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## **Luxeon Lights the World's First LED Apartment**

*The Vos Pad in London has been entirely lit with Luxeon LEDs, creating the world's first solid-state lighting apartment*

BEST, THE NETHERLANDS (21 October 2003) - Lumileds Luxeon LEDs have been used by ACDC Lighting to create the world's first fully dimmable and chromatically controlled RGB LED lighting apartment, The Vos Pad in Chelsea, London.

Designed by Marcel Jean Vos, of Vos Solutions, the project took two months to implement, with £12,000 spent on the development, including £8,000 on the LED light sources.

Luxeon LEDs are used throughout the apartment, including the bathroom, living room and kitchen, with the ACDC architectural lighting products utilising the small size, energy efficiency and long life of Luxeon LEDs to allow integration into the fixtures and fittings of the apartment.

The result is a lighting design that offers a choice of 16 million colours, and a range of lighting effects, to achieve a modern, stylish design for the apartment.

The LED solution brings a number of advantages for the Vos Pad. The low power consumption of each LED-based fitting results in only 550 watts being consumed when the lighting throughout the Vos Pad is on full power, providing significant energy savings over conventional light solutions.

In addition, the long life of Luxeon LEDs ensures that the light sources can be built into the apartment fittings, without concerns over bulb replacement and minimising maintenance costs.

Gareth Frankland, Sales and Marketing Director of ACDC Lighting, said: "The Vos Pad is a world first, made possible only through the innovative and research-led approach of ACDC and Lumileds, who provided the technical expertise to make the Vos Pad vision of full ambient lighting control a reality.

"The Luxeon LEDs provided us with a high power, energy efficient light source to maximize the performance and environmental awareness of the solution, while the small size allowed us to create a unique lighting design. The result is outstanding and is a clear sign of the future of domestic lighting."

A range of ACDC's Luxeon based lighting products have been utilized. Its Atlantis product has been used in-ground throughout the apartment to bathe the walls in coloured light. This compact, waterproof fitting utilized the RGB Luxeon to create strong, intense colours without the use of inefficient filters or gels.

The micro aluminum fitting Minicubeus was also used in a selection of locations in the bedroom and living areas, to create a stunning visual effect that utilizes the incredibly powerful light output from the compact single Luxeon LED light source.

The balconies of the Vos Pad also received the LED treatment with the ACDC IP67 Artemis product used to provide totally independent colour change across the building façade.

Mark van den Berg, Marketing Manager Europe for Lumileds, added: "ACDC's lighting of the Vos Pad utilises all of the Luxeon advantages to maximum effect, and we are delighted to be involved in such a unique project.

"The small footprint and high power of Luxeon LEDs is attracting growing interest for both internal and external lighting solutions, and with the success of the Vos Pad we are confident that the domestic lighting market will increasingly look to Luxeon LEDs to provide the basis for creative, flexible lighting."

### **About Lumileds Lighting**

Lumileds Lighting is the world's leading manufacturer of high-power LEDs and a pioneer in the use of solid state lighting solutions for everyday purposes including automotive lighting, traffic signaling, signage, LCD backlighting and general lighting. The company's patented Luxeon Power Light Sources are the first to combine the

brightness of conventional lighting with the small footprint, long life and other advantages of LEDs. Lumileds also supplies core LED material and LED packaging, manufacturing billions of LEDs annually. A joint venture between Agilent Technologies and Philips Lighting, Lumileds is headquartered in San Jose, California, with operations in the Netherlands and Malaysia and sales offices throughout the world. For more information visit [www.lumileds.com](http://www.lumileds.com).

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