Lumiotec

Lumiotec OLED Panels Adopted to Illuminate Special Exhibition At Osaka City Museum of Fine Arts - Seductive Smiles: Masterpieces of ukiyo-e paintings from the Weston Collection -

Yamagata, Japan, April 14, 2015 – Organic light-emitting diode (OLED) lighting panels (P07 Series) made by Lumiotec Inc. have been adopted to illuminate a Special Exhibition "Seductive Smiles: Masterpieces of ukiyo-e paintings from the Weston Collection" [1] currently held in Osaka City Museum of Fine Arts. The OLED panels are adopted to illuminate 9 exhibition cases.

Lumiotec's P07 Series OLED panels provide the world's highest standard of color reproductivity[2] that enables vivid presentation of color variations plus soft, uniform, surface-radiated light that causes minimal reflection of the light fixture, creating a subdued exhibition environment. In addition, because the panels give off neither ultraviolet nor infrared rays, the light source generates heat evenly and with minimal rise in temperature.

Ukiyo-e is painted in elaborate by transcendental skill. To be seen ukiyo-e closely, thin cases are being used. (depth:40cm)
To be adopt the OLED to the thin case, we controlled light distribution of OLED.
With its properties, P07 OLED panels are able to set close to exhibits, creating light up effect with soft and uniform light causing minimal reflection.

Exhibition hall and its illumination were designed by DESIGN OFFICE io, and installation of the exhibition was handled by FUSHIMI KOHGEI Co, Ltd. .

PHOTO : Seductive Smiles: Masterpieces of ukiyo-e paintings from the Weston Collection (At Osaka City Museum of Fine Arts)

The adoption of OLED lighting panels to illuminate exhibits of this kind offers a number of salient advantages:

・The fine colors of the exhibited item are faithfully reproduced.

・There is minimal reflection of the lighting panels onto the exhibited items.

・Especially delicate items such as textiles and paper suffer less damage (fading, discoloration, etc.) than with conventional light sources[3] – due to the absence of ultraviolet light and the presence of minimal damage-causing wavelength components in visible light.

・Exhibits suffer less damage from heat or temperature changes than with use of conventional light sources – owing to the absence of infrared rays and radiant heat, plus minimal temperature rise by the light source itself.

・The emitted light is remarkably soft, so it is never distracting and can be used even at floor level.

・The panels are thin and lightweight and do not require significant installation space. They can easily be used to replace

conventional light sources in exhibition cases.

1 The exhibition runs from ’15 April 14 through June 21 at Osaka City Museum of Fine Arts.
<Scheduled to be held>
- ’15 July 11 through October 13 at Hokusai-kan (Nagano Pref.)
- ’15 November 20 through ’16 January 17 at Ueno Royal Museum (Tokyo)

2 Color Rendering Index (Ra) 93 (based on Lumiotec’s data)
3 Based on comparisons of the U.S. National Institute of Standards and Technology’s (NIST) “damage coefficient,” which assigns numerical values to degrees of paper discoloration; the lower the coefficient value, the smaller is the impact of a light source on an exhibition item. Whereas the damage coefficient of commercially available fluorescent lamps (neutral white) typically used in museums and art galleries is 0.012, the corresponding coefficient of the Lumiotec P07 Series panels is 0.008 (based on Lumiotec’s data).

LUMIOTEC:
Jointly founded by Mitsubishi Heavy Industries, Ltd. (MHI), ROHM Co., Ltd., Toppan Printing Co., Ltd., et al. in May 2008, Lumiotec Inc. is the world’s first company dedicated to OLED panels for use in lighting. Following the development of a device structure simultaneously achieving outstanding luminance and long service life – features long considered impossible to accomplish together – and the realization of a large-scale linear evaporation source type in-line deposition device, a mass production line was built in Yonezawa City, Yamagata Prefecture. In January 2011 Lumiotec became the first company in the world to manufacture and launch shipments of OLED panels for lighting applications.

Website: www.lumiotec.com

CONTACT:
Starting April 1, 2013, Lumiotec has entrusted all sales activities to its parent company,
Mitsubishi Heavy Industries, Ltd. (MHI):

Machinery, Equipment & Infrastructure Domain
Business Development Department
Business Strategy Division
Technology Development Group
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