

POLARIZED LENSES

Due to recent advertising by large retail chains and polarized sunglass manufacturers, public awareness of polarized lenses has risen dramatically. Polarized sunglasses are by far the most superior sunglasses available today. These lenses are available in a variety of lens materials including high index and polycarbonate.

Polarized lenses have a greater glare reduction due to a polaroid film that is within the lens. This film has a series of filters that are similar to an air filter in your car. They filter out reflected light that has bounced off an object and is distorted. The polarized lens gives you a more crisp vision due to its ability to block out the distorted light. This lens is ideal for patients who spend time around the water, especially fishermen. You can actually see the fish underneath the water when wearing polarized lenses. This lens is also an excellent lens for driving as it eliminates windshield glare.

The original design for polarized lenses had a polaroid film laminated (sandwiched) between two lenses. With this design, one had to be careful not to delaminate the lenses which occurred from overheating or excess moisture. There is a new design now available called “**Nupolar**”, which does not have a laminated design. Instead, these lenses are manufactured using an “in-mold” injection process. The Nupolar process is unique because the polarized film is placed in the center of the mold and the lens material is injected around the film. This increases the life and versatility of the polarized lens. Currently, the Nupolar is only available in a plastic lens material. Varilux Comfort® Polarized Lenses are also available, which offers your patient a state-of-the-art progressive design as well as a premium, polarized lens. With increases in lens technology, even the laminated polarized lenses have improved. When you add a back-side AR coating to any polarized lens, you drastically improve the performance of the product. This is a premium sunglass lens that will increase your patient’s satisfaction and your profit margin.

