batteries of the highest quality and service life: Environmentally friendly nickel-metal hydride (NiMh) or lithium-ion (LiIon) batteries

7 Die-cast aluminium housing
Stable, elegant housing with optimal heat management
Emergency luminaires

Added value through RESCLITE PRO

A high number of light points is required if the emergency lighting is implemented via the general lighting. RESCLITE PRO covers all tasks with significantly fewer luminaires. For this purpose, RESCLITE PRO combines emergency-light-emitting radiance features with high illuminance and high light quality. A smaller number of luminaires means enormously reduced effort on all levels. This makes planning, installation and commissioning much quicker and easier, while maintenance requirements are also minimised. RESCLITE PRO impresses in operation with reduced battery capacity and energy-efficient LED spots that require less than 5 watts of power, helping to cut costs even further.

RESCLITE PRO app

The RESCLITE PRO app makes emergency lighting planning a breeze: After only 3 clicks, the chosen mounting distances between two luminaires and those for the wall are displayed for the chosen mounting height. An article number is displayed automatically and linked directly to the data sheet for further information. The app is available as a homepage for laptops or as a dedicated smartphone app (iOS and Android).

resclitewebapp.zumtobel.com

Planning example

A solution with RESCLITE PRO requires significantly fewer luminaires.
Security lighting with high design standards

RESCLITE PRO combines performance with minimalist design. With a choice of white, silver or black finishes, the installed fitting is barely visible - especially when it comes to the new mini version. Even the escape lens now works without a reflector. Inspired by the design flexibility of the TECTON and TRINOS continuous-row lighting systems, RESCLITE PRO offers rotatable light heads that can be aligned individually, ensuring perfect integration.

Optics for all cases

Equipped with special lens technology developed by Zumtobel experts, RESCLITE PRO is ready for every requirement and every room type. Escape routes are illuminated both in a straight line and perfectly around corners. The square light distribution of the anti-panic lighting spreads the light evenly in corners, while RESCLITE PRO spot with a wallwasher function precisely highlights essential areas and objects.

Luminaire variety with convenient installation

The RESCLITE PRO range has the right solution for every room situation – from recessed and surface-mounted luminaires for ceilings and walls to miniaturised and IP-protected versions, right through to dedicated luminaires for continuous-row systems. In addition, RESCLITE PRO always impresses with simple assembly that can mostly be completed without tools.

Intelligent technology in the name of safety

Innovative PROset technology enables non-contact addressing, configuration and maintenance of emergency lighting. This means that each luminaire can be programmed via the PROset Pen or with the PROset app via a smartphone.
Emergency sign luminaires

Museo del Novecento, Milan | IT
Architecture: Studio Italo Rota & Partners, Milan | IT
Electrical design: Cooperativa Cellini Impianti Tecnologici, Prato | IT
Light is innovation
Safety meets efficiency and design

Rotatable lens
The ERI (Escape Route Illumination) spot is an energy-efficient LED spot on the underside of escape-sign luminaires. Combined with a patented lens, this solution focuses the light into powerful light cones. Simply rotating the lens enables the light to be manually adapted to suit the building situation in 90° increments. The light cones can therefore be aligned with the course of the escape routes and adapted for particular architectural conditions, guaranteeing optimal illumination of the escape route.

This animation shows how escape signs and the ERI spot complement each other – for perfectly and evenly illuminated and marked escape routes. Watch the animation at: youtube.com/zumtobel
Light distribution
The precise blend of LED lamps, lenses and pictogram creates luminaires that ensure safety in an emergency and deliver a pleasing visual appearance - thanks to their slim design and strong uniformity. The LED is a pinpoint light source that nevertheless perfectly and uniformly illuminates the Zumtobel escape signs. Special optics make sure that the light is distributed efficiently and evenly.

Luminance
An average luminance of 2 cd/m² is enough to mark escape routes according to the relevant standards in most European countries. Only in Germany is a luminance of 200 cd/m² or 500 cd/m² in the white light spectrum required in mains operation. Zumtobel offers this luminance level increased by a factor of 100 for all emergency sign luminaires to provide maximum safety.
ARTSIGN
A design sensation in its own right

ARTSIGN is the smallest escape sign luminaire in the Zumtobel portfolio. With a recognition range of 15 m, it is roughly the size of a postcard and blends harmoniously into any room. LED technology supports reliable operation over a long lifetime with absolutely no maintenance. Innovative engineering enables illumination of the escape sign at a standard-compliant luminance of 500 cd/m² in the white light spectrum.

Pictogram dimensions: 150 x 85 x 13 mm (recessed into the ceiling)
153 x 80 mm (recessed into the wall)
Emergency light luminaires

Fachhochschule Vorarlberg (technical college), Dornbirn | AT
Architecture: Walser + Werle Architektur ZT GmbH, Feldkirch | AT
Electrical design: Technisches Büro Helmut Hieber, Hörbranz | AT
COMSIGN is simply perfect – in many ways. The transparent acrylic glass lets the luminaire float in the room, while a surface-mounted element in high-quality aluminium rounds off the delicate design. Aesthetic and functional aspects are perfectly incorporated into the gently curving wedge design. With luminance levels of more than 500 cd/m², COMSIGN achieves a high level of uniformity and a far higher luminance level than required. Combined with the qualities of an innovative LED luminaire – extra-long service life at constant light output – this emergency sign luminaire also delivers the added benefit of low operating costs.

Pictogram dimensions: 300 x 172 x 15.5 mm
Emergency signage luminaires

Volksbank, Eutin | DE
Architecture: Architektbüro Bernstedt, Eutin | DE
Lighting solution partner: Bäcker Elektrobau GmbH, Ahrensbück | DE
Innovative acrylic glass wedge
The transparent acrylic glass panels of COMSIGN work both as pictograms and optics. Light is uniformly distributed across the wedge-shaped unit to illuminate the way to safety. Lightweight and extremely easy to install on walls, ceilings and cords, the transparent acrylic glass consistently shows off its best side. When a suspended solution is required, the pendant version of this elegant escape sign luminaire seems to simply float in the room.

1 Perfect light distribution
The wedge-shaped acrylic glass panel serves as light distributor and pictogram in one element, as the curved form distributes the light from the LED strip uniformly across the complete pictogram.

2 Elegant product design
The slender lighting wedge of the COMSIGN is fixed to a slimline surface-mounting box made from high-quality aluminium. Suspended via cords from the ceiling, the emergency sign luminaire appears to float freely in the room thanks to its minimalist design.

3 Efficient and durable
Subdivided into 4 segments with 6 diodes in each section, 24 LEDs illuminate the COMSIGN lighting wedge from above.

4 Good protection as standard
COMSIGN is available with IP42 protection for optimum resistance against dust and drip water at an inclination of up to 15°. The luminaire is thereby suitable for a wide variety of applications, even in difficult ambient conditions.
COMSIGN cord suspension
Zumtobel has collaborated with the renowned EOOS design studio to develop emergency sign luminaires that fuse clear functionality with an elegant design - a look so sophisticated that PURESIGN won the iF Design Award 2013. Boasting a width of just 20 mm, this slimline luminaire is strikingly elegant, even in the duplex version. Moving from the outside to the inside, state-of-the-art LED lighting technology provides perfect and extremely uniform backlighting of the pictogram. Rotating ERI spots on the underside mean that PURESIGN emergency luminaires can be specifically adjusted to fulfil the particular requirements of every building.

Pictogram dimensions: 310 x 160 x 20 mm
Göldipartnerarchitekten (architects) AG, Altstätten | CH
Architecture: Projekt AG, Heerbrugg | CH
Electrical design: Projekt AG, Heerbrugg | CH

Emergency lighting luminaires
Innovative light guide panel
The light distribution of the PURESIGN solution is shaped by a light guidance panel. Special laser engraving distributes the light uniformly across the complete luminaire to achieve perfectly illuminated pictograms. Stringent use of materials and an environmentally friendly powder-coating process characterise the start of the sustainable lifecycle of this luminaire, while significantly reduced energy consumption rounds off the comprehensive savings programme. Alongside outstanding sustainability, the range of applications has also considerably increased.

1 Well supplied in emergencies
Produced without heavy metals, the NiMh battery is exceedingly environmentally friendly. PURESIGN models are available with backup times of one hour (E1D) or three hours (E3D). The battery is recharged after 10 hours (2 Ah) or 15 hours (4 Ah).

2 Perfectly illuminated
Specially developed for the PURESIGN 150, an optimised laser structure equips the light guide panel with special capabilities. As a result, flawlessly uniform illumination is combined with improved energy efficiency.

3 Sustainable product design
Digital printing and environmentally friendly powder coating for the high-quality aluminium frame bear testament to a manufacturing process that protects resources. The rugged aluminium frame not only protects the luminaire but also gives it a sophisticated appearance.

4 Efficient and durable
Subdivided into 4 segments with 6 diodes in each section, 24 LEDs illuminate the PURESIGN from below.

5 Well thought out
Thanks to PROset technology, the luminaire can be addressed and configured contactlessly and in a matter of seconds. Simply attach a PROset Pen or the PROset app to the control gear and the luminaire is configured. The control unit also features a unique maintenance function that compensates for age-related reduction in the lumen output of the LEDs over their service life. See further details on page 78.

6 Dual function
The ERI (Escape Route Illumination) spot is an energy-efficient LED spot with a patented lens. The two spots provide part of the emergency lighting, which enables a reduction in the overall number of emergency luminaires. See further details on page 46.

7 Good protection as standard
PURESIGN is available with IP42 protection. The luminaire is therefore optimally protected against dust and drip water at inclinations up to 15°. This makes the solution suitable for a wide variety of applications, even in difficult ambient conditions.
PURESIGN wall-recessed

Emergency lighting luminaires
Equipped with the latest LED technology, the CROSSIGN all-rounder is fully prepared for a highly efficient future. The specially developed PMMA lens distributes the light uniformly across the entire pictogram, while numerous installation options, two recognition ranges and extremely easy installation demonstrate the application-orientated versatility of this cost-effective LED solution. Two optional rotating ERI lenses on the underside of the fitting turn the emergency sign luminaire into an emergency luminaire as well.

Pictogram dimensions:
CROSSIGN 110: 232 x 175.6 x 46 mm*
CROSSIGN 160: 332 x 209.6 x 44 mm
Lidl logistics centre, Wundschuh near Graz | AT
Architecture: Mittendorfer + Dornestuber, Gmunden | AT
Lighting design: Adenbeck GebäudeTechnik, Wels | AT
Electrical installation: Licht Loidl, Lafnitz | AT
Innovative lens
A special oscillating lens guides the light from the LED string mounted at the bottom evenly upwards over the whole pictogram. Application-oriented versatility is achieved thanks to a wide range of mounting and supply options, unrivalled ease of installation and two recognition ranges.

1 Side cable feed
In addition to the standard cable feed from above, the power supply cable can also be routed from the side. This significantly simplifies installation in many cases.

2 Tool-free installation
Pictograms are simply snapped onto the luminaire. Changing the battery is just as easy: the battery holder clicks out of the luminaire without the need for any tools.

3 Efficient and durable
Subdivided into 3 segments with 6 diodes in each section, a total of 18 LEDs illuminate the CROSSIGN 110. The CROSSIGN 160 has 24 LEDs subdivided into 4 segments, each with 6 diodes, which illuminate the emergency sign from below.

4 Uniform illumination
A special lens has been developed for CROSSIGN to achieve excellent LED light distribution and ensure both efficient and effective illumination of the pictogram. Before putting up the pictogram, the lens provides mechanical and ESD protection for the LED strip. The PPMA material used for the lens significantly reduces absorption of light compared to standard PC material.

5 Dual function
The ERI (Escape Route Illumination) spot is an energy-efficient LED spot with a patented lens. The two spots provide part of the emergency lighting, which enables a reduction in the overall number of emergency luminaires. See further details on page 46.

6 Good protection as standard
CROSSIGN is available with IP42 protection for optimum resistance against dust and drip water with an inclination of up to 15°. CROSSIGN 160 is also available with IP50 protection to withstand dust in hazardous quantities, as well as spray water from all sides. This makes CROSSIGN the perfect option for applications such as industrial bays and car parks.
CROSSIGN 160 Surface-mounted on ceiling
The all-rounder of the Zumtobel escape sign luminaire portfolio combines many different qualities in a single luminaire. Whether in industrial warehouses or car parks, a high degree of protection means that the ECOSIGN is well equipped for any application. With a recognition range of 32 m, a variety of installation options and tool-free maintenance, this solution is flexible in every way.

Pictogram dimensions: 335 x 238 x 55 mm
Müroll Papier- und Kunststoff- Verarbeitung (paper and plastic processing) GmbH, Frastanz | AT
Architecture: Atelier Raggl Bauplanungs GmbH, Röns | AT
Electrical design: Elektrizitätswerke Frastanz GmbH, Frastanz | AT
Without LED technology, this combination of small and efficient would never have been possible. Its compact design combined with increased protection of IP54, a recognition range of 16 metres, easy installation and an attractive price make ERGOSIGN a perfect all-rounder that can often be found above escape doors.

Pictogram dimensions: 201 x 87 x 61 mm
CUBESIGN
Emergency sign cube for large-scale marking of escape routes

With pictograms printed on three sides, this cube-shaped escape sign luminaire is the ideal solution for high halls and rooms. With a viewing range of 42 metres, CUBESIGN exploits the benefits of modern LED technology for a long-life and economical operation with 100% output immediately after it is switched on.

Pictogram dimensions: 250 x 250 x 250 mm
Emergency sign luminaires

EIWA AG, Buchs | CH
Architecture: Gautschi Lenzin Schenker Architekten AG, Aarau | CH
Electrical design: EIWA AG, Buchs | CH
SQUARESIGN
A giant in terms of both safety and design

Featuring tough IP54 protection, SQUARESIGN is one of the most rugged large-format emergency solutions around. The high-quality internal components are well protected against dust and moisture - which also means that cleaning and maintenance can be carried out with minimal effort. Special applications include halls, shopping centres, transit areas and underground car parks. SQUARESIGN achieves a viewing range of 60 metres with evenly distributed LEDs.

Pictogram dimensions: 310 x 310 x 90 mm
Continuous-row luminaires

TECTON and TRINOS

TECTON continuous-row system
One of the reasons for the success of this eleven-pole pre-wired continuous row is the option to integrate emergency lighting. Fitted with special adapters, the escape-sign luminaires are simply clicked into place and – no matter how the trunking is aligned – turned at right angles to the escape route.

TRINOS continuous-row system
This versatile IP65-protected continuous-row system meets the various challenges in a wide range of industrial applications. The integration of either self-contained or centrally powered escape-sign luminaires is achieved by attaching the flexible cable clipper connector and clicking it into the continuous-row lighting system.
Emergency luminaires

Stöcklin Möbel (furniture) AG, Aesch | CH
Electrical installation:
Elektro Kölb, Ettingen | CH
Versatility made easy
Select and configure the right solution from over 200 luminaires

Finding the perfect solution now quick and easy. With just a few clicks, the app takes you to the best product for the application and enables simple lighting design for the ERI spot. The app is available as a web version or as a dedicated app for iOS and Android.

signwebapp.zumtobel.com
myPRODUCT
Variant management in the online product catalogue

Selecting the right escape-sign luminaire online has never been easier. Simply access the product section, select the desired product group and open the tab (e.g. myCROSSIGN P). It only takes a few clicks to find the right luminaire.

zumtobel.com
**Emergency sign luminaires**

Product overview

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<th>MSC surface-mounted on the ceiling</th>
<th>TEC-GP continuous-row system</th>
<th>TRINOS continuous-row system</th>
<th>MRC-WF15 ceiling-recessed, cord</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTSIGN</td>
<td>IP40</td>
<td>15 m*</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>COMSIGN</td>
<td>IP42</td>
<td>30 m</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PURESIGN</td>
<td>IP42</td>
<td>30 m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CROSSIGN 110</td>
<td>IP42</td>
<td>22 m*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CROSSIGN 160</td>
<td>IP42/IP54</td>
<td>32 m</td>
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<td></td>
<td></td>
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<tr>
<td>ECOSIGN</td>
<td>IP65</td>
<td>32 m</td>
<td></td>
<td></td>
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<tr>
<td>ERGOSIGN</td>
<td>IP54</td>
<td>16 m*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUBESIGN</td>
<td>IP40</td>
<td>42 m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SQUARESIGN</td>
<td>IP54</td>
<td>60 m</td>
<td></td>
<td></td>
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* non-compliant with VKF (Switzerland)
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC-WF15</td>
<td>surface-mounted on the ceiling, cord</td>
</tr>
<tr>
<td>MRCR-WF15</td>
<td>ceiling-recessed, cord with a remote box</td>
</tr>
<tr>
<td>ROS</td>
<td>pendant suspension</td>
</tr>
<tr>
<td>MRW</td>
<td>wall-recessed</td>
</tr>
<tr>
<td>MSW</td>
<td>surface-mounted on the wall</td>
</tr>
<tr>
<td>MSW 90°</td>
<td>surface-mounted on the wall 90°</td>
</tr>
</tbody>
</table>
Emergency lighting systems
**PROset tools**

Contactless programming with the power off

PROset technology enables contactless programming using Near Field Communication (NFC). Thanks to a small antenna built into the control gear, the luminaire can be operated without being switched on. As a result, addressing, configuration and maintenance take just a few seconds.

**PROset pen**

Fast. Reliable. Extremely convenient. The PROset pen is a simple and robust tool for addressing safety and escape-sign luminaires with an NFC interface. Functions such as configuring the switching mode, maintaining the luminaire and copying configurations from one control gear to another can be completed with the help of this handy device. And thanks to a Bluetooth® interface, these functions are also available when exchanging data with a smartphone.

**PROset app**

The PROset app offers additional features alongside those supported by the PROset pen. Dimming values can be defined and a “black box” provides information about the status of the luminaire. Operating hours, number of tests and potential causes of failure like excessive temperature or excess voltage are also displayed, while there is also the possibility to obtain configurations from a database.
Marxer-Haus, Active Energy Building, Vaduz, | LIE
Architecture: falkeis2architects, Vaduz | LIE
ONLITE local
Systems with single battery and central monitoring

Self-contained emergency lighting systems have one feature in common: the battery that is integrated into every luminaire. This key component provides the fitting with power in the event of an emergency, helping to minimise panic, ensure the safe evacuation of the application and illuminate the escape route. This system is the perfect solution for smaller and medium-sized properties. Economic efficiency and high levels of safety make single battery systems with an emergency power supply of 1, 2, 3 or 8 hours a favourable option.

SB128 controller
The clue is in the name, which refers to the high number of safety and escape-sign luminaires that this tried-and-tested controller can reliably monitor: up to 128 luminaires (and even up to 256 units with a repeater). The LCD display shows the status of the entire system at a glance.

LITECOM app for emergency lighting
The modular LITECOM control system is a future-proof solution that saves space in the distribution board and saves time spent on maintenance. Together with the app, this makes configuration and maintenance of the emergency lighting easier than ever. LITECOM takes over the monitoring of the system and automatically logs the test results in the internal test book.

emCON Controller and emLINK software
Based on powerful LITECOM architecture, the emCON controller is a tailor-made solution for emergency lighting. The start screen shows an overview of the system – the perfect starting point for intuitive configuration and maintenance. Up to 192 luminaires can be monitored with the Pro emCON controller, but for larger systems we recommend the emLINK software, which connects up to 200 controllers.
Weingut J. Hofstätter (winery), Tramin | IT

Emergency lighting systems

Electrical design: Ingenieurbüro Dr. Fleischmann & Dr. Janser, Latsch | IT

Lighting solution partner: Elektro Bachmann, Tramin | IT
ONLITE central
Systems with central power supply

eBox
The ONLITE central eBox is a central battery-operated system optimised for efficient LED technology. Energy consumption and the number of necessary batteries has been reduced to a minimum. The modular design increases the number of possible output circuits and enables maximum flexibility, creating a system that perfectly adjusts the power supply in line with the requirements of the building.

Communication via DALI, Powerline or circuit monitoring.

CPS
As a modular solution, this central battery system adapts to suit both the project and the customer requirements - as and when necessary. The system communicates via DALI, a special Powerline communication (Seto09) or by circuit monitoring. Further advantages of the ONLITE central CPS include: minimum maintenance outlay, fail-safe data communication and no need for additional communication modules in the luminaires.

Communication via DALI, Seto09 Powerline or circuit monitoring.
Salewa Headquarters, Bozen | IT
Architecture: Cino Zucchi Architetti and Park Associati, Milan | IT
Electrical design: Energytech, Bozen | IT
### Product names

#### Naming logic

Composition using the following safety luminaire as an example:

**RESCLITE PRO MSC ANT HP E3D WH**

<table>
<thead>
<tr>
<th>RESCLITE</th>
<th>PRO</th>
<th>MSC</th>
<th>ANT HP</th>
<th>E3D</th>
<th>WH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product group</td>
<td>Generation</td>
<td>Installation type</td>
<td>Light distribution</td>
<td>Power supply variant</td>
<td>Colour</td>
</tr>
</tbody>
</table>

#### 1. Installation variants M

<table>
<thead>
<tr>
<th>Installation type</th>
<th>R</th>
<th>SR</th>
<th>Sxxx</th>
<th>C</th>
<th>W</th>
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<tbody>
<tr>
<td>Recessed</td>
<td>R</td>
<td>Semi-recessed</td>
<td>Surface-mounted</td>
<td>Ceiling</td>
<td>Wall</td>
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<tr>
<td>Surface installation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flexible</td>
</tr>
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<table>
<thead>
<tr>
<th>Remote box option</th>
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<th>Remote box</th>
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<table>
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<tr>
<th>Type of suspension</th>
<th>WFxx</th>
<th>Cxx</th>
<th>Rxx</th>
<th>CORDxx</th>
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<tbody>
<tr>
<td>xx length</td>
<td>Cord suspension</td>
<td>Chain</td>
<td>Pendant luminaires</td>
<td>Cord</td>
</tr>
</tbody>
</table>

**Further options**
- **BP** ball-proof
- **CCS** concrete housing
- **QC** Square cover frame
- **FCC** Ceiling frame for lateral cable entry
- **FCW** Wall frame for lateral cable entry
- **FSR** Frame for ceiling recessed

#### 2. Power supply variants E

<table>
<thead>
<tr>
<th>Duration of emergency operation/power supply variants</th>
<th>E1D</th>
<th>E3D</th>
<th>E8D</th>
<th>ECD</th>
<th>ECP</th>
<th>ECC</th>
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</thead>
<tbody>
<tr>
<td>1 hour Self-contained</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>3 hours Self-contained</td>
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<tr>
<td>8 hours Self-contained</td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Central battery</td>
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<td></td>
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<tr>
<td>230 V</td>
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<table>
<thead>
<tr>
<th>Communication</th>
<th>D</th>
<th>T</th>
<th>P</th>
<th>C</th>
<th>S</th>
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<tbody>
<tr>
<td>No communication/manual test</td>
<td></td>
<td>Auto test</td>
<td></td>
<td>Circuit monitoring</td>
<td></td>
</tr>
<tr>
<td>Auto test</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DALI (incl. auto test)</td>
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<td></td>
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<tr>
<td>Powerline</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Circuit monitoring</td>
<td></td>
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<tr>
<td>Set009 Powerline</td>
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<th>Switching mode</th>
<th>M</th>
<th>NM</th>
<th>S</th>
<th>–</th>
<th>–</th>
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<tbody>
<tr>
<td>Maintained light</td>
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<td></td>
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<tr>
<td>Non-maintained light</td>
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<tr>
<td>Both possible</td>
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<tr>
<td>Switchable via L’</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Not switchable via L’</td>
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<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**Types of power supply**
- **E1D** Single battery 1h
- **E3D** Single battery 3h
- **E8D** Single battery 8h
- **ECD** central battery DALI
- **ECP** central battery Powerline
- **ECC** central battery circuit-monitored
Composition using the following escape sign luminaire as an example:
PURESIGN 150 MRW SP-1R

<table>
<thead>
<tr>
<th>Type of pictogram</th>
<th>G</th>
<th>Escape signs attached</th>
<th>M</th>
<th>Escape signs mounted</th>
<th>P</th>
<th>Escape signs printed</th>
<th>D</th>
<th>Escape signs dynamic</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>One-sided/ double-sided</th>
<th>One-sided</th>
<th>Double-sided</th>
</tr>
</thead>
</table>

| Direction of the arrow | UP | Arrow pointing upwards | D | Arrow pointing downwards | L | Arrow pointing left | R | Arrow pointing right | UPL | Arrow pointing upwards to the left 45° | UPR | Arrow pointing upwards to the right 45° | DL | Arrow pointing downwards to the left 45° | DR | Arrow pointing downwards to the right 45° | S | All directions can be set |
|-------------------------|----|------------------------|---|-------------------------|---|---------------------|---|---------------------|-----|------------------------------------------|-----|----------------------------------------|----|----------------------------------------|---|----------------------------------------|

4. Light distributions

**ANT** antipanic

**ESC** escape

**ESC90** escape 90°

**ESCW** escape W

**Spot**

**ESC HC escape HC**

**ANT HC antipanic HC**

**Additional options**

- **ANT (HP)** antipanic (HP)
- **ESC (HP)** escape (HP)
- **ESC90 (HP)** escape 90° (HP)
- **Spot (HP)** Spot (HP)
Zumtobel, a company of the Zumtobel Group, is an internationally leading supplier of integral lighting solutions for professional indoor and outdoor building lighting applications.

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 well-being 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.

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.

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The Light.