

Press release
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Panos Infinity LED downlight range – the future begins now

Dynamic colour temperature, design and efficiency blend to open up a new dimension



B1 | Panos Infinity Tunable White supremely combines colour temperature dynamic with best lighting quality, efficiency and design. The colour temperature is adjustable in the wide range from 2700 to 6500 Kelvin.

Light for the most sophisticated demands: Zumtobel's new Panos Infinity LED downlight range makes tomorrow's lighting quality, efficiency and design available today. With a minimalist design and a luminaire efficiency of up to 77 lumens per watt, high-quality LED technology has by now outcompeted traditional compact fluorescent lamps in terms of efficiency and lighting quality. Thanks to Christopher Redfern's design, the successful Panos downlight range has been transferred into the modern era. The luminaire's luminous flux in excess of 1,800 lumens is achieved with a power input of 27 W; for 2,400 lumens, the Panos Infinity downlight requires 36 W. This makes the LED downlight more than 70% more efficient than downlights fitted with conventional compact fluorescent lamps.

High lighting quality with stable colour temperature sets standards for high-quality lighting solutions. A special LED-technology allows to achieve a stable colour temperature of

3000 K or 4000 Kelvin throughout the service life of 50,000 hours, as well as excellent colour rendition of > Ra 90.

As a complete innovation, the downlight range is now also available providing unique dynamic changes of colour temperature. With Panos Infinity Tunable White, the natural course of daylight can be simulated, allowing users to flexibly adjust the colour temperature in the white light range, depending on the respective application. In the process, a temperature range of 2700 K to 6500 K not only improves the quality of perception but also creates eye-catchers, highlights colours and enhances the human biorhythm. The various different white tones are adjusted via the Circle tune kit or the Luxmate Emotion touch panel.

With his design, Christopher Redfern demonstrates the opportunities provided by LED technology to create a new design language. The harmonious transition between

the LED lighting chamber and the reflector makes the light source invisible. Fitted with a considerably reduced cover ring, the downlight blends harmoniously into the interior. The new frameless downlight model is an architectural highlight. Comments the designer on his conceptual idea: "With this downlight I wanted to create light that closely approaches natural daylight. Light with pleasant colour temperatures and the option to adjust them to people's preferences."

The efficiency of the luminaire system, which has no equal on the market, is achieved through a unique fusion of special technologies, top-quality materials and technical lighting know-how, resulting in the Infinity Optical System (IOS). To ensure optimum LED performance and system service life, Zumtobel has placed special emphasis on efficient cooling. Zumtobel succeeded in developing a passive cooling system for the LED module (patent pending) which considerably improves the downlight's performance characteristics. Panos Infinity is DALI-dimmable as standard, allowing for additional attractive potential savings.

The complete Panos Infinity LED downlight range will be presented at Light+Building and will be available from May 2010. There will be a choice between two different diameters (150 and 200 mm), with two mounting depths of 100 mm and 140 mm for the LOW and HIGH versions, respectively. Combined with four different reflector versions and the frameless option, perfect lighting solutions for all areas of application can be implemented.

The modular design of the Panos Infinity downlight emphasises the future-oriented approach even further. Thus, the LED lighting chamber and the passive cooling system are combined into a unit that can be separated from the control gear and reflector without any tools. Replacing the LED module is therefore very straightforward.

A five-year guarantee is supplied with the Panos Infinity downlight range comprising control gear and LED. Furthermore, the entire product range complies with the criteria of the sophisticated eco+ product label developed by Zumtobel to identify particularly energy-efficient products.



B2 | Pioneering role thanks to superior lighting technology: with the passive cooling system for the LED module of the Panos Infinity downlight, Zumtobel has managed to achieve an outstanding improvement of the product qualities.



B3 | The new downlight version of Panos Infinity DB is completely frameless. Hence, Panos Infinity does not only provide optimum lighting comfort, but becomes an architectural highlight in its own right.

More information:



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