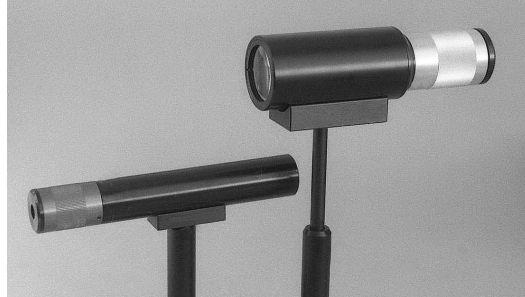
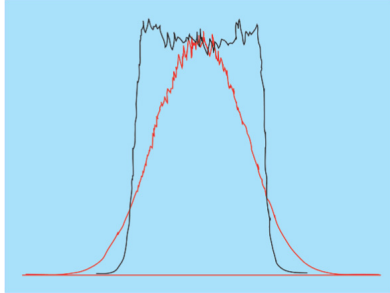


## Flat-Top Beam Expanders

innpho's **Flat-Top Beam Expanders** convert a Gaussian laser beam input into an output that has a flat-top profile. The conversion is caused by an Engineered Diffuser™, manufactured by RPC Photonics, Inc.



- |                           |  |
|---------------------------|--|
| •Spectral Range           | 350 nm to 2 $\mu$ m                        |
| •Cross section uniformity | $\pm$ 5-10% (neglecting speckle)           |
| •Laser damage threshold   | 20 J/cm <sup>2</sup> , 1054 nm, 1 ns pulse |

Optimum performance of the apodizing element (Engineered Diffuser™) is achieved when the input beam diameter is 3-4 mm.

### Part

<u>Part Number</u>	<u>Description</u>
ELG-10- $\lambda$	Flat-Top Beam Expander, 10 mm dia collimated output
ELG-20- $\lambda$	Flat-Top Beam Expander, 20 mm dia collimated output
ELG-45- $\lambda$	Flat-Top Beam Expander, 45 mm dia collimated output

$\lambda$ : when ordering, specify wavelength for AR coatings

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