



Consolite Technology Data Sheet

Material Ref: CTL-C010

Function: Glass Filter, NVG Compatible, Full Colour LCD, CCFL Backlight

Description

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

It is suitable for adding to a display internally or externally.

Applications include aircraft cockpit, vehicle instrument, naval and land system displays.

Anti-reflection coating and conductive ITO coating are available as options.

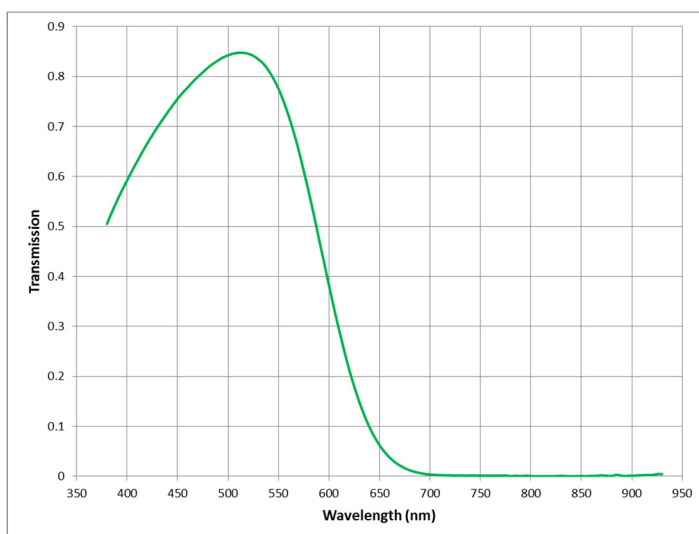
Nominal thickness: 1.35mm

Performance

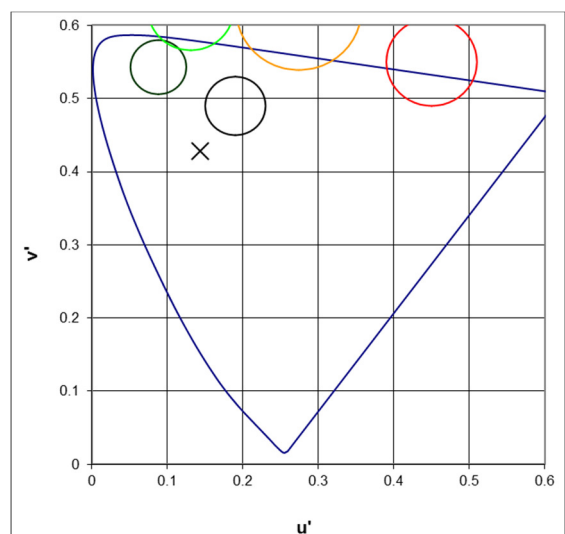
Indicative performance figures below are quoted for CTL-C010 in combination with a typical full colour LCD, dimmed as close as possible to 0.5fL, but may vary.

	NR _B @ 0.5fL	Chromaticity		Photopic transmission
		u'	v'	
White	8.90E-10	.1435	.4284	68.3%
Red	9.13E-9	.3880	.5206	33.4%

Spectral Transmission



Chromaticity Coordinates, White (CIE 1976)



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Issue: 1



Physical Data

Density	ρ (g/cm ³)	2.68
Transformation temperature	T _g (°C)	482
Thermal expansion	α -30/+70°C (10 ⁻⁶ /K)	6.8
	α 20/300°C (10 ⁻⁶ /K)	8.0