Knight Optical offer a range of dichroic filter types for use in entertainment and stage lighting applications. Dichroic filters consist of thin film dielectric coatings on glass and exhibit sharp transitions between reflected and transmitted wavelengths.

Dichroic filters are used in lighting applications to correct outgoing light to produce more natural, true-to-life colour by removing unwanted wavelengths. Dichroic filters are temperature resistant and can be used to reflect heat away from hot lighting systems in addition to their colour correcting properties, unlike traditional polyester type colour filters that melt and distort under thermal conditions.

- Longpass, shortpass, bandpass and bandblocking type’s available
- Knight Optical offers custom design flexibility for complex sizes
- Low maintenance and cost saving
- Excellent resistance to heat and environmental conditions
- Superb colour uniformity and purity
- Huge range of stock wavelengths
- A range of custom sizes available from stock and sheet sizes up to 300mm square for custom bespoke sizes

Individually tested components are carried out in our state of the art metrology lab:

- Our Varian Cary 5000 with UMA attachment is used to measure transmission, reflectance and absorbency of optical components.
- Our highly skilled technicians can test any sample no matter how complex the piece in our state of the art metrology lab.
- We ensure all our components meet high quality standards.

For more information or to place an order contact our multilingual technical sales team and discover how Knight Optical’s high quality dichroic filters and service can improve your instrumentation and supply chain experience.