

FRESNEL PRISMS

Part Number	Prism Angle	Deflected Angle	Facet Spacing	Clear Aperture	Prism Length	Thickness
PR 727	11°	5°	0.508 mm	303.7 x 164.4 mm ²	303.7 mm	1.8 mm
PR 709	20°	10°	1.016 mm	216.6 x 216.6 mm ²	216.6 mm	1.8 mm
PR 723	24°	12°	0.152 mm	165.2 x 165.2 mm ²	165.2 mm	1.8 mm
PR 675	30°	15°	0.330 mm	456.5 x 374.0 mm ²	456.5 mm	2.5 mm
PR 729	31°	16°	0.152 mm	241.7 x 240.3 mm ²	241.7 mm	1.8 mm
PR 712	41°	23°	0.127 mm	147.6 x 146.7 mm ²	147.6 mm	1.8 mm

Notes:

- 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 $1/\text{facet spacing}$.
- Special designs possible on request.
- All specifications are subject to change without prior notice.

Engineered to Manage Light™

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