

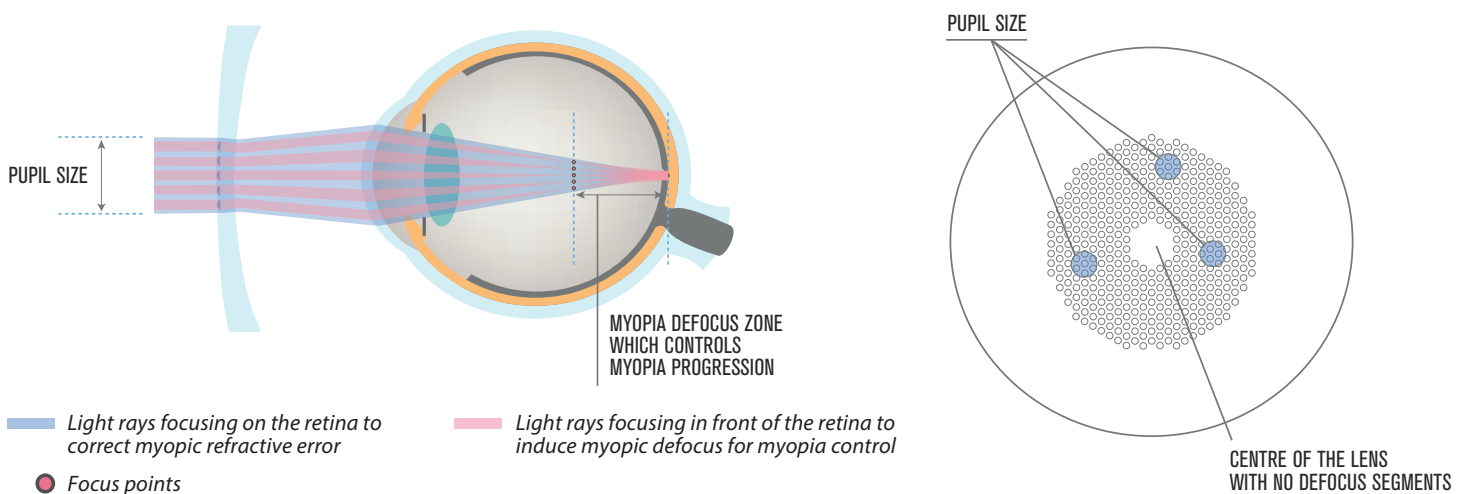


D.I.M.S. Technology

Curbs myopia progression on average by **59%** and has proven to halt myopia progression in **21.5%** of children through controlling eye growth⁷

MiyoSmart with D.I.M.S. technology is a single vision corrective lens with a convex surface that is comprised of hundreds of small segments, each providing myopic defocus. When the eye sees through a pupil-sized area (shown in the illustration), which covers an area of 6-7 small segments, it creates two focus points. One in front of the retina, controlled by the light passing through the segments of the lens, making each segment form a focus point. The other focus is on the retina, focused by the light passing through the area without segments. This lens structure makes it possible to simultaneously slow the growth of the eyeball and provide clear vision. Within the 9.4 mm diameter circle area in the center of the lens, there are no defocus segments. This was designed to make it possible to measure lens power and correct refractive error to meet clear vision needs.

How D.I.M.S. technology works in MiyoSmart lenses



**Illustration is not representational of actual lens shape and design*

To effectively control myopia progression, myopic defocus has to be continuous, even during eye movement. This requires a significant quantity of defocus segments that are evenly distributed on the lens surface. With decades of experience in ophthalmic lens production and development, Hoya Vision Care incorporated the D.I.M.S. technology and successfully produced smooth-surfaced lenses with multiple defocus segments. This award winning concept of innovative production technology resulted in MiyoSmart's cosmetic appearance to be very similar to regular single vision lenses.

