



## Consolite Technology Data Sheet

**Material Ref:** CTL-A03X

**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-A030 1.0mm thick

CTL-A031 1.5mm thick

CTL-A032 2.0mm thick

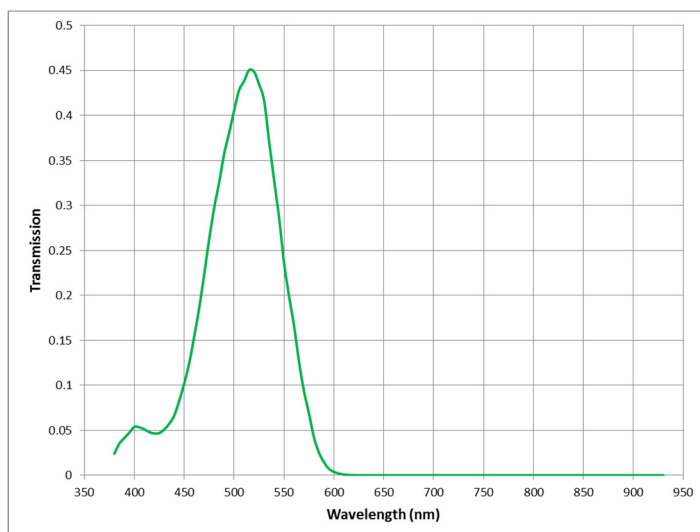
CTL-A033 3.0mm thick

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

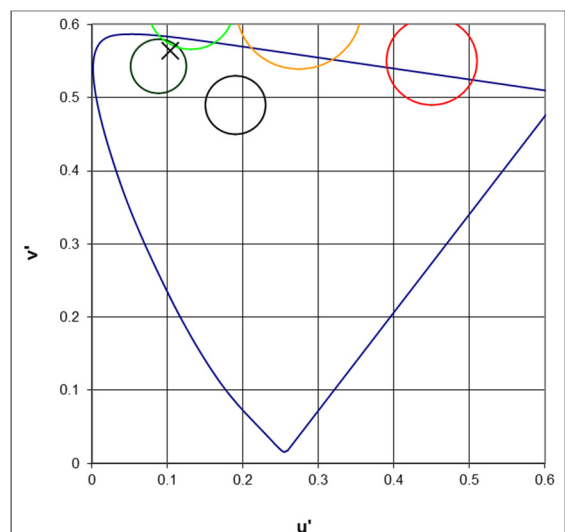
### Performance

| Light Source | NVIS Radiance   |                 | Green/Red Ratio |                 | Chromaticity |       | Photopic Transmission |
|--------------|-----------------|-----------------|-----------------|-----------------|--------------|-------|-----------------------|
|              | NR <sub>A</sub> | NR <sub>B</sub> | I <sub>3</sub>  | I <sub>3W</sub> | u'           | v'    |                       |
| T1¾ lamp     |                 |                 |                 |                 |              |       |                       |
| 28V 1954K    | 5.46E-11        | 3.98E-12        | 123145          | 276             | .0953        | .5570 | 11.1%                 |
| 22V 1822K    | 5.70E-11        | 4.06E-12        | 105805          | 273             | .0978        | .5599 | 10.3%                 |
| 14V 1571K    | 6.36E-11        | 4.30E-12        | 74277           | 268             | .1041        | .5647 | 8.6%                  |

### Spectral Transmission



### Chromaticity Coordinates (CIE 1976)



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

Tel: +44 (0)1747 840900  
e-mail: sales@consolite.co.uk

Fax: +44 (0)1747 841500  
Web: www.consolite.co.uk

Issue: 2