

Press release  
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## **Invisible light** **Zumtobel presents Microtools lighting system for miniaturised shelf lighting**



B1 | The new Microtools LED system blends almost invisibly into shelves and display cabinets. The LED spotlights are currently among the smallest ones available on the market.

On the occasion of EuroShop, Zumtobel is launching the modular Microtools LED lighting system for shelf lighting, which cannot fail to impress with its minimalist design, high-quality appearance and excellent lighting quality. The unobtrusive LED system is suitable for installation in or on wooden shelves as well as for surface-mounting on glass and metal boards. A variety of easily combinable modules is available to ensure versatile, highly flexible illumination - for general lighting, lighting accents or a combination of both. In the process, the LED technology incorporated demonstrates its strengths within minimum space: the miniaturised lighting heads have been integrated into the modules to the greatest possible extent. The front ring used for aligning the spotlights and for replacing the optics protrudes only 4 mm from the module, ensuring that the light sources remain virtually invisible. The light provided presents the goods displayed to optimum effect. Selective lighting accents emphasise even the smallest product details, presenting them as elegant highlights.

The LED spots and sections in high-quality finish are made of silver anodised aluminium. Due to their highly compact dimensions, the

gimbal-mounted lighting heads are currently among the smallest ones available on the market.

As the 1.2 W LED chips produce only very little heat, they may be placed close to the product or exhibit on display: this means that they can replace conventional low-voltage halogen spotlights without any compromise in terms of quality, yet at a significantly reduced installed load. LED light is focussed intelligently to perfectly meet all requirements in the context of museum and shop design. Beam angles ranging from Spot (16°) to Very Wideflood (68°) ensure that selective lighting accents direct the customer's focus onto individual items while other shelf areas are illuminated uniformly.

In order to provide optimum authenticity and highlighting of each item, the Microtools LED modules can be ordered in two colour temperatures – warm and intermediate. Very high colour rendition of optionally Ra > 80 or Ra > 90 emphasises the LED system's quality standard. For Microtools, Zumtobel uses only carefully selected LED chips featuring the best binning available on the market. This guarantees that no colour temperature differences are perceivable



when directly comparing the lighting heads. Long maintenance intervals are another asset of advanced LED technology. They make Microtools especially suitable for all areas where undisturbed business operation is of essential importance.

Installation is easy, requiring only three steps: first, the mounting section is fitted in or on the shelf. The LED modules are then simply clicked onto the section and arranged. Brightness can be controlled and dimmed independently of the modules. Maximum flexibility is provided by

full DALI compatibility and integration into the Dimlite, Emotion and Litenet lighting management systems. As ceiling, wall or shop window lighting can be linked with shelf lighting, a wealth of attractive lighting scenes can be created. This also allows for taking into account the intensity of daylight.

The modular Microtools lighting system will be presented for the first time at EuroShop and will be available from May 2011. Zumtobel grants a five-year guarantee on the complete product range.



B2 | The 1.2 W LED lighting heads can be combined to form a variety of modules. Depending on requirements, they can be configured to provide uniform general lighting, high-precision accent lighting or a combination of both.



B3 | Whether jewellery, accessories, cosmetics or delicatessen – with a high colour rendition index, the perfectly unobtrusive Microtools LED system will selectively and gently set any product centre stage.

More information:



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