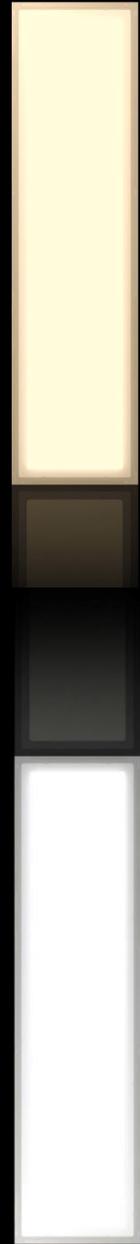
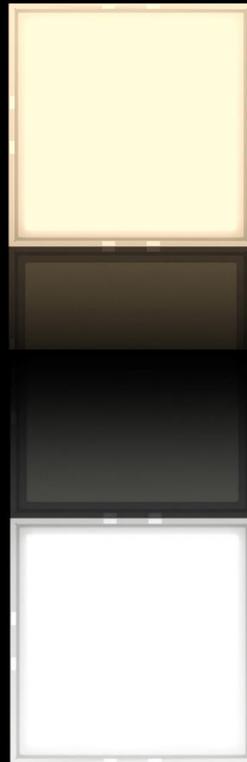


# Brite 3

# OLED Lighting Technology

A Healthy and Efficient Light Source in Three Shapes



# Brite 3 Family

## **OLED technology offers unique designs in lighting applications.**

When it comes to lighting, OLED inspires on a whole different level. The quality of the light itself in combination with its unique design characteristics, OLED lighting can be used to realize innovative applications and designs.

The third generation of the Brite family brings OLED further into functional lighting applications. With the luminous flux of up to 300 lumens, the Brite products are the brightest white OLED panel commercially available worldwide.

The rigid OLED panels are available in three shapes, rectangle, round, and square, and two color temperatures, 3000K and 4000K, making it easy to bring lighting into spaces and products that require high-function and beautiful illumination.

## **OLED is a human-centric light source.**

Lighting affects our well-being in many ways, from physiological impact to emotional response. OLED lighting delivers a positive experience for our health in multiple ways.

OLED light contains longer wavelengths of blue which are safer for our eyes than the high blue peaks found in LED lighting. It delivers the same amount of light as LED, in superior quality, with significantly less hazardous blue light.

Validated through the IEC standard for physiological risk of blue and infrared light – our OLEDs have no risk for skin and eyes and are rated as exempt for all photobiological risks.

## **OLED light is a naturally diffuse light source.**

OLED provides soft, yet bright full spectrum illumination resulting in artificial light that resembles daylight. It emits light from the entire surface area, rather than from one or multiple points. This presents a soft brightness and glare-free experience making it an ideal solution for comforting light able to be placed close to the user. Studies have shown that OLED lighting, in comparison to LED standards, also resulted in lower eye fatigue.



### Brite 3 Family 3000K

integration level	Brite 3 Square Level 1	Brite 3 Square Level 2	Brite 3 Rectangle Level 1	Brite 3 Rectangle Level 2	Brite 3 Round Level 1	Brite 3 Round Level 2
dimension outer	120.5mm x 120.5mm	127mm x 127mm	62.7mm x 240.6mm	70.2 mm x 248.1mm	113mm diameter	119mm diameter
dimension lit area	102.4mm x 102.4mm	102.4mm x 102.4mm	46.0mm x 222.0mm	46mm x 222mm	94mm diameter	94mm diameter
thickness	1.4mm	2.1mm	1.4mm	2.1mm	1.4mm	2.1mm
current	215mA (70mA @100lm/3,000cd/m <sup>2</sup> )				145mA (45mA @65lm/3,000cd/m <sup>2</sup> )	
voltage	18.7V				18.7V	
power consumption	4W (1.2W @100lm/3,000cd/m <sup>2</sup> )				2.7W (0.8W @65lm/3,000cd/m <sup>2</sup> )	
lumen	300 lm				200 lm	
lumen efficacy nom.	75lm/W @300lm/8,500cd/m <sup>2</sup> (85lm/W @100lm/3,000cd/m <sup>2</sup> )				75lm/W @200lm/8,500cd/m <sup>2</sup> (85lm/W @65lm/3,000cd/m <sup>2</sup> )	
luminance nom.	8,500cd/m <sup>2</sup>				8,500cd/m <sup>2</sup>	
lifetime L70	30,000h @300lm/8,500cd/m <sup>2</sup> (100,000h @100lm/3,000cd/m <sup>2</sup> )				30,000h @200lm/8,500cd/m <sup>2</sup>	
color temperature nom.	3,000K				3,000K	
CRI nom.	>90 (R9 >50)				>90 (R9 >50)	
availability	Q3/2018				Q3/2018	



### Brite 3 Family 4000K

integration level	Brite 3 Square Level 1	Brite 3 Square Level 2	Brite 3 Rectangle Level 1	Brite 3 Rectangle Level 2	Brite 3 Round Level 1	Brite 3 Round Level 2
dimension outer	120.5mm x 120.5mm	127mm x 127mm	62.7mm x 240.6mm	70.2 mm x 248.1mm	113mm diameter	119mm diameter
dimension lit area	102.4mm x 102.4mm	102.4mm x 102.4mm	46.0mm x 222.0mm	46mm x 222mm	94mm diameter	94mm diameter
thickness	1.4mm	2.1mm	1.4mm	2.1mm	1.4mm	2.1mm
current	215mA (90mA @100lm/3,000cd/m <sup>2</sup> )				145mA (60mA @70lm/3,000cd/m <sup>2</sup> )	
voltage	19.6V				19.6V	
power consumption	4.2W (1.7W @100lm/3,000cd/m <sup>2</sup> )				2.8W (1.1W @65lm/3,000cd/m <sup>2</sup> )	
lumen	250lm				165 lm	
lumen efficacy nom.	57lm/W @250lm/7,000cd/m <sup>2</sup> (61lm/W @100lm/3,000cd/m <sup>2</sup> )				57lm/W @165lm/7,000cd/m <sup>2</sup> (61lm/W @65lm/3,000cd/m <sup>2</sup> )	
luminance nom.	7,000cd/m <sup>2</sup>				7,000cd/m <sup>2</sup>	
lifetime L70	30,000h @250lm/7,000cd/m <sup>2</sup> (100,000h @100lm/3,000cd/m <sup>2</sup> )				30,000h @165lm/7,000cd/m <sup>2</sup>	
color temperature nom.	4,000K				4,000K	
CRI nom.	>90 (R9 >75)				>90 (R9 >75)	
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.

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