

Press release

Optisolis sunlight LEDs for optimal display of works of art in museums

Together with the world's leading LED company Nichia and the Belgian luminaire manufacturer Eden Design, the Hechingen-based LED company Lumitronix has succeeded in winning three pilot projects in the field of museum lighting. The aim was to develop and install LED museum lighting for optimum presentation of works of art in the best possible lighting quality. The projects were realised in the Zeppelin Museum in Friedrichshafen, the Ludwig Museum in Koblenz and the Picasso Museum in Münster.

In order to guarantee the best possible light output, Lumitronix, as a Nichia distribution partner in Europe, relied on COB modules with the highly efficient Optisolis LEDs for the project development. The full spectrum LEDs of the world market leader in LEDs are capable of generating a light spectrum that comes closest to that of the sun. This is achieved by a revolutionary new phosphor technology and a special blue LED chip. The spectrum of the 420nm chip contains almost no UV emissions and, in combination with the phosphor, achieves a CRI value of almost 100. Due to their very low UV emissions, Optisolis LEDs are therefore particularly suitable for use in museums and art galleries, where the highest possible CRI value is preferred, but UV radiation would damage valuable works of art.

In addition to the COBs, LED expert Lumitronix also provided the matching connection elements and optics. The Swabian technology company was also responsible for acquiring the museums and coordinating the projects. The lighting technology was installed in individual spotlights from Eden Design, which were developed with museum requirements in mind. In doing so, special attention had to be paid to conservation guidelines and design demands.

On the one hand, the high colour rendering index of the Optisolis LEDs ensures very realistic and lifelike illumination of the art exhibits, while the low UV content guarantees safe use in a museum environment. The sunlight luminaires are currently in a testing phase and will be in use in the above-mentioned museums until the end of 2019.

About Lumitronix

Lumitronix has been ranging amongst the leading specialists for LEDs und LED products for many years. As a competent partner for the industry, Lumitronix disposes of a broad know-how from several industries. The Swabian company headquartered in Hechingen is certified according to ISO 9001 and furthermore is the official distributor of market-leading manufacturers of LED technology. However, Lumitronix is not only active in the field of distributing LED products, but also has in-house development and production departments working according to customer-specific requirements. Quality Made in Germany.

About Nichia:

Nichia is the largest LED manufacturer in the world and the inventor of the blue (and therefore white) LED. Nichia's innovative research department is always at the forefront of efficiency and regularly sets new records. Service life, brightness and efficiency are among the great strengths of the Nichia brand. In addition, the fine selection enables great added value for professional processing.

About Eden Design:

Founded in Belgium in 2002, Eden Design specialises in lighting solutions for residential and commercial projects. The luminaires, designed by renowned designers, are exceptional in terms of technology and appearance. In addition, Eden Design is able to implement customer-specific requirements. All products are manufactured in Genk, Belgium, with high quality, research and innovation in mind, and are available through a worldwide network of distributors.

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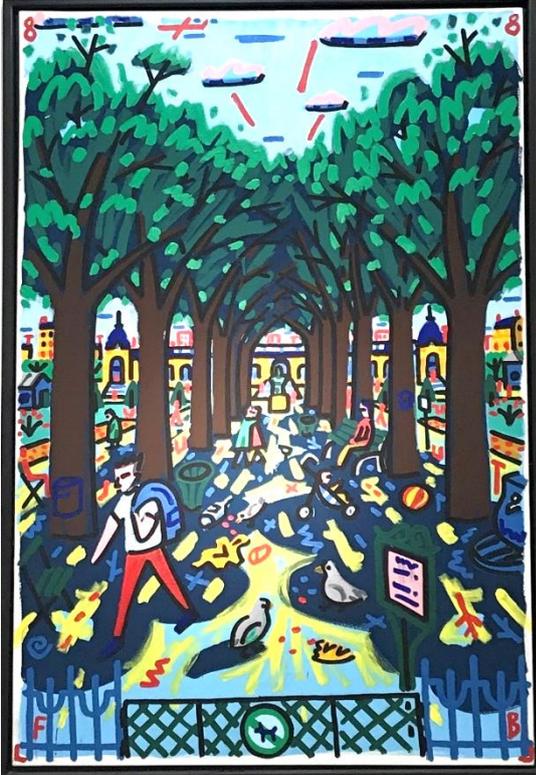
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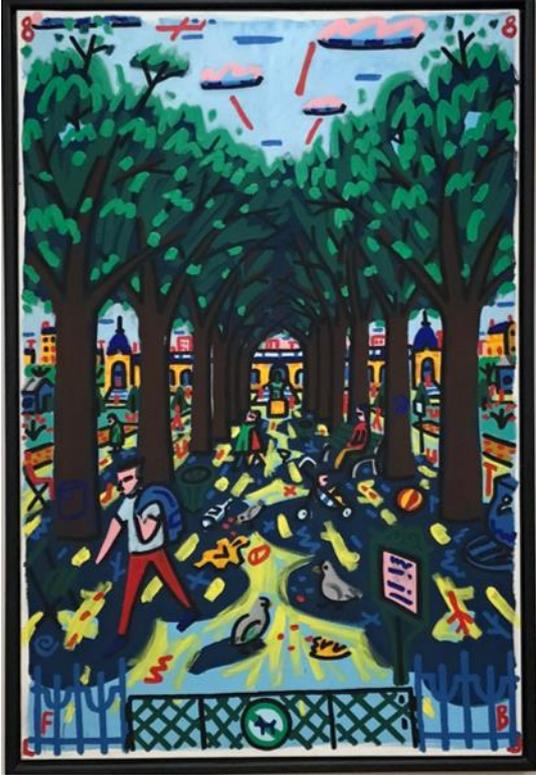
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Images:

Ludwig Museum Koblenz



with Optisolis



without Optisolis

Picasso Museum Münster



with Optisolis



without Optisolis



with Optisolis



without Optisolis

Zeppelin Museum Friedrichshafen



with Optisolis



without Optisolis



with Optisolis



without Optisolis