

■ Specifications

Correlated color temperature	3,000K		4,000K
	Standard	High color rendering	High color rendering
CRI	86	93	92
Power efficiency	40 lm/W	36 lm/W	29 lm/W
Luminance	3,000 cd/m²	3,000 cd/m²	3,000 cd/m²
Forward current*2	210 mA	250 mA	290 mA
Forward voltage*2	7.0 V	6.9 V	7.2 V
Power consumption*2	1.5 W	1.7 W	2.1 W
Thickness*3	1.05mm (0.04")	1.11mm (0.04")	

\*1 Values for 80 × 80 mm (3.15") panels.  
\*2 Does not include the thickness of the connectors.  
\* Various thicknesses are also available. Please contact Kaneka at the locations indicated below for more information.

■ Lineup

Type	80 × 80 mm (3.15") panels	100 × 100 mm (3.94") panels*4	Rectangle panels
External dimensions	L90 mm (3.54") × W90 mm (3.54")	L116 mm (4.57") × W116 mm (4.57")	L143 mm (5.63") × W23 mm (0.9")
Light-emitting area	L80 mm (3.15") × W80 mm (3.15")	L100 mm (3.94") × W100 mm (3.94")	L137.5 mm (5.41") × W15.1 mm (0.59")
Total luminous flux*3	60 lm	97 lm	19 lm

\*3 For luminance of 3000 cd/m².  
\*4 Only for 3000K standard type  
\* Please contact us for the latest information. Our contact information is indicated below.  
\* A mirror surface panel is also available.  
\* A mirror surface panel has different optical specification from the values on the above specification table.  
Please contact Kaneka at the locations indicated below for more information.

■ Driver compatibility

Constant current drive/PWM drive

- The specifications and designs in this catalog are subject to change without prior notice.
- The product specifications and figures are typical values and are not guaranteed.
- As the photographs are from digital data, the actual product colors may differ slightly.

■ Contact

KANEKA CORPORATION

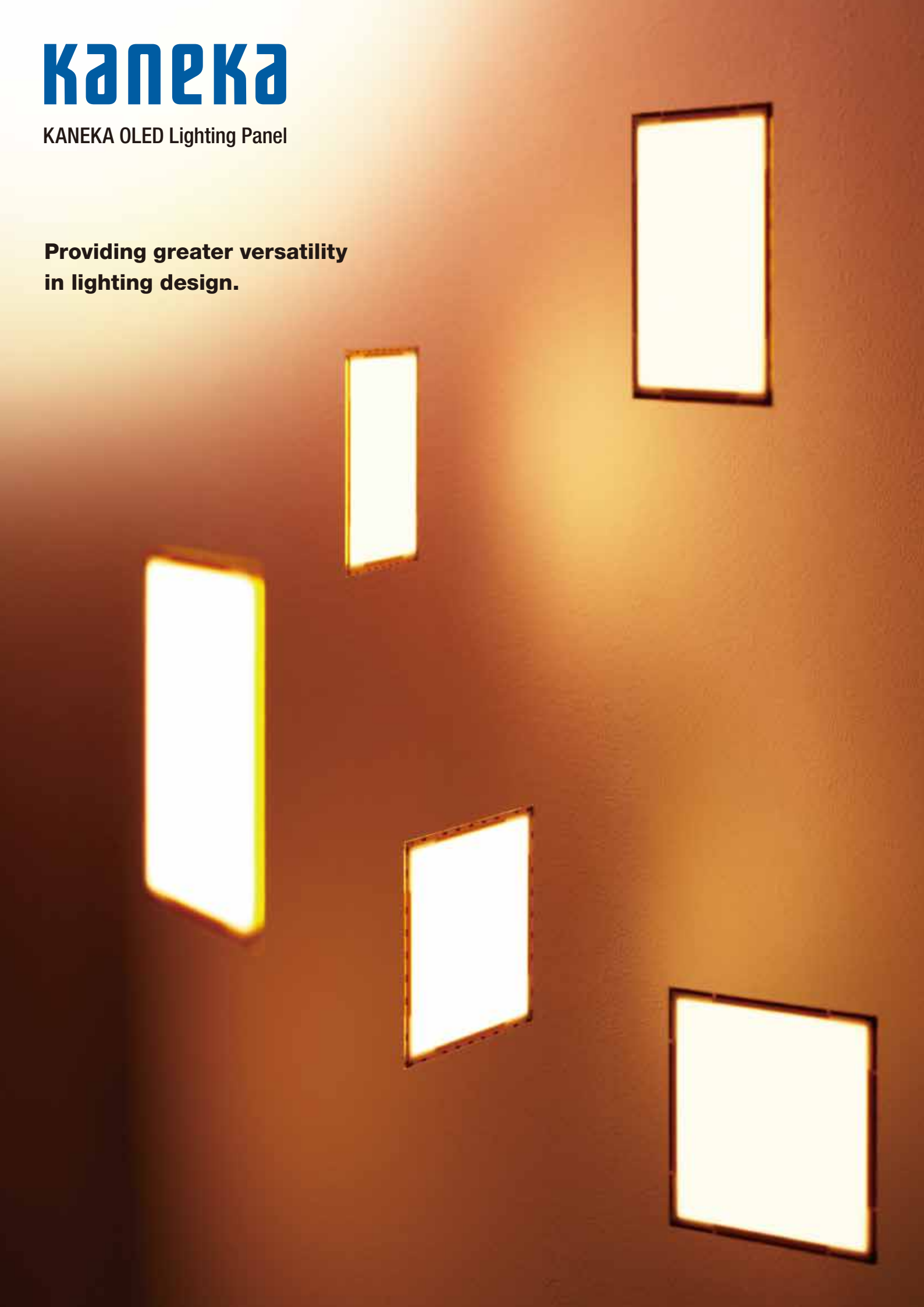
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KANEKA

KANEKA OLED Lighting Panel

Providing greater versatility  
in lighting design.

# Only 1.1 mm, long life, High color rendering. Providing greater versatility in lighting design.

Panel light sources allow you to do things  
not possible with point light sources.

Thin  
and  
light

1.1mm<sup>\*1</sup>

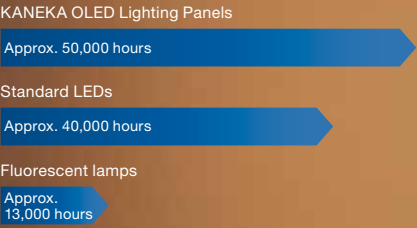
Kaneka's original encapsulation technology is used to produce panels with a thickness of 1.1 mm<sup>\*1</sup>. This is about half the thickness of panels produced by using standard glass sealing methods and the panels are lightweight, weighing only 18 g<sup>\*2</sup>. KANEKA OLED Lighting Panels can be integrated into walls and shelves, and used as undershelf lighting to save space. Emitting light in many directions, these panels allow for design versatility.

<sup>\*1</sup> Does not include the thickness of the connectors.  
<sup>\*2</sup> For an 80 × 80 mm (3.15") panel  
Does not include the weight of the connector.

Long life

50,000hrs<sup>\*1</sup>

The challenge facing OLED (Organic Light Emitting Diode) lighting was how to extend its life span. In an industry where standard LEDs only last about 40,000 hours<sup>\*2</sup>, the life span of Kaneka OLED lighting panel-3000K standard type is simulated as 50,000 hours<sup>\*1</sup>. If you use KANEKA OLED Lighting Panels for ten hours a day, they will still last over ten years.



<sup>\*1</sup> According to Kaneka simulation methods  
Under conditions of average luminance lifetime LT70  
For 3000K standard type panel  
<sup>\*2</sup> According to Kaneka sources

High color  
rendering

Ra > 90

Kaneka leverages its spectrum control technology to produce OLED lighting panels with excellent color rendering—greater than Ra 90. Even when the lighting panel is nearing the end of its life, there is minimal change in rendering performance. This is a suitable source of light for reproducing natural colors.



<sup>\*</sup> The closer the Ra (general color rendering index) is to 100, the closer the subject's appearance is to its natural colors.

## Spaces are filled with engaging light.

Warm surface light sources fill spaces with engaging light, providing a sense of peace and harmony. KANEKA OLED Lighting Panels are suitable for hotels, bars, restaurants and other locations where people want to unwind. KANEKA OLED Lighting Panels are slim enough to be integrated into walls or under shelves, creating for an unobtrusive lighting source that does not interfere with the design.

Ideal for Hotels, bars and restaurants that require a peaceful atmosphere.

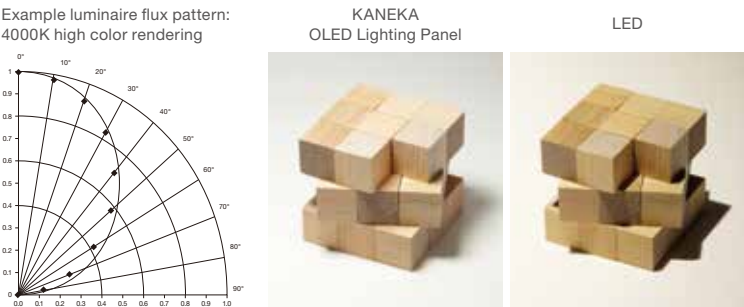


Bottom left: Real-life example of how KANEKA OLED Lighting Panels are used.  
Top left and right: Usage illustrations.

## Light is dispersed widely and eliminates harsh shadows.

Light is emitted evenly from the surface, covering whole objects in a warm light and eliminating harsh shadows. KANEKA OLED Lighting Panels are feasible for displays, allowing products to be shown in a beautiful light. They are also good for use as desk and reading lights because they soften the shadows made by your hands and other objects.

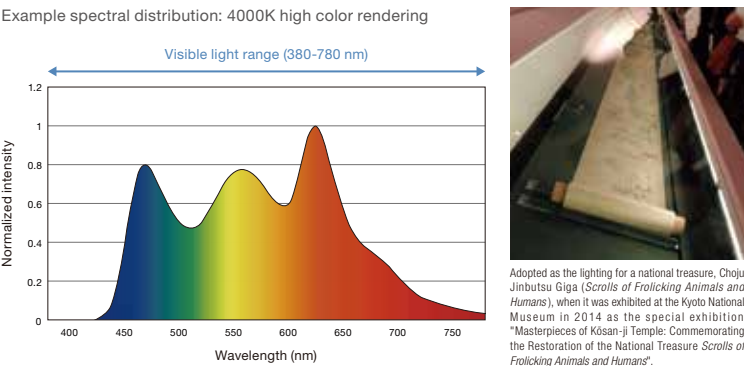
Ideal for Illuminating product displays, and use as desk lights and reading lights.



## Gently light delicate items.

The light emitted from KANEKA OLED Lighting Panels contains no ultraviolet rays and the panels themselves do not become hot, making them appropriate for illuminating delicate items. Our lighting panels can be used at photography and painting exhibitions and to light products in stores that are susceptible to environmental changes, such as food items.

Ideal for Display cases in museums, lighting fixtures and under shelves.



## User-friendly connector.

KANEKA OLED Lighting Panels use a simplified connector that does not require soldering. The panels can be connected to power sources simply by inserting the wires into the connectors. Wires can be removed just as easily, simply by pressing the lever on the connectors.

