

Press release

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Onlite: luminaires for safe guidance

Zumtobel's latest generation of escape and emergency luminaires feature impressive LED technology, efficiency and a purist design

Correctly used light can save lives and make everyday life safer. Zumtobel is facing up to this challenge with three new LED escape and emergency luminaires: Puresign, Comsign and Crossign. The company is once again setting new standards when it comes to user-friendliness, sustainability and luminaire standards that surpass applicable standards - without making any compromises in terms of design and functionality.

Zumtobel is setting new standards with three LED escape and emergency luminaires. The ultra-modern Puresign, Comsign and Crossign LED luminaires all hail from renowned design firm EOOS. These luminaires stand out due to their excellent quality, environmental friendliness and great lighting quality thanks to all-LED technology. Zumtobel and the EOOS designers have created an impressive new generation of escape and emergency luminaires that meet the most exacting design requirements, use materials sparingly and offer considerable potential energy savings. The new Environmental Product Declarations (EPD) of all three luminaires confirm improved ratings with regard to the products' environmental impact throughout their entire life cycle compared with previous emergency luminaires. Zumtobel – together with other brands in the Zumtobel Group – is the first company in the lighting industry to make the environmental impact of its products transparent in accordance with EN ISO 14025 and EN ISO 15804 and to state this impact in the form of standardised EPDs.

EOOS designer HaraldGründl explains the idea behind Puresign, Comsign and Crossign: "Our deliberate decision to opt for insubstantial materiality thanks to lightweight aluminium and plastics, fewer assembly tools and various synergies between the three products enabled us to achieve added value for customers. The design was optimised to ensure that equipment could be integrated invisibly into the ceiling or wall." Emergency lighting provides scope for potential savings primarily through a smaller installed load, a long service life, longer recognition ranges and lower maintenance and energy costs. All these parameters were taken

into account during product development of the new LED luminaires. The result was a product range that lives up to the various demands placed on escape and escape route lighting and also sports a design that is as discreet and functional as possible.

ONLITE PURESIGN 150

With its Puresign escape sign luminaire, Zumtobel has managed to meet extremely demanding sustainable product design requirements by using materials sparingly and opting for resource-efficient powder coating. Compared with its predecessor, Puresign impresses with even more frugal energy consumption and an improved IP42 protection rating (previously IP20). As a result, the service life of the surface-mounted, recessed and pendant luminaire is extended and its application versatility improved. The slim-line Puresign not only boasts a lightweight and elegant appearance, it also incorporates innovative lighting technology: a newly developed, specially laser-etched lighting circuit board distributes light uniformly across the pictograph. The surface-mounted and recessed versions of the escape sign luminaire for walls and ceilings offer the option of two rotating ERI spots for variable illumination of escape routes. The ERI (Escape Route Illumination) spot is an energy-efficient 0.5 W LED spot that is combined with a patented rotatable lens. It focuses light and allows individual alignment of the cone of light as dictated by the building's architecture. Thanks to its optimised optic, it can illuminate up to 13 m of escape route. Puresign is therefore an escape sign and emergency luminaire all in one. The high-end look of the luminaire is particularly obvious in the case of the two-sided pendant cord version of the luminaire. The slender 1.35 mm steel cord makes the luminaire appear to float in the air. This escape sign luminaire is therefore ideal for use in offices or retail spaces in particular.

ONLITE CROSSIGN 110/160

The all-new Crossign escape sign luminaire is an all-rounder. Significantly reduced energy consumption is achieved by using cutting-edge LED technology with power consumption of just 3 W and efficiency in excess of 100 lm/W. At the same time, in this luminaire, which is made entirely of plastic, the use of materials was minimised and its lighting result was optimised. With IP42/IP54 protection ratings, Crossign is dirt, dust and moisture resistant and is therefore well equipped for use in industrial buildings or multi-storey car parks. Crossign gives architects, designers and installers great flexibility thanks to a wide range of replaceable components (such as LED modules and batteries), no-fuss installation and two recognition ranges. Two rotating ERI lenses at the bottom the luminaire turn the escape sign luminaire into an emergency luminaire. Patented ERI spots with a maximum illumination range of 13 m

make it possible to adapt the cone of light individually to suit local circumstances in order to illuminate corners or places where escape routes cross each other.

ONLITE COMSIGN 150

"In the case of the Onlite range, our main concern was to reduce the amount of materials used to a bare minimum while nevertheless preserving full functionality. Zumtobel's ambitious design and quality aspirations enabled us to strike a balance between the stylistic idiom and technology of these second-generation Comsign luminaires in a way that resulted in a perfectly illuminated escape sign" recalls EOOS designer HaraldGründl. The transparent acrylic glass of the current Comsign 150 was made even lighter, and this has made installation on walls, ceilings or suspension even simpler than with the previous model. The wedge shape of the uniformly illuminated Comsign is impressive thanks to its elegant design language and excellent lighting technology. The surface-mounted part of the luminaire which in other respects remains almost identical is made of high-grade aluminium. When suspended from a cord, the pendant version of the elegant Comsign escape sign luminaire seems to float in the air. Its slightly curved shape fulfils both aesthetical and functional tasks. With 500 candelas per square metre, Comsign achieves significantly higher luminance, many times higher than the levels required in most European countries. These features are combined with the properties of an innovative LED luminaire: an extra-long service life at constant light output levels and low energy consumption. Using the levelling kit ensures very easy, fast installation of both the Comsign 150 and Puresign 150. The luminaire is simply pushed into the ceiling cut-out and screwed up tightly.

With these three new luminaires, Zumtobel's Onlite emergency lighting category now includes more than ten product ranges. What is more, by the end of 2012, emergency lighting will be one of Zumtobel's first application areas to be based entirely on an LED product range.

Zumtobel. The Light.

Brief profile of Zumtobel

Zumtobel is a leading international supplier of integral lighting solutions that enable people to experience the interplay of light and architecture. As a leader in innovation, the luminaire manufacturer provides a comprehensive range of high-quality luminaires and lighting management systems for the most varied application areas of professional interior lighting – including offices and educational facilities, presentation and retail, hotels and wellness, health and care, art and culture as well as industry and engineering. Zumtobel is a brand of the Zumtobel group with its head office in Dornbirn, Vorarlberg (Austria).

Brief profile of EOOS

Martin Bergmann (born 1963), Gernot Bohmann (born 1968) and Harald Gründl (born 1967) first got to know each other when they were studying at the University of Applied Arts in Vienna, and formed EOOS in 1995. They work on furniture design, product design and social design and are currently working for the Bill and Melinda Gates Foundation. EOOS has received more than 60 international awards for its designs. These include the "Compassod'Oro" in 2004; in 2007 they were chosen as "Austrians of the Year" in the creative industries section, and they were awarded the Gold design prize of the Federal Republic of Germany for their mobile workshop kitchen b2.

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Captions:

Credits: Zumtobel



Caption 1: In collaboration with Zumtobel, design firm EOOS has developed three new LED escape sign and emergency luminaires, which set new standards in terms of user-friendliness and sustainability.



Caption 2: Not only was the amount of materials used for the new Crossign luminaire reduced, its lighting result was also improved: with power consumption of just 3 W and efficiency in excess of 100 lm/W, Crossign sets new standards when it comes to efficient use of energy.



Caption 3: Manufactured from high-grade aluminium, uniformly illuminated and boasting an elegant wedge shape: the Comsign LED escape sign luminaire.



Caption 4: Innovative in terms of lighting technology: compared with its predecessor, the energy consumption of Puresign was reduced even more and its degree of protection was improved to IP42. In addition, the escape sign luminaire features two advanced rotating ERI spots for variable illumination of escape routes.