

Press release

Dornbirn, April 2012

Milestone in daylight-based control systems

Zumtobel is unveiling its Luxmate Litenet lighting management system with Tunable White functionality; the system extends throughout entire buildings

Centrally controllable and simple to operate. Luxmate Litenet is setting new standards when it comes to lighting management systems. Up to 10,000 luminaires can be efficiently managed by integrating daylight sensors, presence detectors and time sensors. It is now possible to set lighting intensity and colour temperature completely independently of each other thanks to new Tunable White compatibility. This control system produces unprecedented quality of perception in exhibition areas and offices, and ensures a sense of well-being at any time of the day.

Zumtobel is one of the first suppliers to combine daylight-based and variable colour temperature components in its Luxmate Litenet building services management system. For the first time ever, it is possible to control light efficiently, intelligently and in accordance with users' preferences. Sophisticated lighting management makes it possible to set warm to cool white lighting scenes at any time. Tunable White luminaires are the new trend. They make it possible to adjust colour temperature individually to suit the material, surface or colour of products without having to replace lamps or luminaires. Tunable White is also used to create warm white lighting scenes in the morning and evening and intermediate to cool white scenes at noon, so as to replicate natural variations in daylight over the course of a day. These lighting sceneries, which mimic daylight, are proven to work in harmony with human biorhythms.

They provide a perfect mix of energy efficiency, lighting quality and visual comfort. The external daylight sensor monitors how much daylight is entering the rooms. Based on this, only the precise amount of artificial light needed to produce a pleasant atmosphere and comply with the applicable standard is added in. This saves energy and cuts costs. This new feature, which makes it possible to adapt the colour temperature in different rooms of a building, results in improved quality of perception. This means a museum can adapt the colour temperature in different spaces to really suit the material and colour of particular exhibits. In offices, changes in white lighting sceneries are able to mimic daylight even more closely than

ever before. This has a positive impact on workplace quality, communication and staff motivation.

The Luxmate Litenet lighting management system is designed for small as well as large properties. By intelligently integrating daylight sensors, presence detectors and time sensors, Luxmate Litenet makes it possible to efficiently manage up to 10,000 luminaires. In this latest-generation lighting management system, the ability to actuate Tunable White luminaires is built into the system. For the first time ever, the lighting intensity and colour temperature of luminaires can be defined completely independently of each other and easily controlled on graphically displayed timelines. The user has the facility to manually adjust colour temperature to suit his or her preferences at any time. Zumtobel also suggests beneficial lighting concepts: predefined daylight sequences for offices, production workshops, healthcare facilities and retirement homes are based on scientific knowledge and ensure a sense of well-being. The extended functionality of the lighting management system is easy to operate via a central controller. Predefined sequences can be created and programmed easily. As usual, the system provides a complete overview of luminaire functions and current room conditions.

Anyone who currently uses Luxmate Litenet and wants to integrate Tunable White luminaires in their system can simply update their existing configuration through a software update. This means there is no longer any obstacle to straightforward implementation of energy-efficient lighting solutions with variable colour temperatures and lighting intensity levels. Luxmate Litenet is a complete one-stop solution (luminaires and control system). Zumtobel will be showing various Tunable White luminaires that are compatible with Luxmate Litenet at Light+Building 2012; these include the Panos Infinity downlight range and Arcos and Lyon LED spotlights. Zumtobel will be upgrading the compatibility of new variable-colour temperature luminaires with its Luxmate Litenet Tunable White control unit in future.

Zumtobel. The Light.

Brief profile

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).

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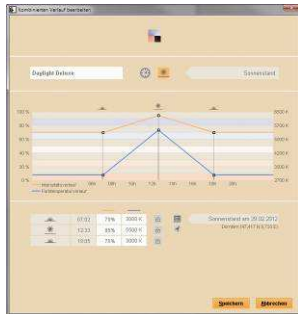


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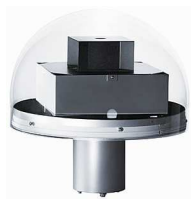
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Captions:

Credits: Zumtobel



Caption 1: The Luxmate Litenet control system's new Tunable White function makes it possible to define the lighting intensity and colour temperature of luminaires completely independently of each other. Graphically displayed timelines ensure simple operation.



Caption 2: The daylight sensor uses photocells and infrared sensors to continuously monitor the sky situation and its changes. Zumtobel's lighting management system uses this information to control both artificial lighting and blinds. This optimises lighting quality and visual comfort in the interior of a building on the basis of daylight while also ensuring the best possible energy efficiency.



Caption 3: Artificial lighting and the lighting control system play an important role on the campus of Reykjavik University because of lighting conditions in this Nordic region. The Zumtobel lighting control system that is used allows perfect lighting conditions and reduced energy consumption.