



In the spotlight

Innovative lighting concepts

by Waldmann at Light & Building 2010



The new Waldmann trade fair booth at Light&Building displayed current examples of innovative lighting concepts. Focal topics included LED technology and distinct lighting quality with sustainable energy efficiency and motivating lighting culture.

(Image: Waldmann)

At the international key trade fair of the lighting industry and building engineering in Frankfurt am Main, the Schwenningen-based company Waldmann presented innovative lighting solutions for architecture and office. As part of the newly developed "TWIN-C lighting philosophy", complex lighting installations were presented to an expert audience at a 230 square-meter, two-story trade fair booth.

The presentation focused on functional lighting solutions and the corresponding innovative products. In this context, the concept revolves around human beings for whom light creates an individual living atmosphere and optimum working conditions.



SIRA is Waldmann's new direct/indirect free-standing luminaire. For the first time ever, this new development enables work and room lighting to be completely generated by LED modules. With an installed output of just 90 watt, the high-power LEDs bring the latest generation of pleasant and glare-free lighting to rooms and workspaces. With integrated PULSE HFMD sensor. (photo: Waldmann)

Three areas illustrated what is meant by this. The first area focused on innovative LED technology. Waldmann was the first company in the world to present a free-standing luminaire with a direct and indirect beam, offering architects and planners completely new options for room and workplace illumination in the form of innovative LED lamp technology. The direct and indirect light of the integrated LED spots is configured by Waldmann's lenses to ensure glare-free and standard-compliant lighting of room and workplace. Intelligent engineering is also featured in the innovative switch and dimmer functions because the different lighting sources are controlled separately to provide an individual lighting level. For instance, the lighting color can be changed to the desired shades. The LED technology was one of the biggest trade fair topics. Excellent quality criteria such as luminous power, extreme durability and extremely compact construction sizes offer whole new possibilities for futuristic lighting. Waldmann not only presented the free-standing luminaire Sira, but also a special desk luminaire with LED light technology.





High-tech in a double pack. The quality features of the new Waldmann ATARO HYBRID free-standing luminaire can be defined as follows: It provides pleasant room lighting thanks to high-quality T5-LS lamp technology and glare-free LED direct lighting for the workplace.
(photo: Waldmann)

In addition to LED, focus was also placed on further lighting aspects. Intelligent engineering and applications were the connecting element for extraordinary solutions. One example of these intelligent components is the “PULSE” lighting management system. Waldmann has been constantly enhancing the system for almost one and a half decades. This technology is proven to generate 50 percent annual savings in energy costs. A monitoring under the academic supervision of the Rosenheim University of Applied Sciences proves the energy efficiency generated by Waldmann lighting technology.

Lighting quality is however more than new lamp technology and clever energy-saving concepts. Lighting quality also generates a pleasant, feel-good, daylight-oriented lighting climate. The right light in a light and friendly room atmosphere is proven to improve the way we feel, as well as promote employee motivation. This atmosphere is not a luxury, but a progressive contribution to an inspiring corporate culture.

This philosophy could also be felt at the redesigned trade fair booth. Clear design and a consistent topic transparency instantly communicated the important messages to the visitor. The Waldmann trade fair team responsible for the planning and overall concept purposely strived for a design that specifically addresses architecture and building engineering experts.

The lighting specialists from Schwenningen definitely want to give the business climate in the lighting industry a real boost and are hoping to establish as many lasting business contacts as possible.



New LED desk luminaire MINELA with just 8-watt energy consumption. Wide-range, individually adjustable task luminaire. Absolutely glare-free with symmetric or asymmetric beam.
(Photo: Waldmann)



Engineer of Light – Herbert Waldmann GmbH & Co. KG.

Herbert Waldmann GmbH is based in Villingen-Schwenningen and is a leading global manufacturer of lighting concepts. Waldmann's lighting engineers develop lighting systems for the European, US American and Asian markets. The product range comprises lighting for the workplace in all industries and fields of application. One focus is placed on the fields of architecture, industry and medical phototherapy. Waldmann strives to create technological innovations: Whether the latest light management technologies for offices, medical lights that conform to standards or waterproof LED industrial lights for the toughest demands – more than 50 years of Waldmann know-how represent the continuous optimisation of productivity, safety, health and energy savings. Herbert Waldmann GmbH is a brand of the Waldmann Group. Further information: www.waldmann.com.

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