

QUICK REFERENCE

15.0/15.5 mm Diameter

Ampleye is designed to completely vault the cornea & limbus. It should land on the sclera with 360° of alignment.



DIAGNOSTIC LENS SELECTION:

Trials are fit by patient condition, not K-readings. The depth of the eye determines the initial depth of the trial lens. Lenses are labeled, selected, referenced and ordered according to their sagittal depth (sag).

INITIAL DIAGNOSTIC LENS SELECTION GUIDE

Ocular Assessment	Sag μm	BC mm/D	Power D
NORMAL DEPTH Normal Eyes, Oblate Corneas	3400	8.65/39.00D	+4.00
MEDIAN DEPTH Keratoconus, PMD	3800	8.04/42.00D	PLANO
HIGH DEPTH Advanced/Bulging Keratoconus, PK	4200	7.03/48.00D	-6.00

NOTE: 15.0 mm Dx lenses have a spherical periphery.
15.5 mm Dx lenses have a 125 μm toric haptic periphery.

1. Perform Ocular Assessment & Select Initial Diagnostic Based on Patient's Condition

- Fill bowl with non-preserved saline & add fluorescein generously.
- Place lens on eye and check with blue light to assure there are no bubbles present. If bubbles are present, remove and reinsert lens.

2. Evaluate the Lens Fit

- Allow lens to settle on eye for a minimum of 20 minutes.
- Use slit lamp blue light with diffused illumination to assess fit.
- Use slit lamp optic section and compare the center thickness of the trial lens (300 μm) to the posterior tear layer to measure central vault while ensuring limbal clearance.

Ideal Central Vault = 250-400 μm

- < 250 μm of central vault but not touching - note the amount of excess clearance and adjust on the Rx lens order. If touch is present, select a trial lens with a sag that is 400 μm higher than the current lens.
- > 400 μm of central vault - note the amount of excess clearance and adjust on the Rx lens order.

Peripheral Cornea Vault Observation

Make sure there is peripheral corneal vault as opposed to peripheral corneal touch. If there is peripheral corneal touch adjust the **Peripheral Corneal Zone (PCZ)** by +5 steps (125 μm) when placing your Rx order.

Limbal Vault Observation

Make sure there is limbal vault as opposed to limbal touch. If there is limbal touch, adjust the **Limbal Lift Zone (LLZ)** by +3 steps (75 μm) when placing your Rx order.

3. Over-Refract

- Perform sphero-cylinder over-refraction.
- If front cylinder is required, the 15.5 diameter with toric haptic periphery will need to be trialed. Observe sag mark location. If sag mark is not at 270°, compensate for any rotation using LARS.

4. Order the Rx Lens by Calling Art Optical & Providing:

- Sag of best-fitting trial lens
- Over-refraction
- Clock position of toric sag mark on 15.5 trial if cylinder is required.