



## Consolite Technology Data Sheet

**Material Ref:** CTL-R235

**Function:** NVIS Class B Polymer, Full Colour LCD, White LED Backlight

### Description

The polymer filter material provides full Class B NVIS Radiance compliance with MIL-STD-3009 when used with a full colour LCD with white LED backlighting.

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

Nominal thickness: 1.0mm

Variants: **CTL-R238** As above with AR coating on one face.

**CTL-R241** As above with AR coating on both faces.

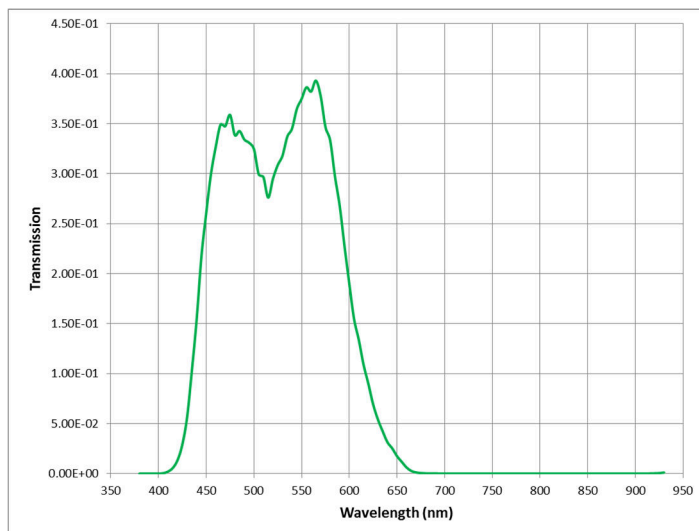
**CTL-R244** As above with textured anti-glare finish on one face.

### Performance

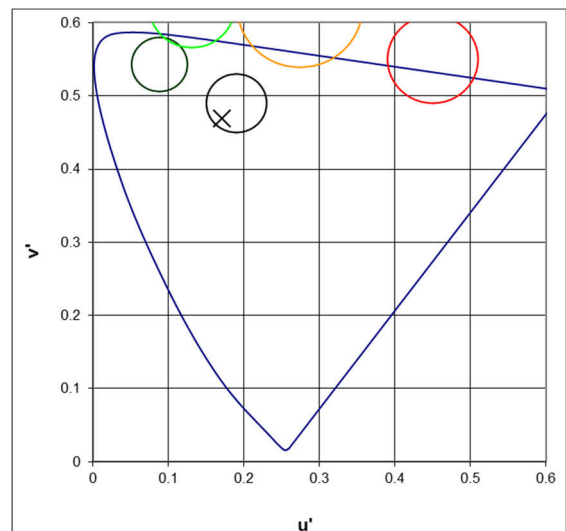
Indicative performance figures below are quoted for CTL-R235 in combination with a typical full colour LCD, backlit by white LEDs of type Nichia NCSW, colour rank b, measured in a white area, dimmed as close as possible to 0.5fL. Performance of CTL-R238 and CTL-R241 is comparable.

	NR <sub>B</sub> @ 0.5fL	Chromaticity		Photopic transmission
		u'	v'	
White	9.0E-10	.171	.469	30%

### Spectral Transmission



### Chromaticity Coordinates, White (CIE 1976)



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

Tel: +44 (0)1747 840900

Fax: +44 (0)1747 841500

e-mail: sales@consolite.co.uk

Web: www.consolite.co.uk

Issue: 2