

Dynamically adjustable white light temperatures

Tunable White lighting from Brumberg with high light quality

Sundern, March 2016 From stimulating cool white to calming warm white Natural light influences human biorhythms and has a positive effective on our well-being. The Tunable White lights from Brumberg now open up completely new possibilities for lighting in different white light tones. 'LED research is focussing increasingly on the progression of daylight. The goal is to recreate the natural lighting mood and to enhance the quality of light', explains Johannes Brumberg, managing director and owner of the lighting manufacturer in Sundern. 'With the Tunable White lights, we have now succeeded very well at accomplishing that'.

The white light is adjusted continuously along the Planckian curve by controlling respectively a cool white LED chip and a warm white LED chip. In the interaction with a 2-channel dimmer, the desired white light temperature can be individually adjusted in this way. The brightness can also be adjusted using an additional dimmer. The dimming components from the Brumberg product line are perfectly matched to each other in order to ensure optimal functioning.

Enhanced light quality for the private and property sector

Dimming with 2-channel technology In modern offices, educational institutions or shops, the white light dynamic of the Tunable White recessed luminaires or flex strips can be selectively adjusted. In the private sector, lighting moods can be adjusted by the dimmer according to need.

Variable light colour depending on the intended purpose: in order to support the active and relaxation phases of the working day, the white light in offices can be dynamically dimmed. Greater quality of light has a positive effect on the productivity of the employees. In schools and universities as well, Tunable White supports learning and creativity.

Stimulate productivity and increase sales

Products and materials in retail stores are optimally shown to their advantage with Tunable White lights. Warm white light is suited for yellow and red fabrics, while blue and green tones require a cooler white light to be presented authentically – thereby increasing sales. Store owners can also perfectly stage frequent changes of collections, which can occur up to fourteen times annually, without changing the lights.

LED dual dimmer or LED controller with wireless remote control

Brumberg is currently offering two modules: the Tunable White LED dual dimmer (1-10V) or the 2-channel LED controller with wireless remote control. By means of the 2-channel technology, two white light channels are controlled separately and can be adjusted between cool white and warm white. The light intensity can be dimmed in addition to the colour temperature. Furthermore, Tunable White can also be integrated into the building system control. In this case, the white light is controlled by a server and the corresponding user interfaces.

BRUMBERG Leuchten GmbH & Co. KG

The family-owned company, founded in 1873 by Hermann Josef Brumberg under the same name in Sundern – since 1985 known under the name Brumberg Leuchten GmbH & Co. KG – has established itself as a professional lighting manufacturer in the high quality smart lighting technology sector. It is among the leading suppliers and offers professional lighting solutions for almost all application areas. In its portfolio there is a broad spectrum of LED lights and lighting fixtures with conventional light sources in various designs and power ratings. The company, family-run for five generations, is headed by the brothers Johannes and Benedikt Brumberg. In 2015, Brumberg became a partner of “eNet-Allianz with GIRA/JUNG” as well as of “FEELSMART”. In 2016, Brumberg joined the strong brand alliance “Connected Comfort” as well as the “Initiative Elektromarken. Starke Partner.” You can find further information at <http://www.brumberg.com>.

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