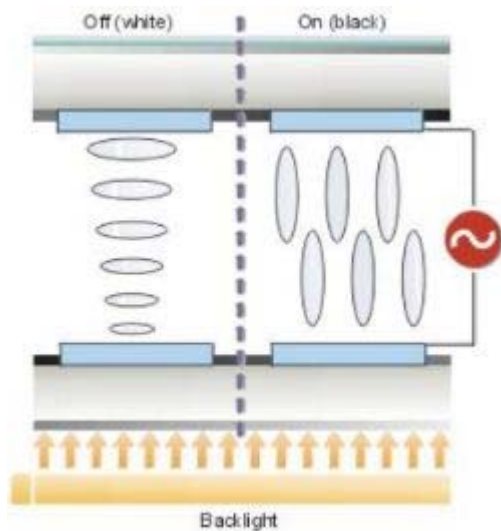




## FSTN



FSTN – Film Compensation Super Twisted Nematic. LCD with an extra film added to the outside of the cell to compensate the colour shift of blue on green to black on white. The film is made of a polymer with double refraction to remove the interference of colours. It results in retardation compensation.

The film (the top layer in the figure) is placed in the display, either under or over the top polarizer. Some film compensation systems use two films, one on the rear that serves as a collimator, and one on the front that serves as a dispersion film to broaden the viewing cone. Film compensation improves the viewing angle, but does not affect switching time. FSTN is all standard STN displays with a polymer film applied to the glass as a compensation layer instead of the second cell as in the case of the DSTN. This simpler and more importantly cost effective method provides the preferred black on white image for this display technology.

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