

Supplementary Materials:

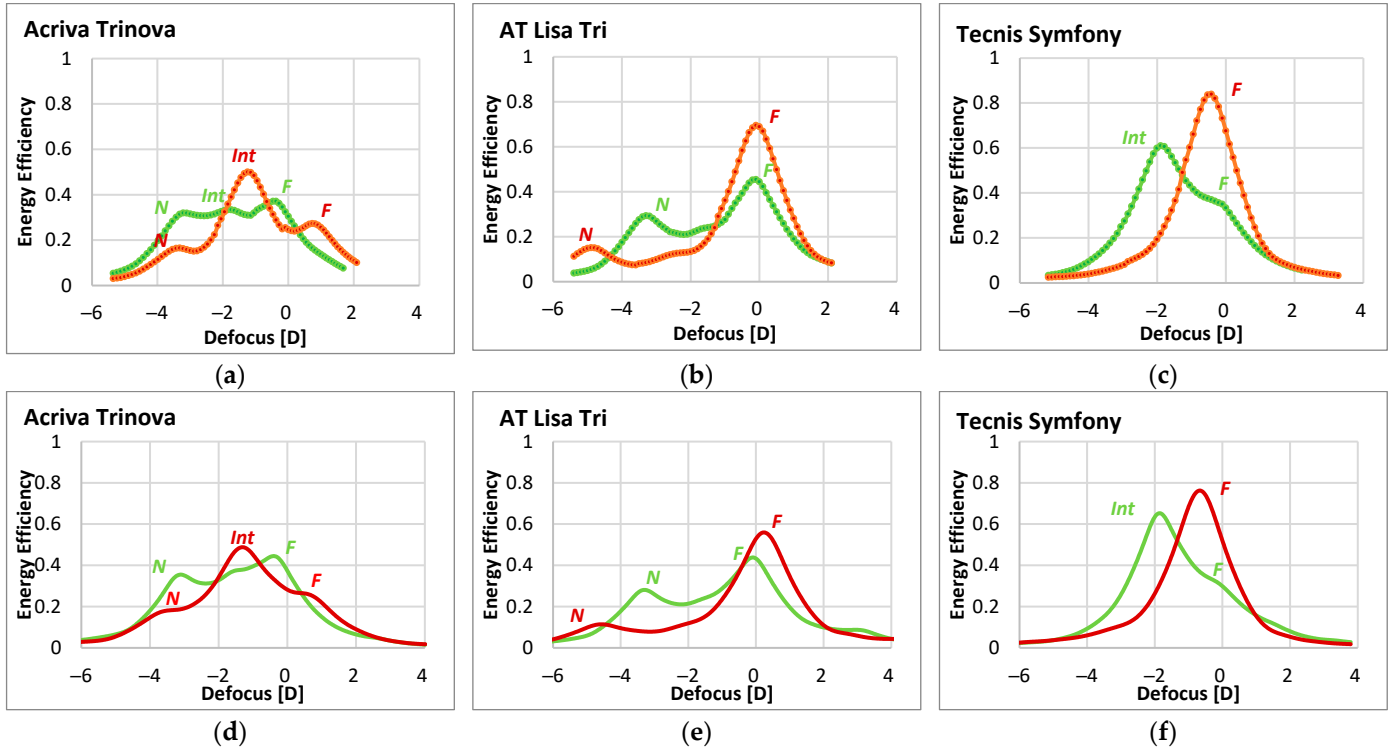


Figure S1. EE versus defocus (D) for the studied IOLs with 3.0mm IOL-pupil. Upper row (a), (b), (c): Experimental results (-●- green, -●- red NIR). Lower row (d), (e), (f): simulated results (green and red solid lines represent green and NIR illuminations, respectively). Far (F), intermediate (Int) and near (N) foci are labeled for each lens and illumination.

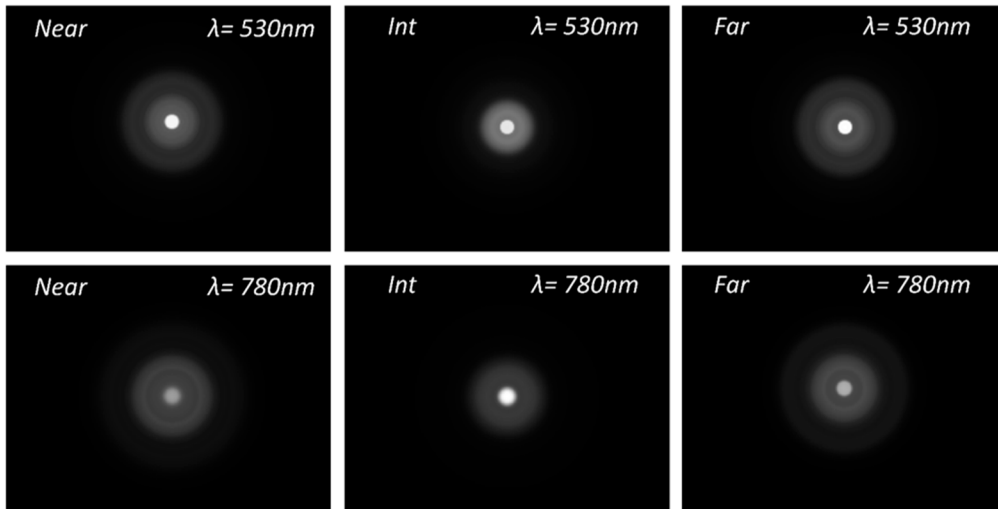


Figure S2. Simulated images of a pinhole test formed with Acriva Trinova IOL. Pupil 4.5mm. Gamma correction 0.45.

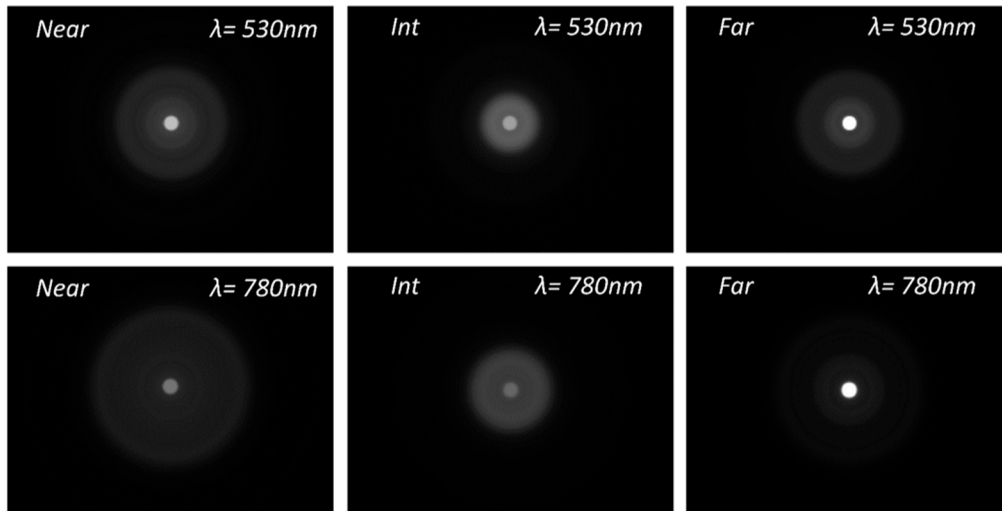


Figure S3. Simulated images of a pinhole test formed with AT Lisa Tri IOL. Pupil 4.5mm. Gamma correction 0.45.

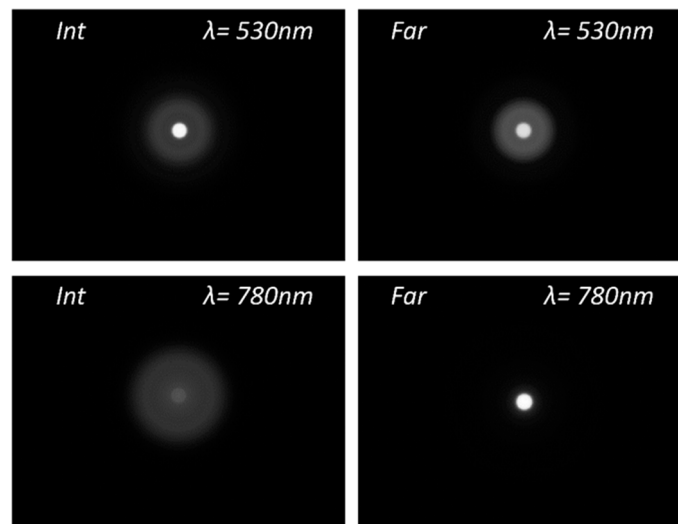


Figure S4. Simulated images of a pinhole test formed with Tecnis Symphony. Pupil 4.5mm. Gamma correction 0.45.