

**Lumiotec OLED Lighting Panels Adopted for Display Case  
At Nagasaki Museum of History and Culture**

Yamagata, Japan, November 14, 2012 – Organic light-emitting diode (OLED) lighting panels produced and marketed by Lumiotec Inc. have been adopted for a new display case at the Nagasaki Museum of History and Culture (<http://www.nmhc.jp/>) in Nagasaki City. This event marks the world’s first installation of OLED lighting panels in a permanent display at a public museum\*1.

The lighting panels newly adopted by the Nagasaki Museum are Lumiotec latest P06 Series of OLEDs, acclaimed for their outstanding color rendering\*2. Due to the complete absence of UV and Infra-red rays and their extremely low heat emission, these OLEDs are totally harmless to the displayed items. Thanks also to the world’s highest level of color rendering reached by these lighting panels they can reproduce faithfully the artworks’ original colors.

The new display case features 18 OLED lighting panels, respectively 9 in the upper and lower parts. As the light intensity of the panels can be adjusted, visitors will be able to appreciate at each time the fine nuances of the various exhibited item. The fabrication of the new display case has been realized in cooperation with the company NOMURA Co., Ltd. based in Tokyo.

On November 14 Nagasaki Museum of History and Culture will inaugurate the case exhibiting for the first time one of its most valuable historical items: the “Incense burner, Green jade, Qing Dynasty.”

OLED lighting panels offer a number of significant advantages over conventional light sources. These include their surface-emitting property, their ultra-thin and lightweight configuration, their ability to reproduce soft light uniformly, their total absence of harmful substances such as mercury, and their effectiveness in reducing carbon dioxide (CO<sub>2</sub>) emissions as a result of their improved energy efficiency. For these reasons, OLED lighting panels are widely expected to become the next generation of lighting sources.

**Advantages of OLED lighting panels include:**

- No damage to exhibits, owing to absence of ultraviolet rays and generation of minimum heat
- Thin, lightweight and very easy to install
- Outstanding color reproduction, ideally suited for exhibition lighting
- Surface-emitting, uniform soft light
- Configured to be perfectly integrated and allow easy viewing

**Major Specifications of Display Case**

Dimensions (mm)	W800 × D800 × H2150
Effective display area (mm)	W650 × D650 × H1150
Humidification	Airtight
Lighting	Ceiling and floor lights (individually adjustable)
Light source	OLED lighting panels (P06 Series)



\* Notes

1. Based on a Lumiotec in-house survey.
2. The Index of color reproducibility: the higher is the index, the closer the reproduced colors approach to natural light (=100). Two indexes exist: a general color rendering index, which expresses the average 8 test colors; and a special color rendering index, which expresses 7 individual test colors including red, green and flesh color.

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