

opixs

Design software for innovative display concepts



Explore novel subpixel arrangements

Reduce display power consumption

Mitigate efficiency roll-off

Maximize color gamut

Parameters

- Subpixel concept:
 - vertical, lateral or mixed arrangements
 - RGB, RGBW or advanced booster subpixels
- Active area, fill factor
- Subpixel JVL characteristics and CIE specs
- Displayed content, e.g. user-defined images

Key Figures

- Detailed power consumption prediction
- Pixel driving power statistics
- Voltage, current, and power maps

Advantages

- Cover wide color gamut with highest efficiency
- Maximize battery life of portable devices
- Increase OLED pixel lifetime
- Tailor-made OLED design for target application

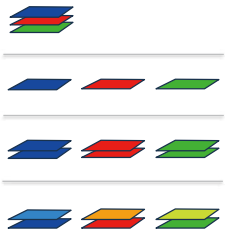
www.fluxim.com



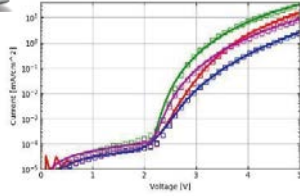
Subpixel design and optimization workflow with opix



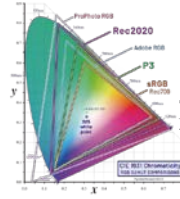
Interactive software to explore novel display concepts



Subpixel characteristics



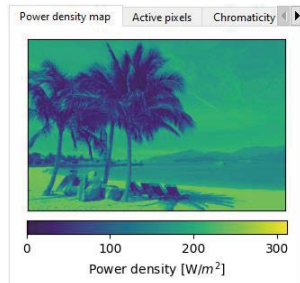
Color space



Displayed content



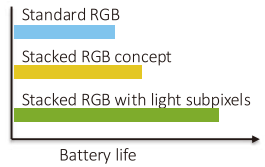
Detailed power consumption prediction



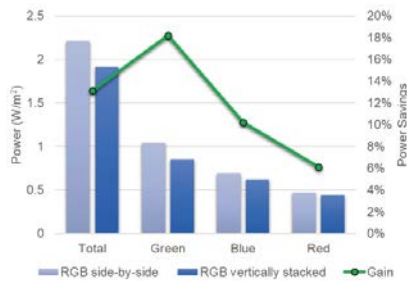
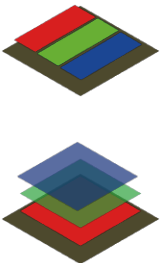
Optimized subpixel configuration



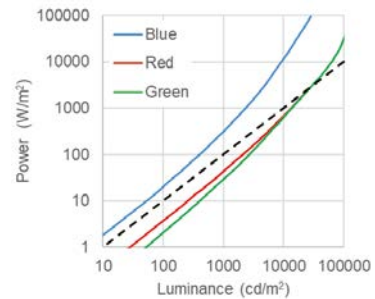
Battery life



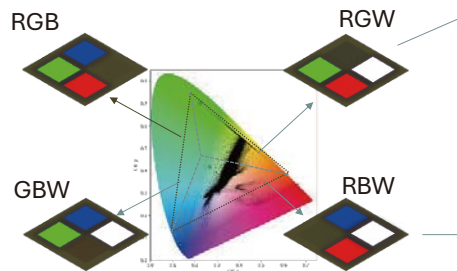
Example: Stacked vs. Lateral RGB



Display Power & Power Savings



Subpixel Power



Subpixel Combinations

