

# SWP & LWP Filter Coatings For Glass Substrates

Coatings  
#650, #1001 & #1002



## General Description

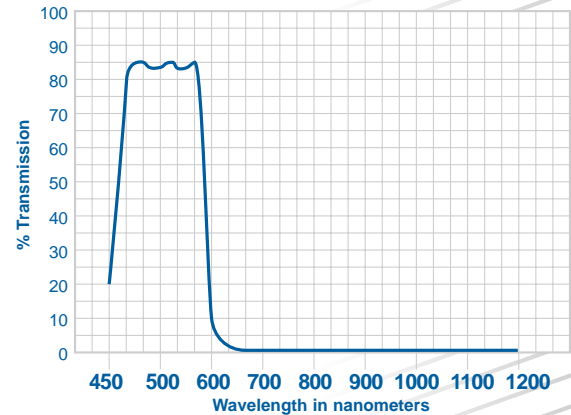
ECI manufactures optical filters for a variety of instruments and applications. These Long Wave Pass (LWP) and Short Wave Pass (SWP) dielectric coatings are used to filter or separate light energy. Typical uses include medical laser systems, UV curing units, NightVision displays, security lighting, scanning instruments, sensing applications and many others.

Several typical designs are illustrated at right. Contact one of our sales engineers to discuss specific application needs.

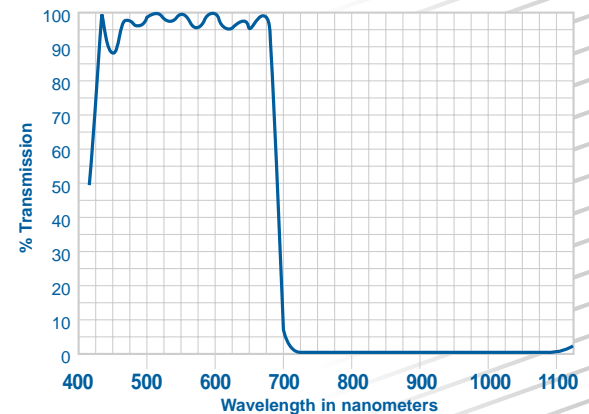
- **ECI #650** is a typical filter that is offered to manufacturers of UV curing devices including dental resins. This product offers excellent light transmission in the 420 to 480 nanometer region and superior blocking of the 550 to 2000 nanometer band. The heat-absorbing glass blanks are heat tempered to withstand severe temperature shock. Filters can also be designed to meet your exact dimensional and spectral requirements.
- **ECI #1001** is a “Hot Mirror” design used to block the near infrared wavelengths and transmit white light. This type of design can be deposited onto an absorbing filter glass to create a custom band pass filter.
- **ECI#1002** is a “Cold Mirror” design used to reflect visible white light and transmit heat (infrared wavelengths). This design is ideal when a broad range of infrared wavelengths must be removed from a light source.

These film designs feature extremely low absorption, excellent stability and environmental durability.

ECI #650



ECI #1001



ECI #1002

