Glass & Coatings

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Optivex™ UV Blocking Filters

General Description

Optivex™ UV Blocking Dichroic filters are one of the most effective ways to block UV radiation while transmitting high quality visible light.

Applications

The Optivex™ UV Filter combines excellent optical characteristics, color balance, and rugged durability, making them ideally suited for:

- Fine art museums
- Natural history museums
- Commercial art galleries
- Private collections
- Antiquarian collections
- Retail establishments
- High Bay Lighting applications

Product Size Information

Any size up to 10” x 30” fabricated immediately from stock. Special sizes and thicknesses on request. Can be coated on customer supplied substrates, including molded concave lenses.

Features

Below is a brief list of some of the features of the Optivex® UV rejection filters:

- High UV Blocking
  -reduces photochemical degradation
  -enables the use of a broader range of light sources
  -allows the increase of light levels without the risk of damage to display objects
- Filter is applied to Borofloat® glass for heat resistance
- Dichroic filters are extremely durable, resisting abrasion and cracking
- Filters are stable in the presence of heat, meaning color consistency and performance stability
- Non-absorbing prevents filter-damaging heat build-up
- Lasts significantly longer than plastics or gels
- Sharp filter cutoff means almost no color distortion in the visible spectrum

Special Characteristics

- Average UV Blocking exceeds 99% for all radiation below 400nm
- Average color rendering index of 95%
- Photopic (human eye response) efficiency exceeds 85%
- Average visible light transmission exceeds 85%