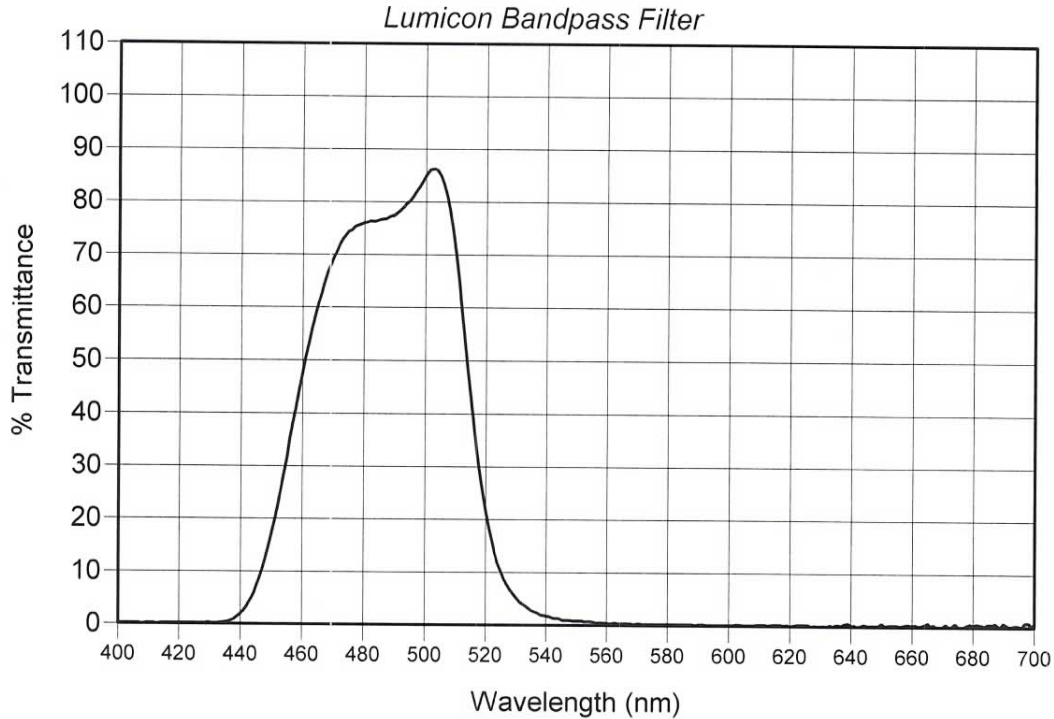


Lumicon

Filter Scan Report Friday, October 20, 2017



Description: Celestron Nebular Broad Band

Emission Bands Transmission

WaveLength	Test Value
486.0 nm	76.70%
496.0 nm	81.07%
501.0 nm	85.51%

Wavelength	Test Value
511.0 nm	65.00%
514.0 nm	48.49%
656.0 nm	0.08%

Block Bands Transmission (Light Pollution)

WaveLength	Test Value
405.0 nm	0.03%
436.0 nm	0.47%
546.0 nm	0.92%
558.0 nm	0.50%
570.0 nm	0.29%

Wavelength	Test Value
577.0 nm	0.20%
583.0 nm	0.17%
600.0 nm	0.04%
617.0 nm	0.18%
630.0 nm	0.00%

**Warning! Do not look at the sun through this filter!
Severe Eye Damage will Result!**

Thank you for choosing Lumicon! We strive to produce high quality optical filters for astronomical use. This data sheet was compiled using our in house spectrometer and software documentation system. We scan each filter individually and produce a matched report for each filter. Please retain this document as we do not archive the scan data.

The data tables above show wavelengths of interest and their respective transmission values, given as percent transmission. The first table

shows the wavelengths that are of astronomical interest for examination. The second table shows the emission bands from various light pollution sources that are desirable to block.

When examining these tables please note that each filter design may transmit or block each band in varying amounts. Please check our website (www.Lumicon.com) for more details on each filter design.