

# Technical Bulletin

**Date:** February 4, 2013

**Topic:** Performance of enhanced LCD panels versus standard LCD panels.

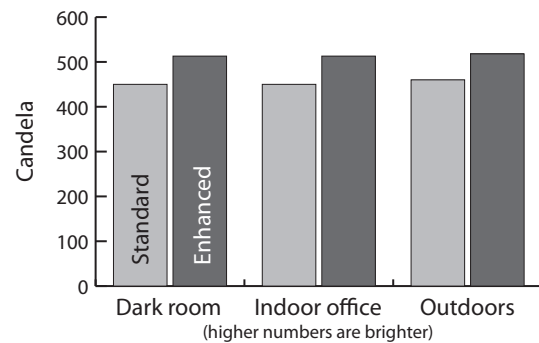
**Background:** FSN Medical Technologies constantly looks for ways to upgrade its products. We have developed a process, seeking to improve picture quality, and applied it to our LCD displays.

**Result:** These enhanced LCD panels show an improvement in contrast ratio and brightness, plus improved humidity resistance and breakage resistance.



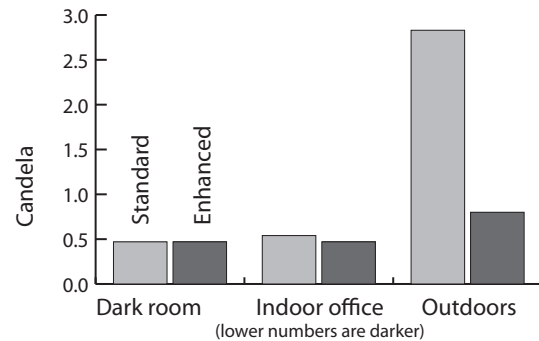
## Comparison item: Brightness, white

	Standard LCD (cd/m <sup>2</sup> )	Enhanced LCD (cd/m <sup>2</sup> )
Dark room	450	513
Indoor office	450	543
Outdoors	460	518



## Comparison item: Brightness, black

	Standard LCD (cd/m <sup>2</sup> )	Enhanced LCD (cd/m <sup>2</sup> )
Dark room	0.47	0.47
Indoor office	0.54	0.47
Outdoors	2.83	0.80



## Comparison item: Contrast ratio

	Standard LCD (cd/m <sup>2</sup> )	Enhanced LCD (cd/m <sup>2</sup> )
Dark room	957.4:1	1091.5:1
Indoor office	833.3:1	1091.5:1
Outdoors	162.54:1	647.50:1

