



Finally, the opportunity for **FREEDOM** from reading glasses and bifocals.



Until recently, life without reading glasses or bifocals was not an option for most **cataract** patients. **You now have an option.** The AcrySof® ReSTOR® IOL is a unique technological innovation that can provide you with quality vision throughout the entire visual spectrum – near through distance – with increased independence from reading glasses or bifocals!

### A new look on life with the AcrySof® ReSTOR® IOL

Previously, **IOLs** used in cataract procedures provided good functional distance vision, but offered little benefit for a full range of vision. That meant that people with those IOLs would still need reading glasses from time to time. **Now there is a new option – the AcrySof® ReSTOR® IOL is designed to improve vision at all distances.**

Does this mean freedom from glasses? For many, yes. With the AcrySof® ReSTOR® IOL, many people can read, drive and do other tasks without glasses. In fact, during the clinical trials, **80% of AcrySof® ReSTOR® IOL patients reported never wearing glasses** after having the lens implanted in both eyes, compared to only 8% of patients with **monofocal** lenses. However, as with many things, there may be a tradeoff – while you may gain clear vision throughout your visual range, you may experience halos or glare. Most patients find these tradeoffs tolerable, but you should discuss this with your doctor.

### How does the AcrySof® ReSTOR® IOL work?

As we perform daily activities such as reading, watching television or working at the computer, our eyes are constantly focusing on objects at varying distances – up close, far away and everything in-between. The ability to quickly change focus throughout this range of vision is called **accommodation**. Unfortunately, this ability diminishes as we grow older<sup>1</sup>, causing us to become dependent on bifocals or reading glasses. However, the AcrySof® ReSTOR® IOL was designed to provide quality near to distance vision by combining the strengths of **apodized diffractive** and refractive technologies. Similar

technology has been used for years in microscopes and telescopes to improve image quality, and has now been patented for use in intraocular lenses by Alcon.



### Apodized Diffractive

Apodization is the gradual tapering of the diffractive steps from the center to the outside edge of a lens to create a smooth transition of light between the distance, intermediate and near focal points. Diffraction involves the bending or spreading of light to multiple focal points as it passes through the lens. On the AcrySof® ReSTOR® IOL, the center of the lens surface consists of an apodized diffractive optic. This means that the series of tiny steps in that center area work together to focus light for **near** through **distance vision**

### Refractive

**Refraction** involves the redirection of light passing through the lens, to focus on the **retina**.

The refractive region of the AcrySof® ReSTOR® IOL bends light as it passes through the lens to a focal point on the retina. This outer ring of the AcrySof® ReSTOR® IOL surrounds the apodized diffractive region and is dedicated to focusing light for distance vision.

<sup>1</sup> Lee, Judith and Bailey, Gretchyn. *Presbyopia*. AllAboutVision.com. Access Media Group: 2004.