



Consolite Technology Data Sheet

Material Ref: CTL-R181

Function: NVIS Polymer Filter, Colour LCD Monitor, LED Backlight

Description

The polymeric filter material is of absorption type and at just 0.25mm thick is well suited to internal filtering of white LED backlighting in LCD screens. It offers high transmission and good colour neutrality. Full compliance with MIL-STD-3009 NVIS Radiance limits cannot be guaranteed but in many cases space constraints mean it is the only viable option, and it is generally acceptable for non-critical display locations.

The material can also be used on the front of display screens, where the same caveat applies.

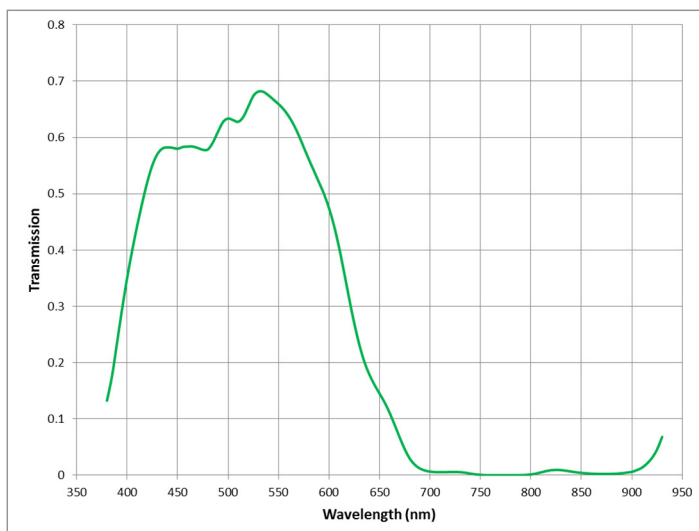
Performance

Performance figures are quoted for a typical full colour LCD cockpit display with white LED backlighting, dimmed as close to 0.5fL as possible. Exact figures will vary.

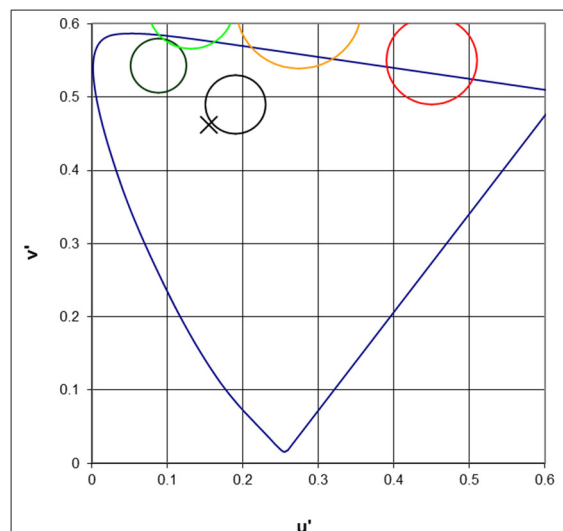
NVIS Radiance @ 0.5fL NR _B	Chromaticity		Photopic Transmission
	u'	v'	
3.0E-09 *	.187	.478	57%

* Typical but fully 3009 compliant in some circumstances.

Spectral Transmission



Chromaticity Coordinates (CIE 1976)



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