



Why custom filters?

You have carefully designed a new system for monitoring your crop parameters. You have designed the camera and lenses to work best at a particular height and lighting condition. Don't settle for a stock filter!

Your instrument deserves filters that are optimized to detect wavelengths specific to your crop of interest.

- Custom transmission ranges
- Custom angles-of-incidence
- Custom out-of-band blocking
- Custom size and shape

Working with Omega

Start early- Filters should be discussed early in the design phase so all factors are considered

Design- We provide spectral models of the filters we are going to make before any decisions (or parts) have been made

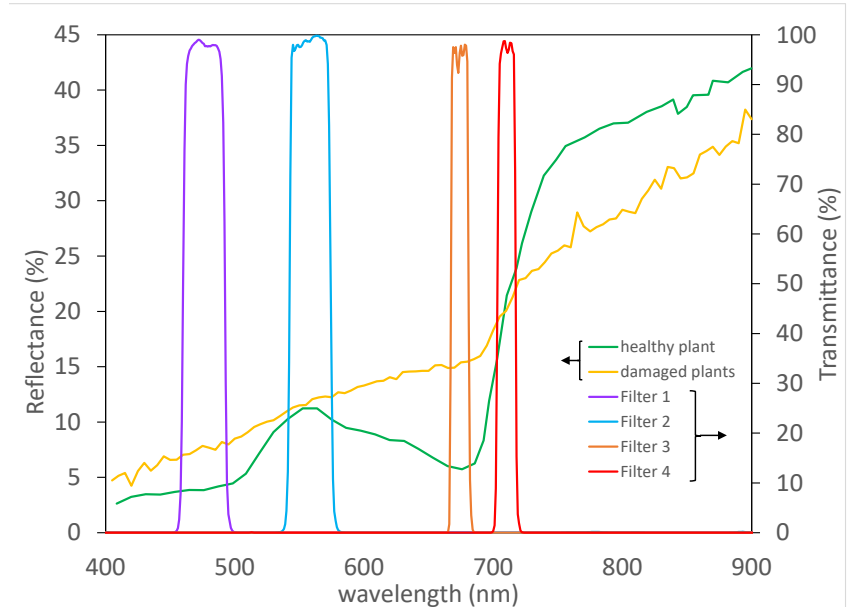
Iterate- Discuss and refine the filter designs

Prototype- Small lots are provided for proof-of-concept and pre-production runs

Iterate- Refine the design if needed

Full-production runs in volume- you are in full-production of your new instrument!

Increase the sensitivity of your measurement by tailoring your bandpass wavelengths.



Filters are positioned at areas in the spectrum that show maximum change (purple and orange) and little to no change (blue and red) to the reflectance spectrum when the plants are stressed or damaged.

Why Omega Optical?

- **A leader in thin-film optics since 1969**
- **We specialize in customized filters so you don't pay for specifications you don't need- Our engineers have designed over 30,000 filters!**
- **Volume production capacity of thousands of parts per month**
- **Hard-oxide filters prepared with PARMS are extremely durable for use in harsh outdoor environments**

Contact us today!
Ask about our fast leadtimes!

ISO 9001:2015 CERTIFIED • ITAR REGISTERED • MADE IN THE USA

