

# USO Absolute HD

Absolute HD Lenses seamlessly integrates the latest advancement in digital lens manufacturing to create the Ultimate Visual Experience for+ every patient.

Absolute, our premium lens design for the discerning wearer, was created using a radical approach offering unrivalled smoothness of design, thus minimizing swim effects and providing excellent patient comfort and rapid adaptation.

Our raytracing technology provides more consistent optical performance over the range of prescription powers, and offers wider viewing areas for patients with hypermetropia, improved distance area for patients with myopia and clearer image quality in main viewing areas. Our manufacturing process considers your parameters and choice of frame (back vertex distance, pantoscopic tilt and face wrap) to compensate the prescription. This results in best as worn condition, is ideal for sports and fashion wrap frames and offers sharper and higher resolution vision.

Absolute also sports excellent binocular balance.



### **Ideal For**

Experienced progressive wearers looking for the best quality design. Sports wrap and fashion frame wearers.

Corridor - 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm

### **Performance**

Distance Intermediate Reading Comfort







## **Advanced Technology**

Lenses are created using our PATENTED approach which reverses the normal design process. Rather than create a surface and analyse to determine its optical performance, the starting point is describing the Mean Power required by the eye at all points of the lens and then deriving the surface to match this ideal.

- A smoother, more even, Mean Power profile
- Reduced swim in the peripheral zones
- Greater comfort and faster adaptation





## **USO** Legacy HD

Legacy's uber comfortable design utilises dynamic technology to create a unique visual experience that is consistent across the lens.

Our natural design enhances Legacy's excellent patient comfort. With a wide range of corridors and an automatic corridor selection Legacy offers the best lens chosen for your individual requirements.

Our raytracing technology provides more consistent optical performance over the range of prescription powers, and offers wider viewing areas for patients with hypermetropia, improved distance area for patients with myopia and clearer image quality in main viewing areas.

Legacy HD Lenses have low overall astigmatism and as such are great options for emerging presbyopes choosing their first progressive lenses.



### **Ideal For**

Recommended for presbyopes choosing their first progressive design.

**Corridor** - 12, 13, 14, 15, 16, 17, 18, 19, 20mm

### Performance

Distance Intermediate

Reading Comfort





### **Advanced Technologies**

Ophthalmic lenses have power errors when viewing away from the optical centre of the lens.

Our process uses specially developed software which modifies the entire lens to correct power errors. Each lens is customized to the prescription.

- Provides more consistent optical performance
- Clearer image quality

A cohesive approach to lens design, which considers a progressive lens as a single entity rather than an accumulation of individual points. It utilizes geometric building blocks (continuous splines and ellipses instead of separate points) to define the whole lens surface rather than simply minimizing distortion. The intrinsically natural design results in:

- Better overall performance
- Higher adaptation rates due to increased patient comfort

