



OLEDWorks OLED Panel
Brite FL300 Family
Product Sheet

The Brite FL300 OLED-Family

– the right OLED for every purpose

OLEDs inspire with their full-surface, high-quality light and their thin and barely noticeable heat.

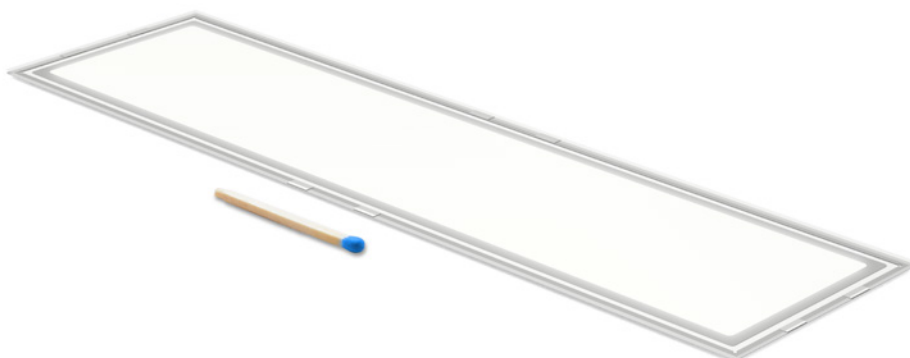
The most modern light source in the world is the ideal building block for unobtrusively integrating light into individual projects.

This is not necessarily limited to traditional lighting applications such as desk lamps or ceiling lights. OLEDs enable new applications beyond the familiar making light an integral part of the whole. An exciting development.

But precisely because each project and each product places different demands on the light source, OLEDWorks offers not only one OLED, but a whole family of them. All of them share the same quality of light. However, they differ in their shape or appearance when turned off. With the Brite FL300 ww, for example, users have access to the world's brightest commercially available OLED. Its 300 lumens enable first-time OLED applications in functional areas. With the Brite FL300 L, OLEDWorks provides the same performance in a rectangular form. Lighting solutions for shelves become child's play. Fi-

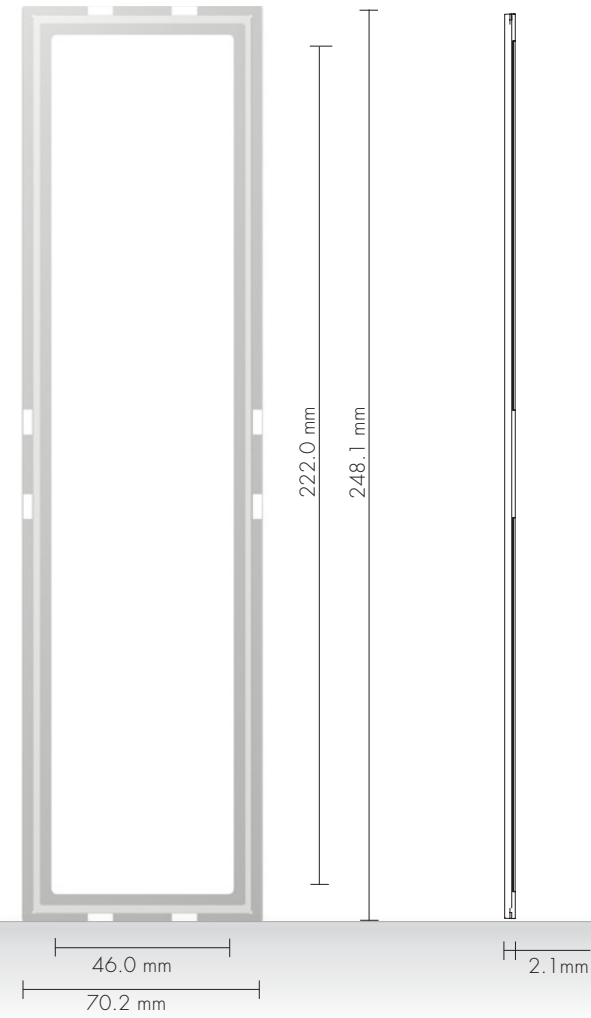


nally, with the FL300 wm and FL300 L wm, OLEDWorks serves all users who prioritize the aesthetic appearance of OLEDs in their off-state over the light's functionality. The OLED looks like a square or rectangular mirror.



OLEDWorks OLED Panel
Brite FL300 L ww

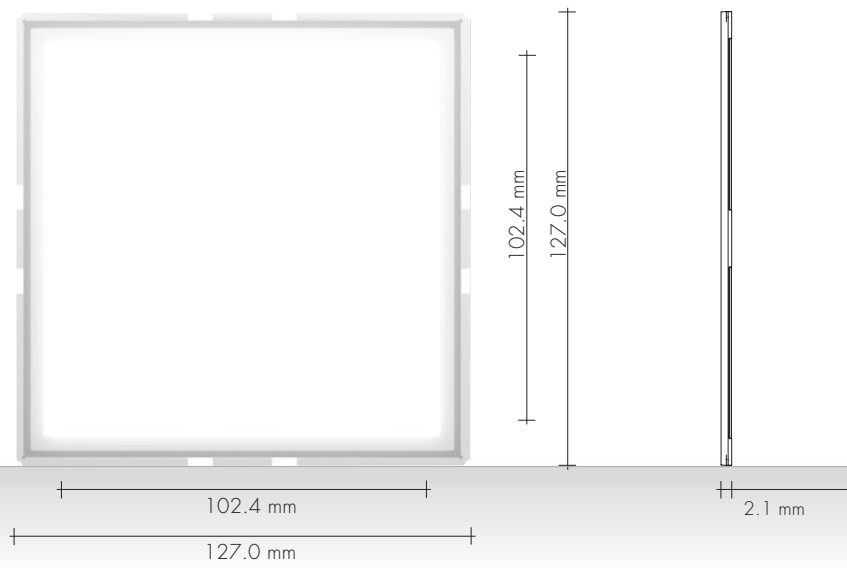
Functional OLED light for the first time in a rectangular shape.



Drawing shows FL300 L ww at integration level 2

OLEDWorks OLED Panel
Brite FL300 ww

The world's brightest commercially available OLED.



Drawing shows FL300 ww at integration level 2

OLEDWorks OLED Panel
Brite FL300 wm
Brite FL300 L wm

OLED lighting tile with decorative mirror surface in off-state.



Drawing shows FL300 wm and FL300 L wm at integration level 2

Brite FL300 L ww

| Integration level | 1 | 2 |
|--------------------|--|--|
| Name | OLED Panel Brite FL300 L ww Level 1 w/o Rset | OLED Panel Brite FL300 L ww Level 2 |
| Description | OLED panel with thermal interface, w/o wires and resistors | OLED panel with thermal interface, mounting plate, wires and resistors |
| Dimension outer | 62.7mm x 240.6mm | 70.2 mm x 248.1mm |
| Dimension lit area | 46.0mm x 222mm | 46.0mm x 222mm |
| Thickness | 1.4mm | 2.1mm |
| Current | 368mA | |
| Voltage | 20V | |
| Power consumption | 7.4W | |
| Lumen | 300 lm | |
| Lumen efficacy | 42lm/W at 300lm (46lm/W at 115lm) | |
| Luminance nom. | 8,300cd/m ² | |
| Lifetime L70 | 10,000h at 300lm (50,000h at 115lm) | |
| Color temp. nom. | 2,900K | |
| CRI nom. | 80 | |
| Color stability | 0.004 | |

Brite FL300 ww

| Integration level | 1 | 1 | 2 | 4 |
|--------------------|--|--|--|---|
| Name | OLED Panel Brite FL300 ww Level 1 | OLED Panel Brite FL300 ww Level 1 w/o Rset | OLED Panel Brite FL300 ww Level 2 | OLED Panel Brite FL300 ww Level 4 |
| Description | OLED panel with thermal interface, w/o wires | OLED panel with thermal interface, w/o wires and resistors | OLED panel with thermal interface, mounting plate, wires and connector | OLED panel with thermal interface, mounting plate, housing, wires and connector |
| Dimension outer | 120.5mm x 120.5mm | 120.5mm x 120.5mm | 127mm x 127mm | 127mm x 127mm |
| Dimension lit area | 102.4mm x 102.4mm | 102.4mm x 102.4mm | 102.4mm x 102.4mm | 102mm x 102.4mm |
| Thickness | 1.4mm | 1.4mm | 2.1mm | 3mm |
| Current | 368mA | | | |
| Voltage | 20V | | | |
| Power consumption | 7.4W | | | |
| Lumen | 300lm | | | |
| Lumen efficacy | 42lm/W at 300lm (46lm/W at 115lm) | | | |
| Luminance nom. | 8,300cd/m ² | | | |
| Lifetime L70 | 10,000h at 300lm (50,000h at 115lm) | | | |
| Color temp. nom. | 2,900K | | | |
| CRI nom. | 80 | | | |
| Color stability | 0.004 | | | |

Brite FL300 wm

Brite FL300 L wm

| Integration level | 1 | 2 | 4 | 1 | 2 |
|--------------------|--|--|--|--|--|
| Name | OLED Panel Brite FL300 wm Level 1 | OLED Panel Brite FL300 wm Level 2 | OLED Panel Brite FL300 wm Level 4 | OLED Panel Brite FL300 L wm Level 1 w/o Rset | OLED Panel Brite FL300 L wm Level 2 |
| Description | OLED panel with thermal interface, w/o wires | OLED panel with thermal interface, mounting plate, wires and connector | OLED panel with thermal interface, mounting plate, housing wires and connector | OLED panel with thermal interface, w/o wires and resistors | OLED panel with thermal interface, mounting plate, wires and connector |
| Dimension outer | 120.5mm x 120.5mm | 127mm x 127mm | 127mm x 127mm | 62.7mm x 240.6mm | 70.2 mm x 248.1mm |
| Dimension lit area | 102.4mm x 102.4mm | 102.4mm x 102.4mm | 102mm x 102mm | 46mm x 222mm | 46mm x 222mm |
| Thickness | 1.3mm | 2mm | 2.9mm | 1.3mm | 2mm |
| Current | 368mA | | | | |
| Voltage | 20V | | | | |
| Power consumption | 7.4W | | | | |
| Lumen | 190lm | | | | |
| Lumen efficacy | 26lm/W at 190lm (30lm/W at 74lm) | | | | |
| Luminance nom. | 3,800cd/m ² | | | | |
| Lifetime L70 | 10,000h at 190lm (50,000h at 74lm) | | | | |
| Color temp. nom. | 2,500K | | | | |
| CRI nom. | n/a (due to color over angle) | | | | |
| Color stability | n/a (due to color over angle) | | | | |




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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.