We want to efficiently couple a light source with a 1 mm diameter and 45 degree NA (half angle of radiation cone) through a wall 100 microns thick with a 100 micron diameter hole. We need:

A: A single lens with $|M| = 1/10$
B: More than one lens, but $|M| = 1/10$
C: Fiber optics
D: A different light source with diameter $< 100$ um
E: A different light source with NA $< 5$ degrees