



Consolite Technology Data Sheet

Material Ref: CTL-R158

Function: Green LED Display Filter, Polymer, AR Coating

Description

The material is an absorption filter of single piece polymeric construction and is optimised for use with a green LED display, of nominally 565-568nm peak wavelength, to provide Class B compliance with MIL-STD-3009. It also functions as a very efficient contrast enhancement filter as the filter spectral transmission is closely matched to the LED emissions to ensure optimum visibility of the display. It has an anti-reflection coating on one side to further enhance performance.

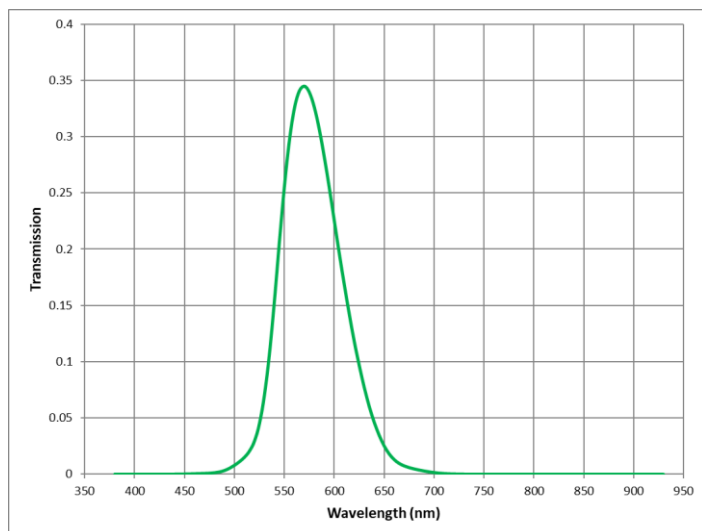
Nominal thickness: 0.75mm

Performance

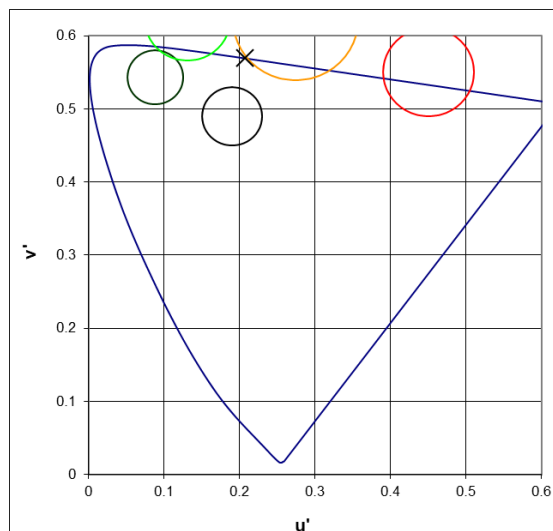
Typical performance figures are quoted for a 565nm peak wavelength LED alphanumeric display. Exact figures may vary.

NVIS Radiance	Chromaticity		Photopic Transmission
	u'	v'	
$NR_B @ 0.1fL$.207	.569	31%

Spectral Transmission



Chromaticity Coordinates (CIE 1976)



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