

Lumiotec OLEDs Light the National Museum of Nature and Science in Tokyo

Yamagata, Japan, April 5, 2012 –OLED lighting panels by Lumiotec Inc., leader in the production of OLEDs, have been selected to light the displays of “Monozukuri Exhibition” at the National Museum of Nature and Science in Tokyo, Japan. The temporary exhibit, that took place from March 20 to April 8, featured the winners of the 4th Monozukuri Nippon Grand Awards, among other displays.

Lumiotec OLED lighting panels were chosen to light the exhibition due to their many features as the high luminance, the large light emitting area and very low emissions of heat and especially the total absence of Ultra Violet rays. KEISURI Creation Corp. is the company which created the display system for this exhibition. They integrated Lumiotec extremely thin OLED panels right into the surfaces of the displays so that the soft light produced by the OLEDs can illuminate the objects from below, making them standing out beautifully.

OLED lighting panels offer various qualities all together that neither conventional light sources, such as incandescent bulbs or fluorescent tubes, nor light-emitting diodes (LED) can provide:

- lightness
- thinness
- surface light emission
- uniformity, soft non-glaring light
- no ultraviolet rays
- no harmful substances such as mercury
- low energy consumption, which helps to reduce CO₂ emissions

When used in displays, OLED panels provide these significant advantages:

- Surface light emission create uniform lighting.
- The light produced is soft and not glaring even when the light source is visible to viewers.
- The thin lightweight panels can be integrated easily into display surfaces.
- OLED lighting panels do not interrupt viewers’ lines of sight, making it possible to design displays in ways that will facilitate viewing.
- Since they emit no ultraviolet rays and very little heat, OLEDs will not harm the objects on display.
- Superior color reproduction compared with other lighting sources makes OLEDs suitable for lighting artworks and other objects where color accuracy is a priority.



Specifications of OLED Lighting Panels Supplied for Monozukuri Exhibition

Product number	P03B0909N-A12A
Size (mm)	145 x 145 x 2.3
Weight	107g
Brightness	3,000cd/m ²
Color temperature	4,900K
Color rendering properties	Ra81
Panel life (brightness half-life)@3,000cd/m ²	20,000h



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