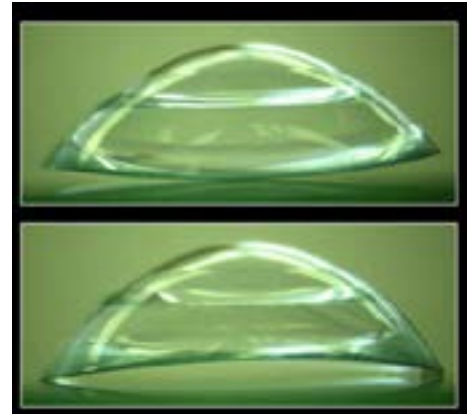


# Understanding Toric Landing in the Ampleye® Scleral Lens Design

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In recent years we have become accustomed to the term “Toric Landing” when discussing scleral lens design. It is common knowledge that the sclera is toric in the far majority of eyes so it follows that utilizing toric peripheries greatly enhances the fit for many patients taking advantage of what scleral lenses can offer. This improved fit leads to better centration and better comfort and often reduces lens fogging. These factors also contribute to improved vision. Therefore, scleral lens toric peripheries have become very common and an important parameter in the overall success of a scleral lens design.

So, are all toric periphery designs equal? Not necessarily. From fitting experience over the years, it is evident that for many patients, the limbal area of the eye can also have significant toricity. A study by Llorens-Quintana, et al in Dec. 2023 looked at 18 eyes with OCT imaging and found “...significant ellipticity and toricity...” of the limbus on average. Some designs may incorporate toricity just in the scleral landing zone of the lens and ignore the toricity of the limbus. If the patient has significant limbal toricity, this lens may not provide the optimum fit and benefits as mentioned above. In this case, the patient may exhibit an oval global fluorescein pattern and significant lens decentration.

From the beginning, [Art Optical's Ampleye](#) scleral lens has been designed with ease of fit in mind. A crucial part of the success and efficiency of fitting the Ampleye from its inception has been the toric periphery that extends through the limbal zone. This creates a toric profile that addresses the issue of the combined scleral and limbal toricity and results in a lens that has a different sagittal depth along each meridian. Ampleye toric periphery comes standard in all diagnostic set lenses and all lenses ordered with toricity. There is no need for the practitioner to make a specific request or specify “limbal toricity” when ordering Ampleye. It is built into the design and there is no upcharge associated with the toric periphery of an Ampleye lens. This is another way that the Ampleye is designed, and was designed from the very beginning, to provide customization without complication and has contributed greatly to its popularity among fitters across all skill levels and practice modalities.

View the [Ampleye Scleral Quick Fit Demo Video](#)

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