



## Consolite Technology Data Sheet

**Material Ref:** CTL-R162

**Function:** NVIS Class A NS Glass Filter, Green/Yellow Segmented LED Display

### Description

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

The material is NS Glass, a proprietary hybrid polymer and glass construction, providing a hard surface to both faces with excellent scratch resistance and the ability to take a variety of optical coatings.

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

Nominal thickness: 2.0mm

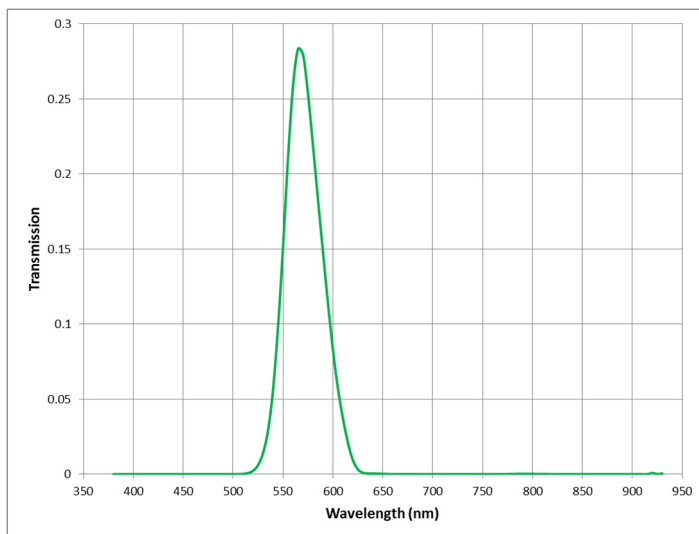
CTL-R162 is supplied with an anti-reflection coating on one face. Other options are available.

### Performance

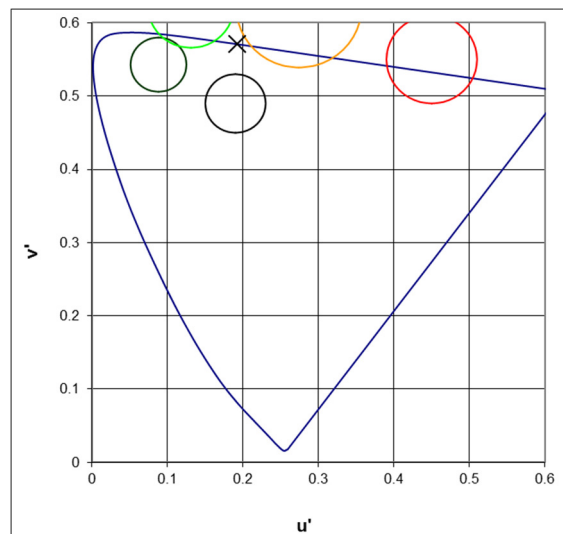
Indicative performance figures below are quoted for CTL-R162 in combination with a typical LED display of dominant wavelength 567nm.

NVIS Radiance @ 0.1fL		Green/Red Ratio I3(W)	Chromaticity		Photopic Transmission
NR <sub>A</sub>	NR <sub>B</sub>		u'	v'	
9.28E-11	5.43E-12	430	.192	.571	23%

### Spectral Transmission



### Chromaticity Coordinates (CIE 1976)



Consolite Technology Limited, St. Martins Business Park, Bells Lane, Zeals, Wiltshire, BA12 6LY, UK

Tel: +44 (0)1747 840900  
e-mail: sales@consolite.co.uk

Fax: +44 (0)1747 841500  
Web: www.consolite.co.uk

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