

Press release

Z-Flex 280x20 - Flexible LED strips in Zhaga standard allow simplified processing for an integration into linear luminaires

With the latest innovation from Lumitronix, the focus lies specifically on luminaire manufacturers. The flexible Z-Flex 280x20 LED strips promise significantly easier installation than the usual rigid LED modules. The flexible LED strips are based on the popular Zhaga standard of modules with a length of one foot and are therefore compatible with many linear luminaire types.

Simplification in processing and cost reduction

Christian Hoffmann, CEO of Lumitronix, is aware of the advantages of the Z-Flex 280x20: "Unlike rigid modules, which have to be fixed in large numbers with screws depending on the nature of the luminaire, the Z-Flex LED strips can be glued into the body in one piece. Another advantage over modules based on rigid boards is the wiring. The Z-Flex modules can be operated up to a maximum length of 1.4 metres with one feed."

The 280 x 20 mm Z-Flex modules are produced by Lumitronix on the new Flex production line at the Hechingen site using the roll-to-roll process. Roll lengths of 5.6 and 56 m are produced. "This results in considerable savings for companies in the lighting industry, especially in cost centers such as warehousing and transport. What's even more important: the flexible strips on a roll save time during installation, since rigid modules are usually individually packed in ESD film and are therefore very time-consuming to install." Hoffmann continues.

Available in SELV and Non SELV versions

The flexible modules are available in SELV and Non SELV versions. The SELV version offers the decisive advantage that the modules can be mechanically separated without the risk of flashovers due to the low operating voltage, thus making them safe to touch. The Non SELV modules are not electrically plated through over their entire length due to the higher voltage, thus ensuring a sufficient safety distance to the conductor tracks even after disconnection.

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 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 realized. 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.

Press contact:

LUMITRONIX® LED-Technik GmbH
Thomas Berthel
Brunnenstr. 14, 72379 Hechingen

E-mail: thb@leds.de

Phone: +49 7471 96014 – 83

https://www.lumitronix.com/en_gb/

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