



## Consolite Technology Data Sheet

**Material Ref:** CTL-R164

**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: 2.5mm

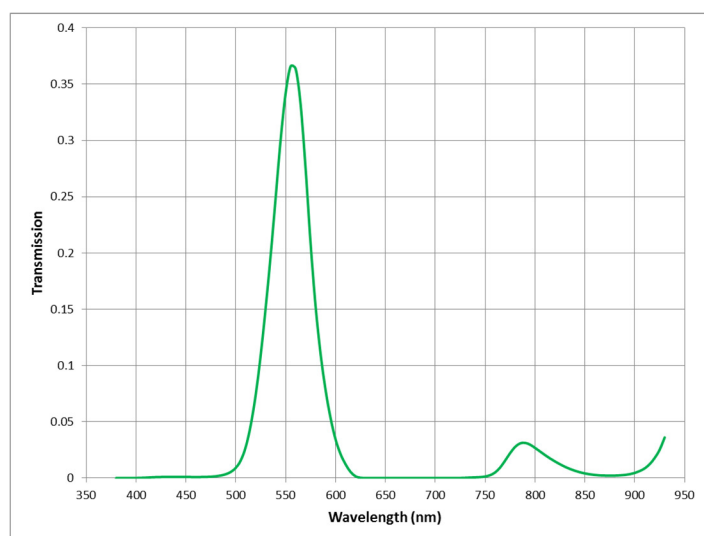
CTL-R164 is supplied with an anti-reflection coating on one face and an ITO coating on the reverse side. Other options are available.

### Performance

Indicative performance figures below are quoted for CTL-R164 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'	
6.25E-11	4.81E-12	301	.172	.574	27%

### Spectral Transmission



### Chromaticity Coordinates (CIE 1976)

