



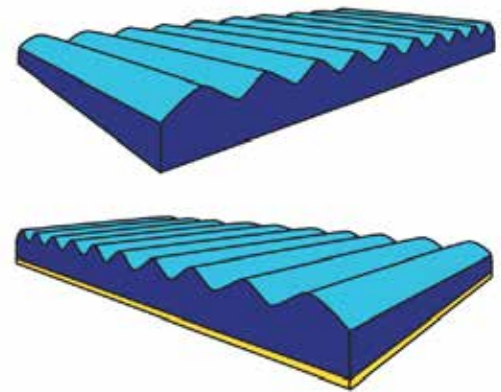
Round Tip Display (RTD) Film

Display Applications

Luminit Round-Tip Display (RTD) Film is designed to increase the brightness of displays by making use of refracted and reflected light to recycle otherwise wasted light and direct more light toward the viewer. The RTD film can provide a brightness gain of 30% to 40% in a display. The round tips are more rugged than sharp tip prisms which can break off in use causing contamination in the display.

How RTD Works

The Round-Tip pattern is embossed on a 10 mil polycarbonate substrate which has higher temperature durability when compared to polyester films. The RTD film is available with or without an integrated diffuser on the back. The combined RTD film and diffuser reduces the number of films in the display stack.



The RTD film is typically used in a display stack with the first RTD film with diffuser on the bottom facing the light source, and a second RTD film without a diffuser oriented crosswise to the bottom layer with a cover sheet and the LCD panel on top. Other brightness enhancement films may be used in conjunction with the RTD films, typically between the top RTD film and the cover sheet.

RTD Film in a typical avionic display

