

## Why is it that when an activated Transitions® Vantage™ lens is cross-polarized with a polarized film or polarized sunlens do I not see complete "blackout?"

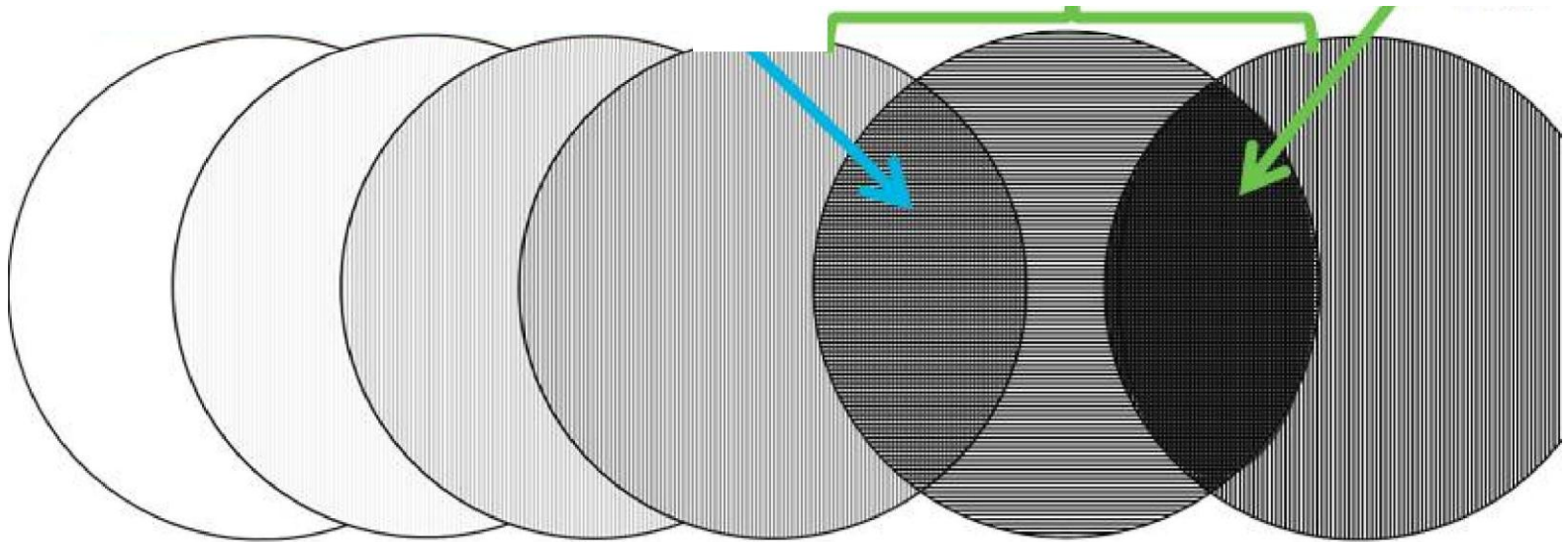
Transitions Vantage lenses feature variable polarization, meaning there is no polarization in the indoor, virtually clear, state and the level of polarization increases as the lens begins to darken when exposed to UV rays.

When you cross-polarize a Transitions Vantage lens with a piece of polarized film or polarized sunlens, you will **NOT** see complete blackout as you would when cross-polarizing two polarized sunlenses. The reason behind this is that since Transitions Vantage lenses have a variable level of polarization dependent upon UV exposure and temperature, the amount of polarization is different than the polarized sunlens or polarized film, therefore allowing a little more light through. Regardless, you should still a noticeable difference when cross-polarizing an activated Transitions Vantage lens with a polarized sunlens or polarized film\_

**A activated Transitions Vantage lens cross-polarized with a polarized sunlens will block a variable level of light dependent upon the level of polarization achieved through UV exposure and temperature**

Polarized Sunlens with Fixed Polarization, rotated 90 deg.

Two cross-polarized sunlenses block almost all light



Clear Indoors, Not Polarized -----> Darkens and Increases in Polarization

Polarized Sunlens with Fixed Polarization

# Transitions® Vantage

## Polarized Sunlens

[www.LuzerneOptical.com](http://www.LuzerneOptical.com)

Lines are only for demonstration purposes only