



HIGH BRIGHT OPTIONS DATA SHEET

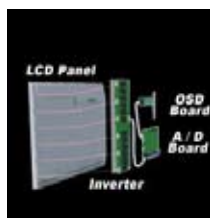
High Bright - Active and Passive Luminance Enhancements

To Actively and Passively enhance an LCD's Luminance is to apply optical principle that bring the native Luminance (that with witch a panel comes from the factory) to a higher value.



High Bright using CCFL (Active)

One Luminance enhancement is to add more CCFL's (Cold Cathode Fluorescent Lamps) to the LCD this is accomplished by removing the back light system of the LCD and adding or changing the CCFL's to increase the NIT value. In some cases this method can increase the Nit value by 3x, 5x, or 10x depending on the optical characteristics of the LCD. Typical High Bright LCD's have NIT values ranging from 600 - 2000 NITS.



High Bright Using LED (Active)

This method of High Bright Enhancement replaces the CCFL backlight system with either edge Placed LED (light Emitting Diodes) or an array of LED's covering the back surface of the LCD. This method is more expensive at present due to the current price of LED's and the number of LED's which are required. It is also one of the most efficient in view of power Consumption. Typical High Bright LCD's have NIT values ranging from 600 - 2000 NITS.

