

Bendable OLED Lighting Technology (Lumicurve Wave)



OLEDWorks LumiCurve OLED Light Technology

Wave

Now it's time to bend!

After the huge success of the brightest OLED Lighting portfolio Lumiblade, with the already third generation and further improvements in efficacy and lifetime, OLEDWorks introduces the new OLED lighting family LumiCurve. For the first time ever, the panel is flexible to a minimum radius of 10 cm while still providing the high brightness and high reliability of the Lumiblade panels.

The only flexible panel on the market processed on 0.1mm thin Corning Willow® glass allowing the total thickness of the panel to be just about 0.6mm. That thinness offers completely new opportunities and application areas. The integration of light becomes as easy as handling a piece of paper. And at the same time being still very bright and reliable that it can easily fulfil the requirements of a functional light source.

The LumiCurve Wave is the perfect combination of design freedom and excellent light performance - let the Wave of innovation begin!

The new advantages of the Lumicurve Wave:

Flexible: In total about half a millimeter thin – minimum bending radius 10 cm

Bright: Unique high brightness of more than 8,000 cd/m² and light output of 300 lumen

Beautiful: Available like the whole Lumiblade portfolio in 3,000K and 4,000K with the high CRI of 90

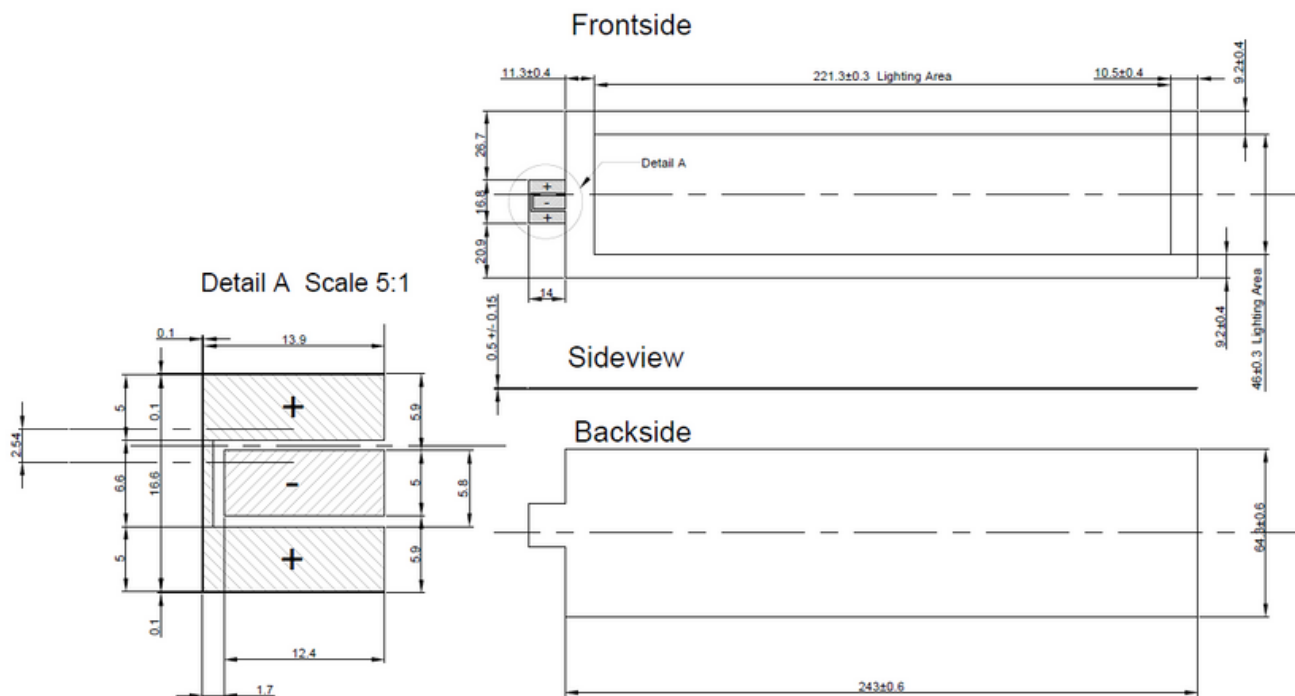
The well-known advantages of the OLED Lighting panels:

- Brightest flexible OLED panel commercially available with up to 300 lumens
- Thin Film Encapsulation for ultimate reliability
- Available in 3,000K and 4,000K
- Ideal for applications in functional general lighting systems
- All the known advantages of OLED technology: – thin – homogenous – instant glare free

Wave 3000K & 4000K



Integration level	Wave 3000K Level 1	Wave 4000K Level 1
Current	300mA (120mA @100lm/3,000cd/m ²)	300mA (120mA @100lm/3,000cd/m ²)
Voltage	19.6V	21.0V
Power consumption	5.1W (1.5W @100lm/3,000cd/m ²)	6.3W (2.3W @100lm/3,000cd/m ²)
Lumen	300lm	250lm
Lumen efficacy nominal	57lm/W @300lm/8,300cd/m ² (63lm/W @100lm/3,000cd/m ²)	40lm/W @250lm/7,000cd/m ² (43lm/W @100lm/3,000cd/m ²)
Luminance nominal	8,300cd/m ²	7,000cd/m ²
Lifetime L70	10,000h @300lm/8,300cd/m ² (50,000h @100lm/3,000cd/m ²)	10,000h @250lm/7,000cd/m ² (50,000h @100lm/3,000cd/m ²)
Color temperature nominal	3,000K	4,000K
CRI nominal	>90 (R9 >50)	>93 (R9 >80)
Availability	Q3/2018	Q3/2018





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Standards, Compliance and Sustainability

OLEDWorks GmbH products are environmentally friendly by avoiding the use of hazardous materials and by providing efficient illumination.

This product fulfills the EU RoHS (2011/65/EU) directive.