

FRESNEL CYLINDRICAL LENSES

Part Number	Focal Length	Facet Spacing	Fresnel Conjugate	Plano Conjugate	Clear Aperture	Thickness
CY 575	12.7 mm	0.127 mm	12.7 mm	infinity	311.7 x 13.2 mm ²	1.8 mm
CY 585	37.6 mm	0.254 mm	infinity	37.6 mm	206.7 x 42.6 mm ²	1.8 mm
CY 581	76.2 mm	0.254 mm	infinity	76.2 mm	364.5 x 77.4 mm ²	1.8 mm
CY 570	138.0 mm	0.254 mm	390.5 mm	211.7 mm	142.6 x 117.0 mm ²	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 (≥ 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 specifications are subject to change without prior notice.

Engineered to Manage Light™

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