



## **ZEONOR Film® for Organic EL Lighting on Display at G8 Hokkaido Toyako Summit**

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June 23, 2008

Organic EL lighting using ZEONOR Film® developed by ZEON Corporation (President: Naozumi Furukawa, Chiyoda-ku, Tokyo) will be exhibited at the G8 Hokkaido Toyako Summit, to be held from July 7 to 9, 2008. This Organic EL lighting was produced by combining specially processed ZEONOR Film® with an organic EL substrate developed by the Research Institute for Organic Electronics (Director: Junji Kido, Professor at Yamagata University) in Yonezawa. The new film offers 40% or more brightness than conventional EL substrates.

Lighting equipment accounts for over 20% of the electric power consumed worldwide, and therefore energy-saving lighting equipment can significantly contribute to an overall reduction in energy consumption. Lighting equipment using white organic EL has been attracting attention as a flat light source with low electric power consumption. At the G8 Hokkaido Toyako Summit, the top winner of the Organic EL Lighting Design Competition, selected from public applications received by the Research Institute for Organic Electronics from across Japan, will be showcased in the Zero Emission House\*.

ZEONOR Film® used for this organic EL lighting is the film which has been specially processed using optical design and precision processing technologies developed by ZEON. Combining this specially processed ZEONOR Film® with organic EL lighting increases brightness and saves energy.

ZEONOR Film®, which uses the thermoplastic transparent resin COP (cyclo-olefin polymer, product name: ZEONOR®), was adopted for organic EL lighting due to COP's distinctive characteristics, including: (1) a refractive index nearly equivalent to glass; (2) high transparency; and (3) low moisture permeability.

ZEON intends to further contribute to the enhancement of next-generation lighting equipment using White LED and Organic EL by leveraging its optical design and precision processing technologies.

\* Zero Emission House is a near-future prototype house that increases overall comfort by making full use of superior Japanese technologies for industrialized houses. The technologies incorporated in the Zero Emission House showcase world-leading Japanese advances mainly in energy and environmental fields.



Organic EL lighting using ZEONOR Film®



Intensity and color of light can be freely adjusted.



Extraordinarily thin

 **For further information**

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