



Consolite Technology Data Sheet

Material Ref: CTL-R236

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: 2.5mm

Variants: **CTL-R239** As above with AR coating on one face.

CTL-R242 As above with AR coating on both faces.

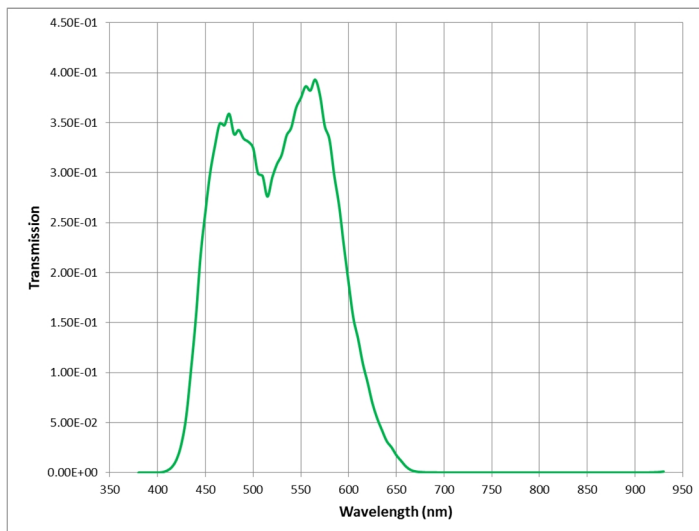
CTL-R245 As above with textured anti-glare finish on one face.

Performance

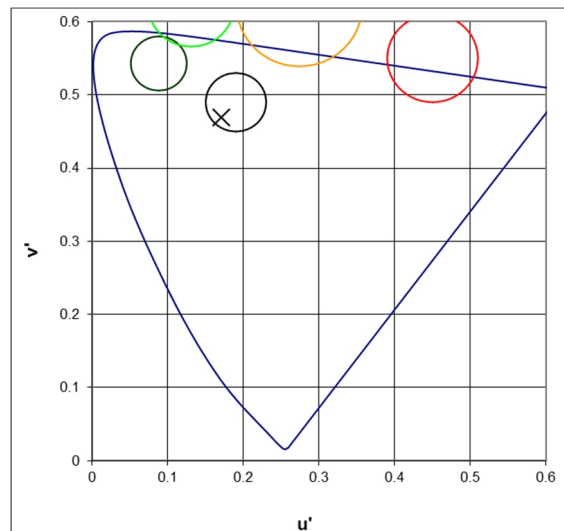
Indicative performance figures below are quoted for CTL-R235 in combination with a typical full colour LCD, backlit by white LEDs of type Nichia NCSW, colour rank b, measured in a white area, dimmed as close as possible to 0.5fL. Performance of CTL-R238 and CTL-R241 is comparable.

	NR _B @ 0.5fL	Chromaticity		Photopic transmission
		u'	v'	
White	9.0E-10	.171	.469	30%

Spectral Transmission



Chromaticity Coordinates, White (CIE 1976)



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