

Press Release

Revised LinearZ LED Modules for High-Quality Light with Highest Efficiency in Zhaga Standard

We are all aware that our future also depends on how sustainably we manage the earth's resources. In accordance with the Ecodesign Directive, the lighting industry makes an important contribution to climate protection with environmentally friendly artificial light. Lumitronix' goal is to offer the technically best possible LED modules with perfectly matched individual components that enable climate-friendly light in accordance with applicable standards. For this reason, the entire LinearZ portfolio for use in linear luminaires has now been revised and expanded with new versions.

With its LinearZ product family, Lumitronix offers a wide range of LED modules that continuously enjoy high demand thanks to the design based on the Zhaga standard and the high-quality features "Made in Germany".

With premium LEDs from leading manufacturers, the revised LinearZ modules enable the highest level of technology currently available and thus combine first-class quality and top values of the latest LED technology. The LED modules achieve at least an energy efficiency class C. Whereas for most colour temperatures the classes A (CRI 80) and B (CRI 90) are easily possible. The LinearZ module series is currently produced in lengths of 140 mm, 280 mm, and 560 mm.

A variety of versions are available as standard and offer the lighting industry diverse solutions ranging from perfect task lighting and dynamic shop lighting to sophisticated Human Centric Lighting applications. Thanks to state-of-the-art LED technology, the flexibility of artificial lighting no longer knows any limits and delights the user with excellent light quality across the entire spectrum.

For demanding applications with artificial light, the LinearZ modules are offered with special LEDs, such as the innovative Nichia 2in1 Tunable White LEDs (colour temperature change under one LES (Light Emitting Surface)) or the H6 series with TriGain phosphor technology for maximum efficiency without compromising colour rendering. For a full-spectrum illumination, we use Sunlike LEDs from Seoul Semiconductor, which have a CRI value of almost 100. Constant light quality with the same brightness level and uniform light colour is guaranteed by 3-step MacAdam binning for all LED modules.

There has also been an improvement in the process steps, which all take place in Hechingen, from the design in development to production. This has resulted in a reduction of manufacturing costs. The short distances ensure significant CO2 savings and enable short delivery times with a large selection of proven "bestsellers" from stock.

Upon request, even small quantities of modules can be customised in terms of light colours or alternative LED types. As an authorised distributor, Lumitronix keeps a large selection of LED types in stock, which can be assembled quickly and easily for customer projects in our own production facilities.

Product features of the LinearZ product family at a glance:

- Standard and customisable LED modules
- Compatibility with Zhaga Standard
- Different lengths: 140 mm / 280 mm / 560 mm
- Top efficiency values for high energy efficiency class (C, B, A)
- Different white tones and colour rendering values available
- Tunable White (with 2-in-1 LEDs or 2-channel resp. 3-channel versions)
- Equipped with LEDs from leading manufacturers: Nichia, Seoul Semiconductor
- Innovative LED technologies for best light quality: TriGain phosphor technology & Sunlike
- Small MOQ and high flexibility for customisation for customer projects
- Short delivery times for stock
- Large selection of "bestsellers" consistently available from stock
- High planning reliability (can be delivered for at least 5 years by agreement)
- 100% Made in Germany

About Lumitronix

Lumitronix has been one of the leading specialists for LEDs and LED products for many years. As a competent partner for the industry, Lumitronix possesses broad application knowledge from numerous sectors. The Swabian company, based in Hechingen, Germany, has ISO 9001 certification and is also the official distributor of market-leading manufacturers of LED technology. Lumitronix is not only involved in the distribution of LED products, but also develops and manufactures LED modules and matching control units in-house according to customer-specific requirements. Two ultra-modern production lines with the latest machine technology allow the assembly of both rigid and flexible PCBs. A special feature of the flex production is the reel-to-reel processing, with which almost endless lengths can be realised. The production site in Hechingen furthermore provides the benefit of being able to respond quickly and reliably to individual customer wishes and requirements. Quality Made in Germany.

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