Knight Optical supplies high quality and cost effective dichroic hot mirrors for use in optical systems where unwanted UV or IR light negatively impacts on the system quality. This includes medical illumination, display lighting, architectural lighting and fiber optics.

Prolonged exposure to UV light can cause degradation in plastic materials resulting in cracking and, eventually, mechanical failure. Exposure to IR can cause undesired thermal energy and heat into the system that can damage delicate components.

Dichroic hot mirrors solve this issue by reflecting UV and IR light away from the component, thereby:

- Cost effective high infrared energy reflection
- Near UV blocking
- Excellent visible range transmission
- Excellent resistance to heat and environmental conditions
- Available in stock or custom 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 from 200-3200nm
  - 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 hot mirrors and service can improve your instrumentation and supply chain experience.