

March 19, 2014

■ Start mass production and shipment of the OLED lighting module with a wet coating process for a light-emitting layer in March

Mitsubishi Chemical Corporation  
Pioneer Corporation

Mitsubishi Chemical Corporation (Headquarters: Chiyoda-ku, Tokyo; President: Hiroaki Ishizuka) and Pioneer Corporation (Headquarters: Kawasaki, Kanagawa prefecture; President and CEO: Susumu Kotani) announced that they had begun mass production and shipment of the OLED lighting module with a wet coating process for a light-emitting layer in March.

Last September Mitsubishi Chemical and Pioneer began shipping samples of the OLED lighting module with a wet coating process for a light-emitting layer. Mitsubishi Chemical and Pioneer had also been working on establishing mass production technology of the module. With the completion of mass production line, Mitsubishi Chemical and Pioneer started mass production and shipment in March.

This module measures 92.4 mm<sup>2</sup> externally (light-emitting part is approximately 76 mm<sup>2</sup>) and emits incandescent fluorescent light (color temperature: 2,870 K). It permits significantly lower manufacturing cost than conventional modules with a vapor deposition film formation process for the light-emitting layer.

The OLED lighting module with a wet coating process for a light-emitting layer is manufactured by Pioneer OLED Lighting Devices Corporation (Located in Yonezawa, Yamagata Prefecture; President: Gen Inoshita), a wholly owned subsidiary of Pioneer Corporation, and distributed by MC Pioneer OLED Lighting Corporation (Headquarters: Shinjuku-ku, Tokyo; President: Satoshi Muroyama), a joint venture of Mitsubishi Chemical and Pioneer.

Mitsubishi Chemical and Pioneer will continue to actively propose applications for OLED lighting, capitalizing on its benefits such as surface emission, slim dimensions, and light weight for full-fledged operation of OLED lighting business.



OLED lighting module with a wet coating process for a light-emitting layer

◆Performance indication of OLED lighting module with a wet coating process for a light-emitting layer (white monochromatic type)

Type		Module with built-in circuit (constant current circuit)	
Max luminance (cd/m <sup>2</sup> ) *1		3,000	2,000
Color temperature (K) *2		2,870 (incandescent fluorescent light)	
Size (mm)	External dimensions	92.4 × 92.4	
	Light-emitting part	≥ 76 × 76	
	Thickness	4.3	
Weight (g)		42	

\*1 Luminosity: Brightness of a light emitter per unit area; stated in candela per square meter (cd/m<sup>2</sup>)

\*2 Color temperature: A scale for expressing colors of light with quantitative value; stated in Kelvin (K) thermodynamic temperature

\* The values indicated above are reference values and do not guarantee the product's performance.

Inquiries	
<b>Public Relations and Investor Relations Office</b> <b>Mitsubishi Chemical Holdings Corporation</b>  Tel: +81-3-6748-7140	<b>Public Relations Department</b> <b>Corporate Communications Division</b> <b>Pioneer Corporation</b>  Tel: +81-44-580-1003