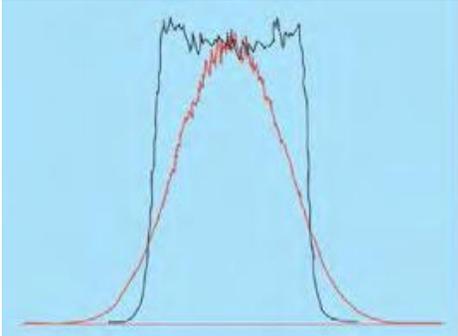


Flat-Top Beam Expander

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.



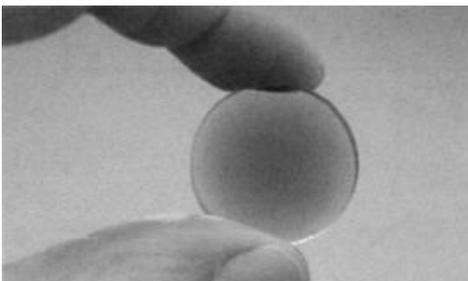
- Spectral Range 350 nm to 2 μ m
- Cross section uniformity \pm 5-10% (neglecting speckle)
- Laser damage threshold 20 J/cm², 1054 nm, 1 ns pulse

Optimum performance of the apodizing element (Engineered Diffuser™) is achieved when the input beam diameter is 3-4 mm, using our GCE-9.

Part

<u>Number</u>	<u>Description</u>
ELG-10- λ	Flat-Top Beam Expander, 10 mm dia collimated output
ELG-20- λ	Flat-Top Beam Expander, 20 mm dia collimated output
ELG-45- λ	Flat-Top Beam Expander, 45 mm dia collimated output
GCE-9	Flat-Top Converter element, mounted

λ : When ordering, specify wavelength for AR coatings.



GAUSSIAN COMPENSATING PLATE

See www.innpho.com for update on Our Gaussian Compensating Plate.

Catalog

<u>Number</u>	<u>Dimensions</u>
WCG-25	1" dia x 1/4" thick
WCG-51	2" dia x 1/4" thick