

TECHNICAL PRODUCT SHEET

LIFE SCIENCES + BIOTECHNOLOGY

OVERVIEW

Omega Optical, LLC is an innovator in the field of photonics, located in Brattleboro, Vermont. Founded in 1969 by Robert Johnson D.Sc.. Omega has been producing filters for fluoerescence since the 1970's! We have the experience and the technology to deliver you a custom solution that is tuned to your application. We are ready to solve your optics problems!

LIFE SCIENCES APPLICATIONS

- Molecular Imaging
- Microscopy
- Dental
- Microplate readers
- Whole Animal Imagers
- Point-of-care diagnostics
- Flow Cytometers
- Endoscopy
- DNA Analysis
- Clinical Analyzers
- Ophthalmology

WHY CHOOSE AN OMEGA FILTER?

- Use Omega to design and manufacture **custom filters** that will differentiate your product
- 50 years of engineering services to optimize your filter needs
- Experience with unusual materials to provide superior Angle of Incidence (AOI) performance
- Extensive inventory for rapid prototyping and development
- High-volume production
- In house optic shop for custom sizes, shapes and substrates
- USA made, ITAR and ISO registered

ULTRA-WIDE BROADBAND DIELECTRIC MIRROR

The Ultra-Wide series is Omega's most advanced and highest-performing broadband dielectric mirror, exhibiting uniformly high reflectivity from UV to NIR. Dielectric mirrors have many advantages over metallic coatings, including environmental stability, durability, and consistently higher reflectivity across a broader range of wavelengths.

High performance with >99.5% reflectivity

Ultra-wide spectral range from 400 to 1800nm

