

Press information

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TRINOS – Industrial lighting redefined

The TRINOS industrial LED luminaire combines for the first time the flexibility and functionality of a trunking system with the durability of an IP65 solution. As a result, precise and high-quality work is supported in locations that demand higher protection against moisture and dust.

Dornbirn, 22. November 2017 – A series of factors have to be taken into account when developing lighting concepts for industrial buildings. Along with issues such as energy efficiency and employee well-being, various industry-specific standards and necessary levels of protection often represent major challenges. The concept of Industry 4.0 is also leading to new production processes and therefore constant change when it comes to different usage scenarios and visual requirements. In addition, prevalent environmental influences are playing an increasingly prominent role in many companies. This means that industrial buildings now need flexible and individually adaptable lighting concepts with durable luminaires that also meet the myriad of application-specific norms, standards and guidelines.

With the [TRINOS](#) continuous-row LED lighting system, [Zumtobel](#) is launching the first ever IP65 trunking system that combines the flexibility of a trunking solution with the high resistance of an IP65 lighting solution. TRINOS therefore facilitates accurate and high-quality work in applications with demanding conditions.

Optimal combination – A flexible trunking system with IP65 protection

[TRINOS](#) breaks new ground by offering an effective trunking solution for industrial areas where the operational environment calls for a high degree of protection. This means that a continuous-row system can be specified for the first time in applications such as cold stores and textile, paper and wood processing plants, as well as in covered outdoor areas.

A three-piece sealing concept ensures that the optically appealing solution delivers the highest levels of resistance, safety and performance at all times. The proven split-lens technology from the [TECTON C](#) portfolio is also used in the TRINOS luminaires, which are protected from contamination and moisture from below, from above and at both ends. The TRINOS trunking incorporates outstanding corrosion protection and weather resistance to provide a stable base. The powder-coated and high-strength aluminium profile is also impact-resistant and can therefore withstand extremely high mechanical stresses. The batten luminaires are recessed into the trunking using a special CLIX technique and protected against knocks by the aluminium side cover.

A continuous sealing profile along the whole length of the trunking eliminates the risk of dust or water reaching the interior of the system from above, especially at the joints. The endless sealing cover has a unique triple-extrusion profile that, alongside a permanent sealing function and excellent transparency, also offers the kind of resistance required in industrial applications. An end cap with a foam seal, alongside pre-punched and sealed openings for the connection cables, completes the impenetrable protection of the trunking system against water and dirt.

Up to 50 metres of the IP65 continuous-row system can be mounted in one piece. The trunking profiles, batten luminaires and lighting modules are all manufactured in metric dimensions, while the wiring, sealing profile and sealing cover can also be installed continuously for light lines with a maximum length of 50 metres. The three components - sealing profile, wiring and cover - are supplied on rolls and can be easily fixed in place using an innovative installation tool.

TRINOS facts and figures:

- LED continuous-row system with IP65 protection
- Simple, fast and secure installation thanks to an innovative installation tool and a CLIX technique
- Split-lens technology ensures homogeneity of the light-emitting surface, limits glare and reduces light pressure
- Colour temperature: 4000 and 6500 Kelvin
- Light distribution: Wide Beam and Narrow Beam
- Lumens: 3700 – 10,000 lm
- Integration of ECOSIGN escape sign luminaire and TRINOS motion sensor for added safety, improved user comfort and increased energy efficiency
- Individual luminaires in lengths of 1.8 and 2.3 metres also available

Photo captions:

(Photo credits: Zumtobel)



Fig. 1: The TRINOS continuous-row LED lighting system is the first ever IP65 trunking system that combines the flexibility of a trunking solution with the durability of an IP65 lighting solution.



Fig. 2a + b: A three-piece sealing concept ensures that the optically appealing TRINOS solution from Zumtobel delivers the highest levels of resistance, safety and performance at all times.



Fig. 3a + b: Up to 50 metres of the IP65 continuous-row system can be mounted in one piece. The trunking profiles, batten luminaires and lighting modules are all manufactured in metric dimensions.



Fig. 4a + b: TRINOS breaks new ground by offering an effective trunking solution for industrial areas where the operational environment calls for a high degree of protection.

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About Zumtobel

As a leader in innovation, Zumtobel develops sustainable lighting solutions tailored to the needs of people in their respective applications. With a comprehensive portfolio of high-quality luminaires and intelligent lighting management systems, the Austrian company provides optimum indoor and exterior products for working and living spaces - the right light for every activity at any time of day. The applications office, education, presentation and retail, hotel and wellness, health, art and culture and industry are now perfectly complemented with portfolios for living and outdoor areas. Zumtobel is a brand of Zumtobel Group AG with its head office in Dornbirn, Vorarlberg (Austria).

Zumtobel. The Light.