



Consolite Technology Data Sheet

Material Ref: CTL-A02X

Function: NVIS Green A Class A Filter, Glass, Filament Lamp Source

Description

The filter is intended for use with a filament lamp source to provide full compliance with MIL-STD-3009 for Class A and B NVG compatibility with NVIS Green B chromaticity.

Different optical densities are available for compliance at different thicknesses, as follows:

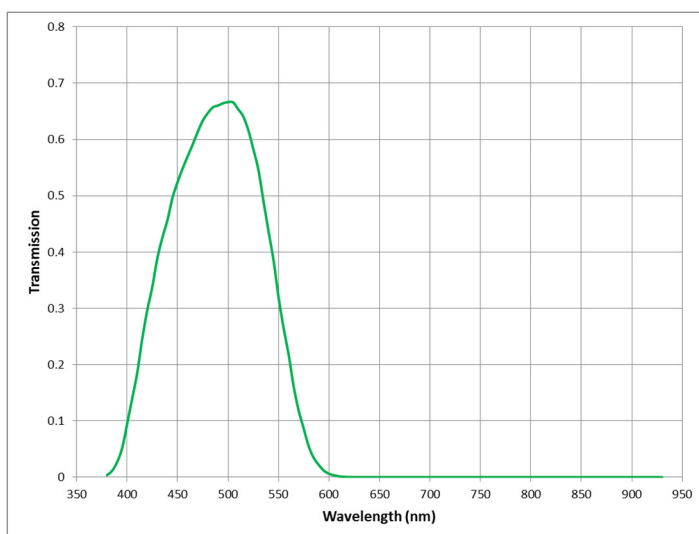
- CTL-A020 1.0mm thick
- CTL-A021 1.5mm thick
- CTL-A022 2.0mm thick
- CTL-A023 3.0mm thick

Properties quoted below are measured in combination with a T1¾ filament lamp and may vary.

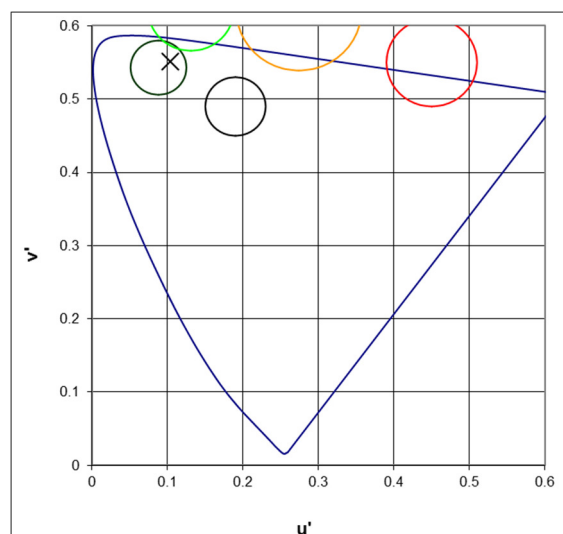
Performance

Light Source	NVIS Radiance		Green/Red Ratio		Chromaticity		Photopic Transmission
	NR _A	NR _B	I ₃	I _{3W}	u'	v'	
T1¾ lamp							
28V 1954K	5.81E-11	4.12E-12	124930	284	.0970	.5333	15.3%
22V 1822K	6.08E-11	4.21E-12	107000	280	.0988	.5399	14.2%
14V 1571K	6.86E-11	4.48E-12	74686	273	.1040	.5508	11.7%

Spectral Transmission



Chromaticity Coordinates (CIE 1976)



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