



## Consolite Technology Data Sheet (Provisional)

**Material Ref:** CTL-R290

**Function:** NVIS White Polymer Filter, Extruded, White LED Source

### Description

The filter material provides compliance with MIL-STD-3009 and RTCA/DO-275 requirements for both NVIS Radiance and chromaticity when used with a suitable white LED source.

The material is extruded, unlike other Consolite cast polymeric filters, and so can be made very cost effectively in long lengths. It is also more flexible so can be wrapped or bent more easily. As a result of the production process the material may exhibit non-uniformities in transmission characteristics, typically in the form of lighter bands, and also inclusions and surface markings, not observed in cast materials.

Applications include aircraft cockpit and cabin floodlights.

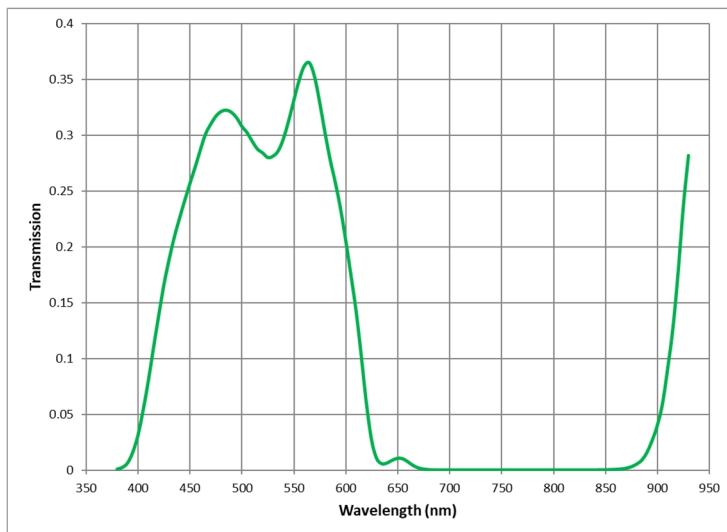
Nominal thickness: 0.25mm

### Performance

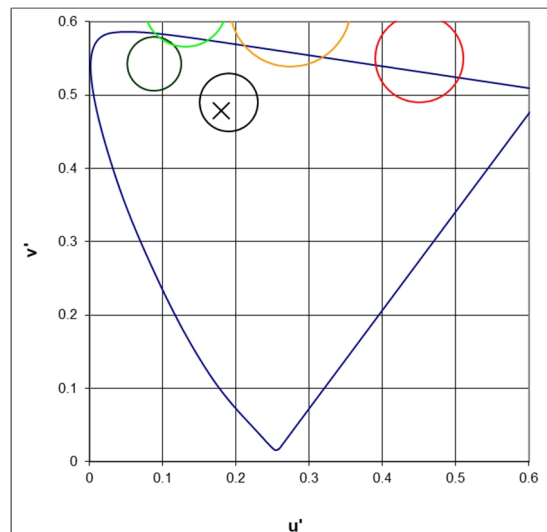
Indicative performance figures below are quoted for CTL-R290 in combination with a typical white LED of colour temperature 5130K and may vary.

NVIS Radiance @ 0.1fL		Chromaticity		Photopic Transmission
NR <sub>A</sub>	NR <sub>B</sub>	u'	v'	
7.69E-10	1.47E-10	.178	.481	30%

### Spectral Transmission



### Chromaticity Coordinates (CIE 1976)



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