

# NEGATIVE FRESNEL LENSES

Part Number	Focal Length	Facet Spacing	Fresnel Conjugate	Plano Conjugate	Clear Aperture	Thickness
SC 259 neg.	-18.3 mm	0.254 mm	infinity	-18.3 mm	16.6 mm	1.8 mm
SC 239 neg.	-102.8 mm	0.508 mm	infinity	-102.8 mm	139.4 mm	1.8 mm
SC 902 neg.	-129.6 mm	0.254 mm	infinity	-129.6 mm	230.1 mm	1.8 mm
DC 1100L neg.	-185.8 mm	0.508 mm	infinity	-185.8 mm	269.0 mm	1.8 mm
DC 427L neg.	-205.7 mm	0.508 mm	infinity	-205.7 mm	302.0 mm	1.8 mm
DC 434U neg.	-255.3 mm	0.508 mm	infinity	-255.3 mm	302.0 mm	1.8 mm
SC 973 neg.	-508.0 mm	0.508 mm	infinity	-508.0 mm	408.7 mm	1.8 mm
SC 2135 neg.	-764.0 mm	0.508 mm	infinity	-764.0 mm	436.3 mm	1.8 mm

## Notes:

- Focal lengths listed apply to 546 nm for PMMA (tolerance  $\pm 5\%$ ).
- The standard material used is PMMA (refractive index = 1.49; relative dispersion = 58). Other materials are available.
- The mentioned thickness value is our standard thickness. Other thicknesses ( $\geq 0.8$  mm) are possible.
- Outside diameter / size may be up to 5 – 20 mm beyond clear aperture. Other dimensions or special trimmings can be realized upon request.
- To determine the number of lines per mm, use 1/facet spacing.
- Special designs possible on request.
- All specification are subject to change without prior notice.

Engineered to Manage Light™

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