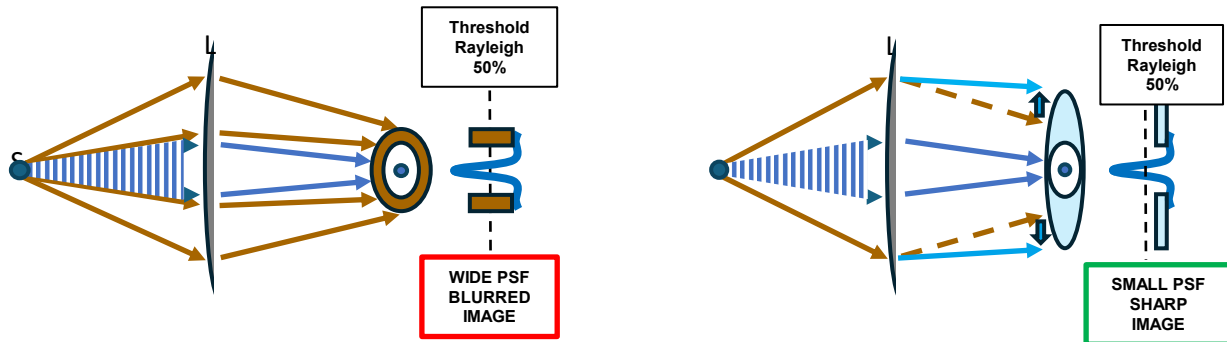


Optic by Dilution : a new way giving a powerful **Extended Depth of Focus**

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I have no Financial interests



Optic by dilution (OBD) uses an **Addition negative** -3,00 D for nearby.

That's increases the size of the ring from S_1 into S_2 .

Due to the conservation of the luminous flux $\Psi = I \cdot S$ (Intensity cross Surface)

$$I_1 \cdot S_1 = I_2 \cdot S_2 ;$$

As the surface increases, intensity decreases. If intensity becomes under 50% of the Rayleigh threshold, the ring becomes undetectable.