



Consolite Technology Data Sheet

Material Ref: CTL-R179

Function: NVIS Class B Polymer, Full Colour OLED Display

Description

The filter material provides Class B compliance with MIL-STD-3009 for NVIS Radiance when used with a full colour OLED display.

The material is a polymer absorption filter, just 0.5mm thick, permitting it to be used on the front of capacitive touch screen devices without affecting the sensitivity. The filter has been designed to maximise photopic transmission, optimising daylight readability.

Applications include aircraft cockpit, vehicle instrument and hand-held displays.

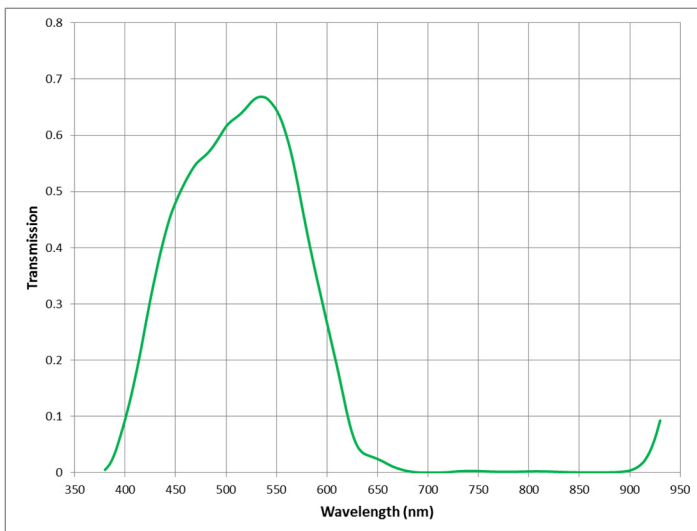
Nominal thickness: 0.5mm

Performance

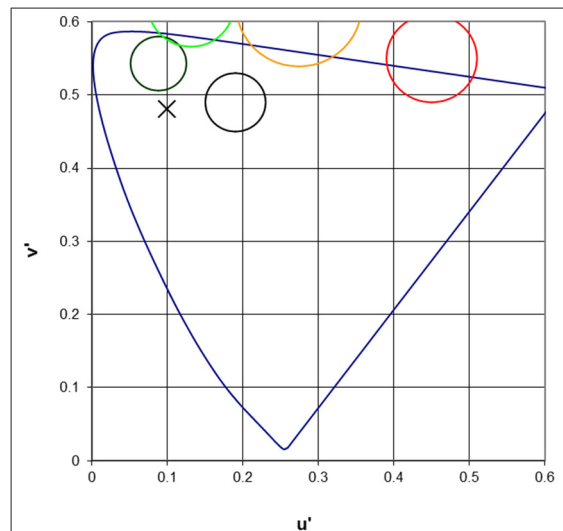
Indicative performance figures below are quoted for CTL-R179 in combination with a typical full colour OLED display. These are measured in white and red areas, each dimmed as close as possible to 0.5fL, but may vary.

	NR _B @ 0.5fL	Chromaticity		Photopic transmission
		u'	v'	
White	7.73E-10	.099	.481	54%
Red	8.05E-09	.286	.507	24%

Spectral Transmission



Chromaticity Coordinates, White (CIE 1976)



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