

Beam Expander Series



Key Features:

- Ideal for reducing beam divergence
- Compatible with many of our standard optics for focusing
- Minimal telescope length
- Minimal introduced wavefront error $< \lambda / 4$
- Provide diffraction limited performance (for $< \varnothing 1\text{mm}$ input)
- Non-rotating lens translation for a more stable output



Main Applications:

- Expand beam diameters
- Reduce beam diameters
- Reduce divergence
- Expand the beam and then focus with another lens to take advantage of a reduction in spot size

General Specifications:

Scratch-Dig: 20-10

Wavefront Error: $< \lambda / 4$

AR Coating: $R < 0.5\%$ over coating range

Ordering Information:

BE-①-②-③

- ① Input Aperture: 3.0: 3.0mm; 4.0: 4.0mm; 6.5: 6.5mm
- ② Expansion Ratio: 02x: 2x; 03x: 3x; 04x: 4x; 05x: 5x; 06x: 6x
- ③ AR Coating Range: A: 350-650nm; B: 650-1050nm; C: 1050-1620nm

“BE-4.0-10X-A” means that:

The beam expander’s aperture is 4.0mm;

The beam expander’s expansion is 10X;

The beam expander’s clear coating is between 350-650nm.



Contact Information:

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