Special FX U. V. Block For Lamps & Lenses

Special FX filtered light is produced by formulating pigments and metals that readily absorb certain light wavelengths. These formulas are then applied by a special process to alter the spectral output of light sources. Lighting designers use this filtered light to produce effects, correct color rendition, absorb ultraviolet, deflect infrared, alter color temperature or certain combinations of the above.

Light wavelengths are measured in billionths of a meter, or nanometers. The spectral transmission of a light source is charted below.

Ultra-violet light makes up approximately five percent of the sunlight reaching the earth and is also found in typical sources of artificial light in measurable amounts. Invisible to humans, this ultra-violet radiation (290-400 nanometers) has been shown to cause photo-chemical degradation of many natural and man-made materials. Typical manifestations of degradation from exposure to U. V. include: fading of colors, darkening of wood, loss of dimensional stability of textiles, discoloration of leather, premature aging of skin.

The Special FX U. V. coatings block this ultra-violet radiation and may be applied to most typical light sources or lenses.