

The JOLED is the only company for medium sized 4K OLED in the world

# PRODUCT BRIEF

## JOLED Specification

JOLED



# JOLED Specification



Screen Size	14 inches	22 inches	27 inches	32 inches
Screen Dimensions (W/H/D)	309.1 x 173.9 x 354.7mm	478.1 x 268.9 x 548.5mm	596.2 x 335.3 x 684.0mm	697.9 x 392.6 x 800.7mm
Resolution	1,920 (RGB) x 1,080 (157ppi)	3,840 (RGB) x 2,160 (204ppi)	3,840 (RGB) x 2,160 (163ppi)	3,840 (RGB) x 2,160 (139ppi)
Peak Luminance	250cd/m <sup>2</sup>	350cd/m <sup>2</sup>	540cd/m <sup>2</sup>	540cd/m <sup>2</sup>
Contrast Ratio	1,000,000 : 1	1,000,000 : 1	1,000,000 : 1	1,000,000 : 1
Panel Thickness (Thinnest)	1.5mm (TBD)	1.3mm	1.3mm	1.3mm
Weight	530g (TBD)	500g	850g	1,100g
Interface	LVDS	eDP 4 Lane	eDP 4 Lane	eDP 4 Lane

Panel module configuration

Panel / T-CON

# JOLED advantages



Characteristics (vs LCD)	JOLED	LCD
Contrast ratio >1,000times	Min 1,000,000:1	1,000:1
Color Gamut sRGBu'v'(CIE1976) >1.2times	138%	100%
Response time (tr+tf) >100times Black ⇄ White	0.1ms	15.7ms
Luminance view angle (45°) Luminance >1.2times Contrast ratio >2,500times	65% Min 1,000,000:1	53% 380:1
Blue light <0.6times	0.58	1.00
Module weight (27") <0.3times	850g	3,130g

\*Our measurements with an average product

## Contrast ratio

## Perfect jet-black by contrast ratio of 1,000,000:1

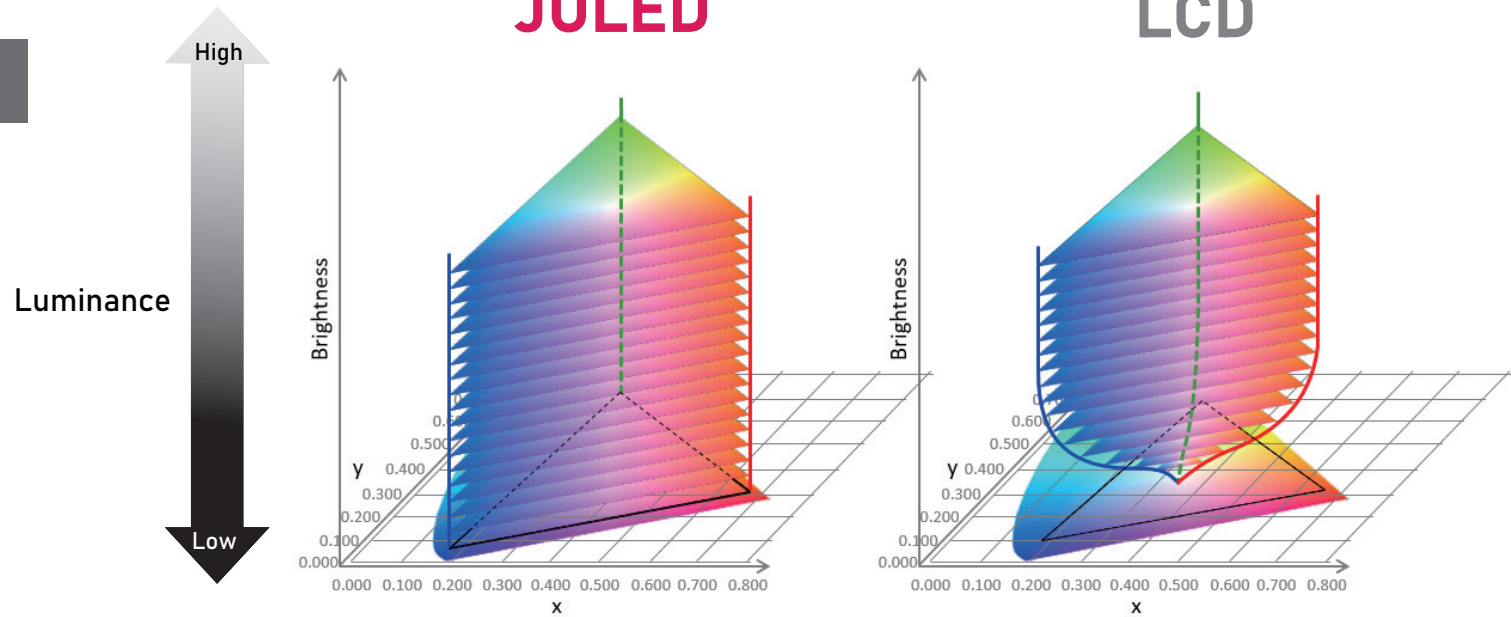
**JOLED**

**LCD**



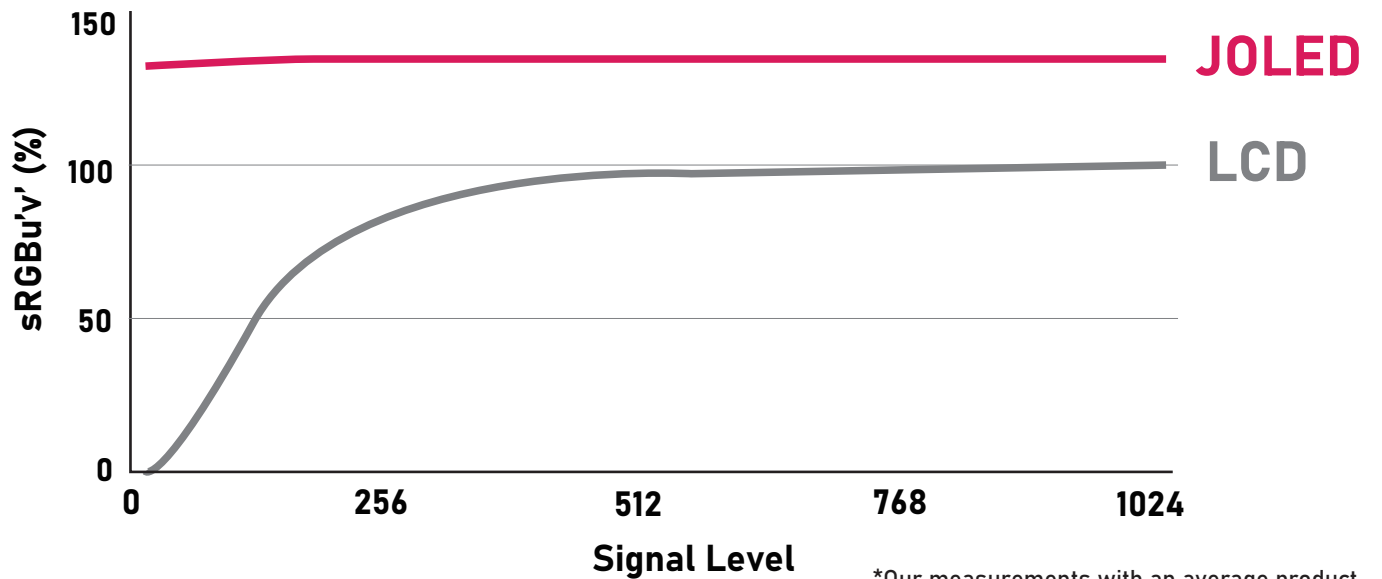
\*Our shooting with an average product  
Taken in a dark room  
Shutter Speed : 250 (1/250 sec)  
ISO sensitivity : 12800  
White Balance : 6000~6500K  
F Value : 3.5

## Color gamut



\*These charts are for illustrative purposes

## High color gamut in any luminance



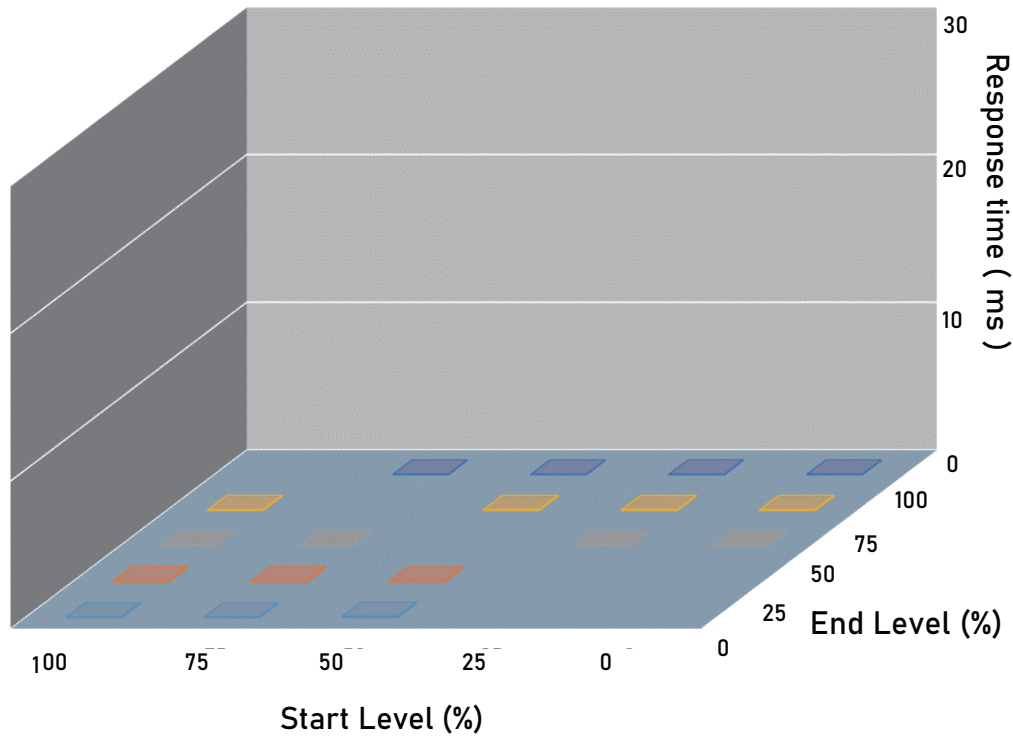
\*Our measurements with an average product

## Response time

## 100times fast response time

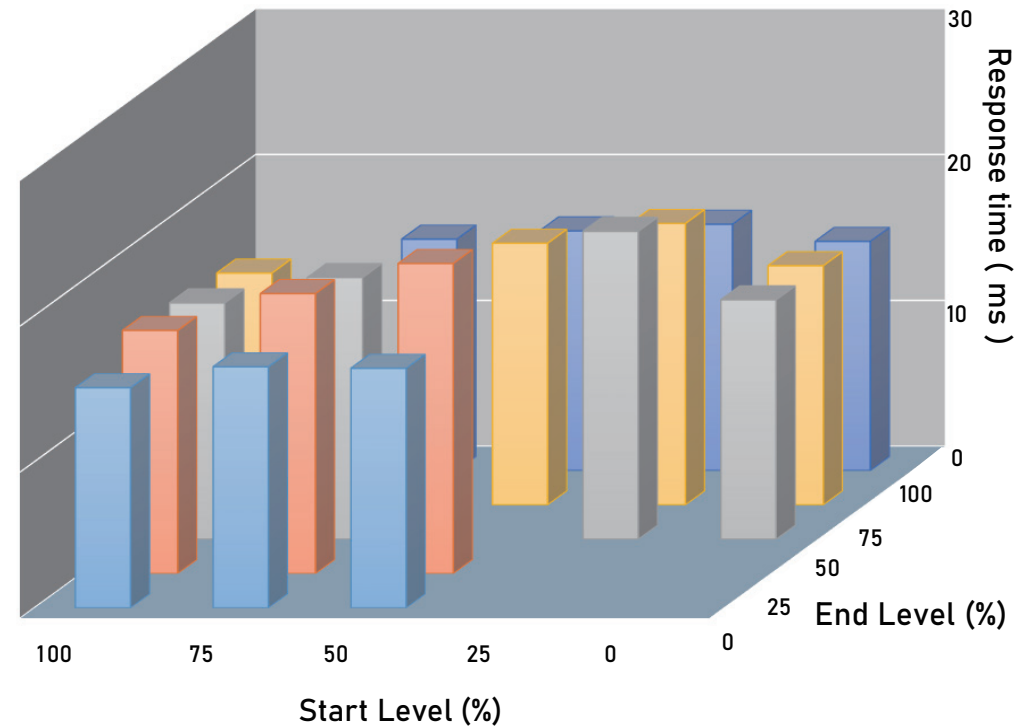
\*Our measurements with an average product

### JOLED



Black ⇌ White: 0.1ms

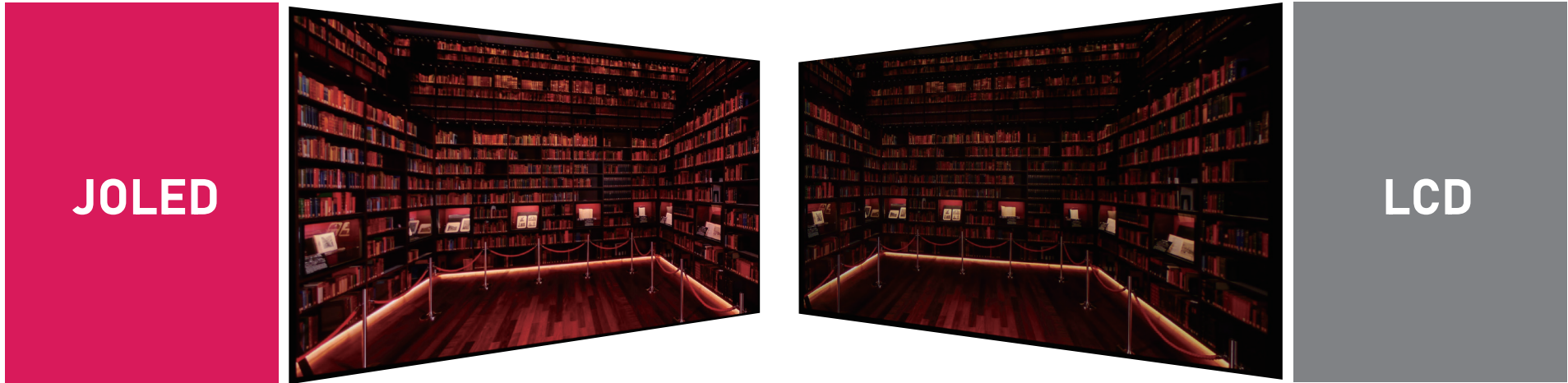
### LCD



Black ⇌ White: 15.7ms

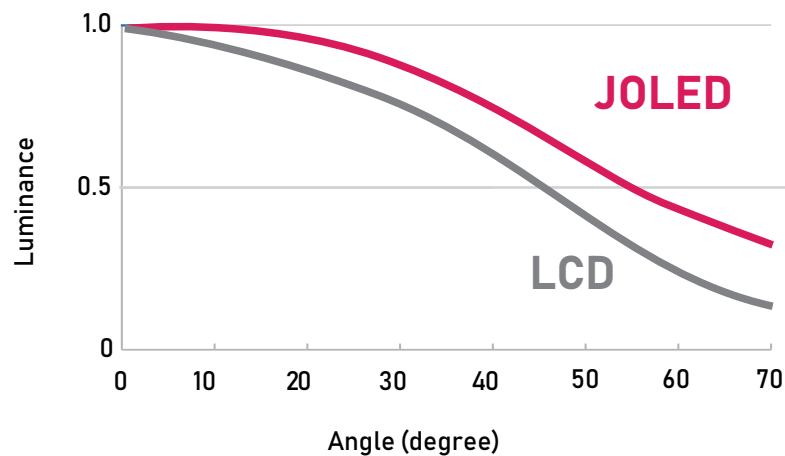
## Luminance view angle

## High contrast ratio in any view angle

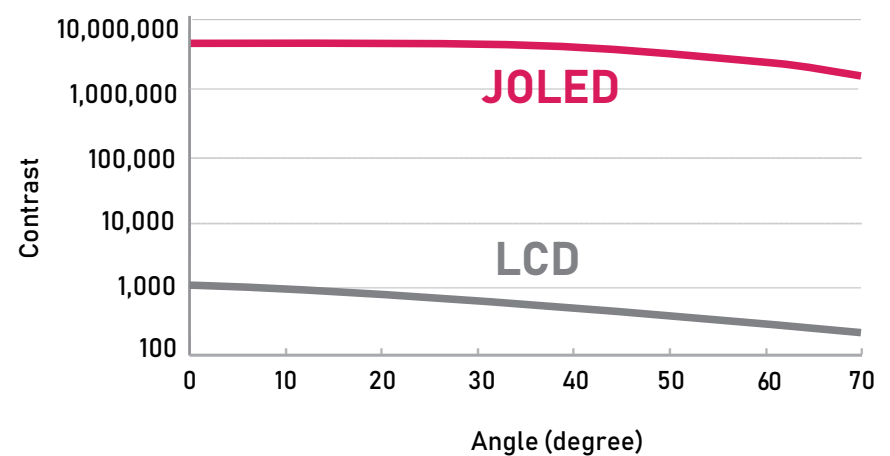


\*Our shooting with an average product

### Luminance



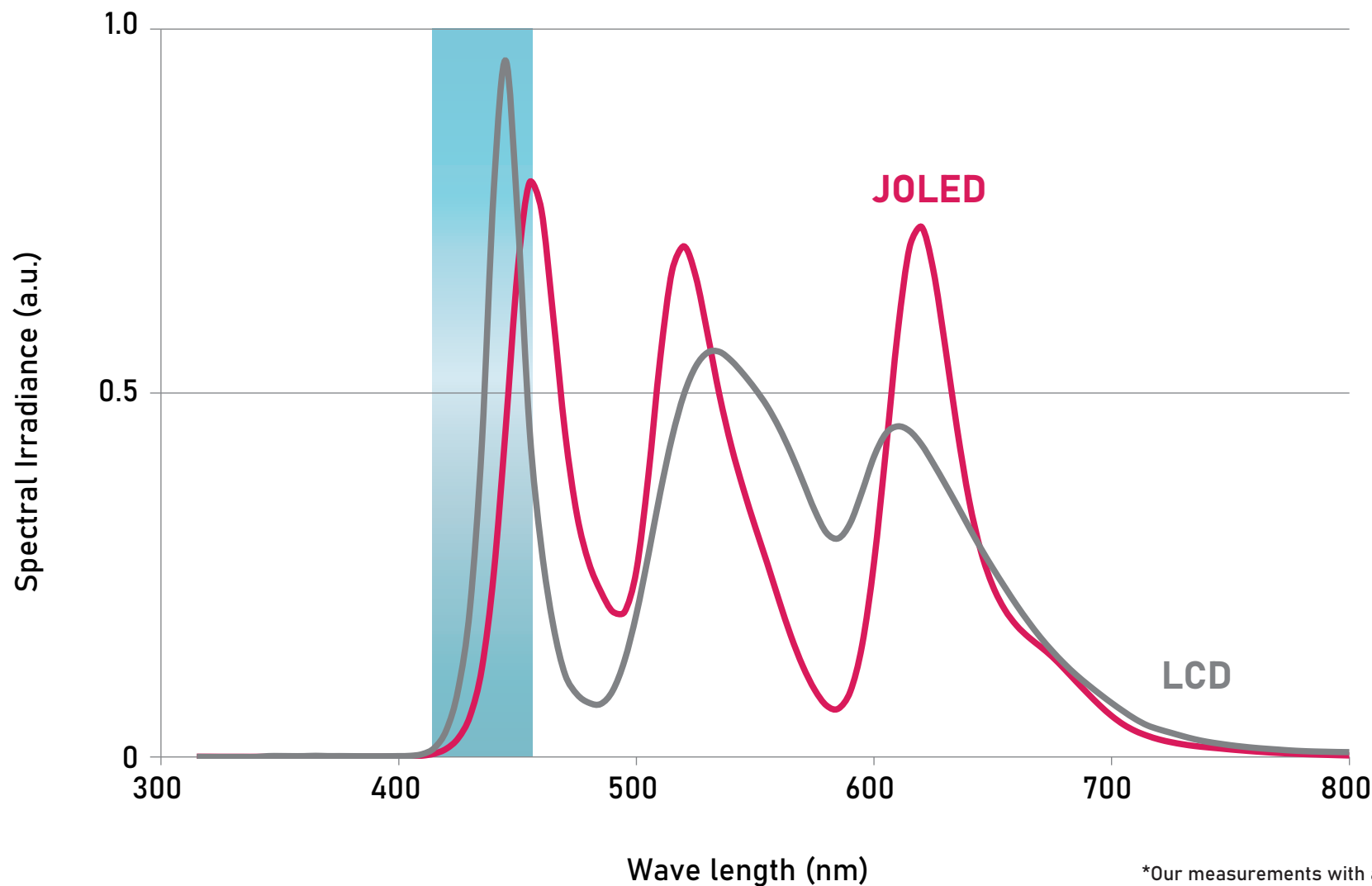
### Contrast ratio



\*Our measurements with an average product

## Blue light

### Easier on the eyes by reducing blue light 40%



\*Our measurements with an average product

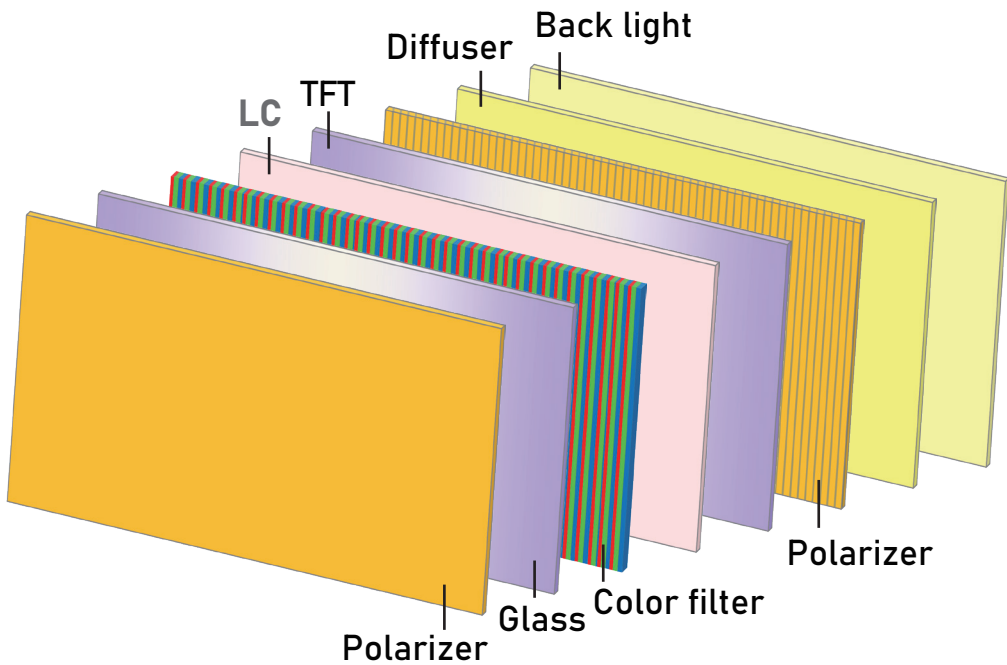
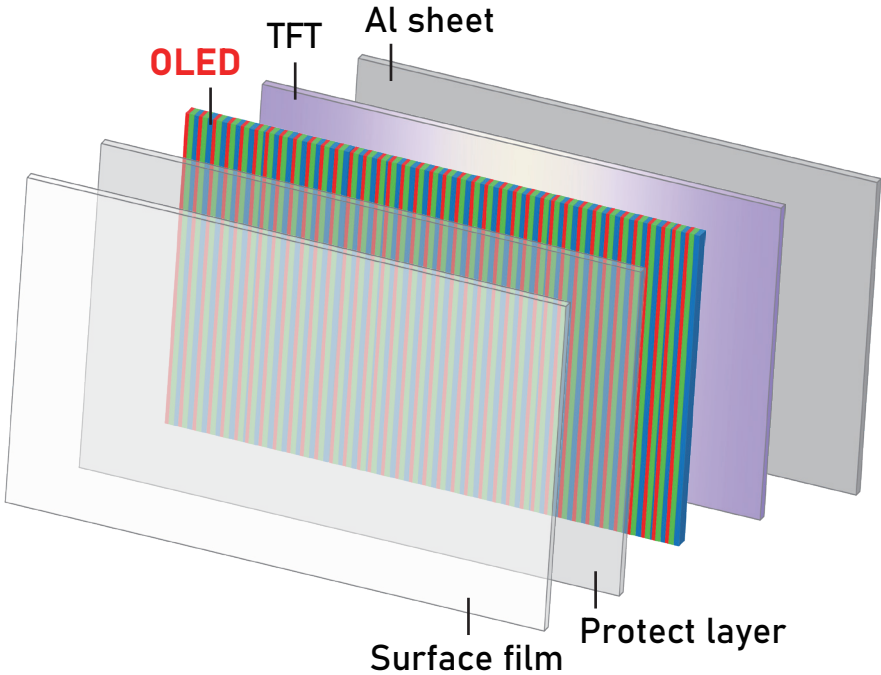


## Light weight

## Light weight and ultra-thin by simple structure

### JOLED

### LCD



\*The structure of an average product