



## Consolite Technology Data Sheet

**Material Ref:** CTL-R110/R111

**Function:** NVIS Polymer Filter, Green/Yellow Segmented LED Display

### Description

The filter material provides Class B compliance with MIL-STD-3009 for NVIS Radiance when used with a suitable green/yellow segmented LED display.

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

Nominal thickness: 1.0mm

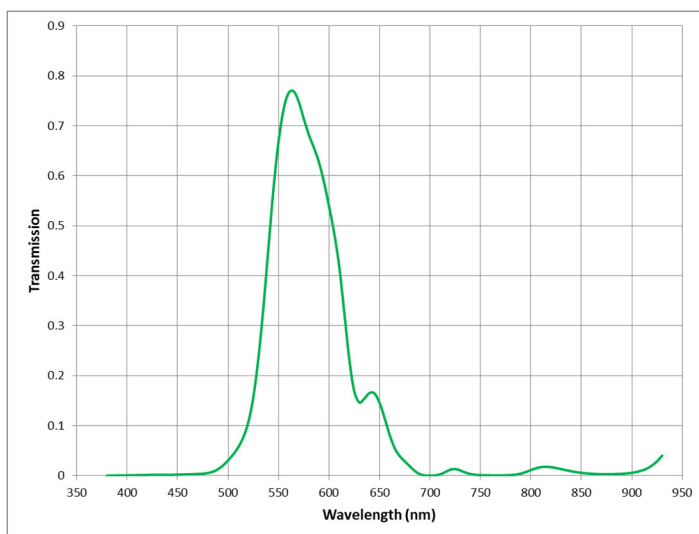
CTL-R110 is supplied with an anti-reflection coating on both faces. CTL-R111 is uncoated.

### Performance

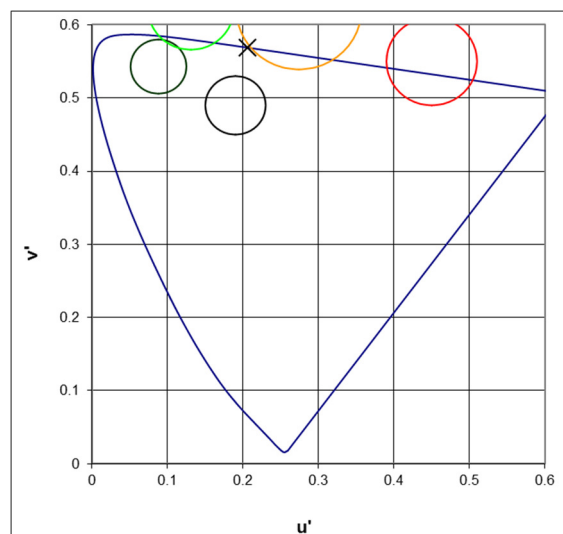
Indicative performance figures below are quoted for CTL-R110 in combination with a typical LED display of dominant wavelength 572nm.

NVIS Radiance @ 0.1fL		Green/Red Ratio I3(W)	Chromaticity		Photopic Transmission
NR <sub>A</sub>	NR <sub>B</sub>		u'	v'	
4.96E-10	7.72E-11	327	.206	.569	69%

### Spectral Transmission



### Chromaticity Coordinates (CIE 1976)



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