



## Consolite Technology Data Sheet

**Material Ref:** CTL-T091

**Function:** NVG Compatible Interference Glass Filter, Colour LCD

### Description

The filter uses an interference coating on a clear glass substrate to achieve the NVIS radiance requirements of MIL-STD-3009 (Class B) and DO-275. A variety of sizes and thicknesses can be provided permitting use either across the whole display area, or in thin strip form to filter edge illumination at source. The filter works well for both CCFL and white LED backlighting.

The coating is designed to provide optimal transmission and colour retention over all wavelengths.

Performance figures are quoted for typical full colour LCD cockpit displays, measured in white areas, dimmed as close to 0.5fL as possible. Exact figures may vary with source, configuration and coating.

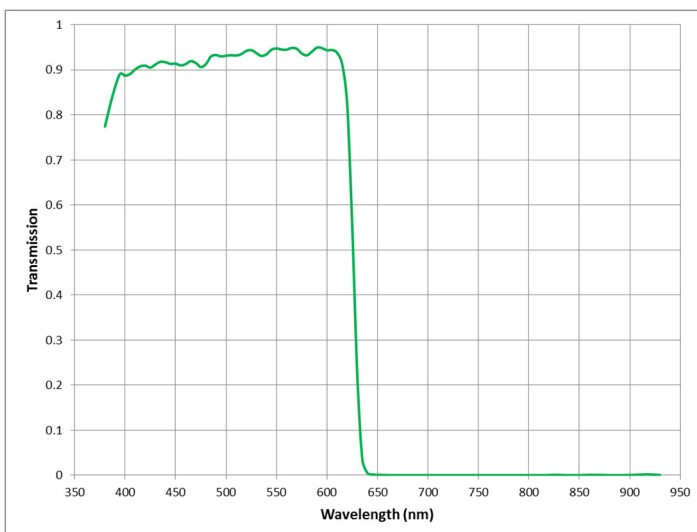
Variants are available with enhanced off axis IR absorption if required.

Standard thicknesses: 1.1mm, 2mm

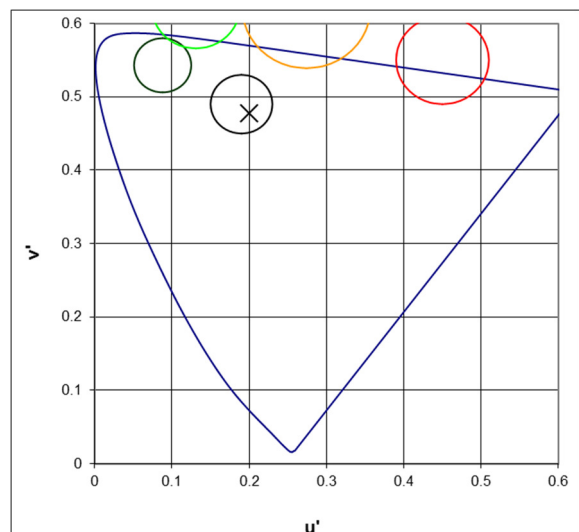
### Performance

Backlight Source	NR <sub>B</sub> @ 0.5fL	Chromaticity		Photopic transmission
		u'	v'	
White CCFL	3.61E-10	.175	.438	92%
White LED	3.08E-10	.200	.477	90%

### Spectral Transmission



### Chromaticity Coordinates (CIE 1976) (LED)



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