

FRESNEL BEAMSPLITTER

Part Number	Prism Angle	Separation Angle	Facet Spacing	Clear Aperture	Prism Length	Thickness
PR 775	20°	20°	0.508 mm	369.4 x 367.0 mm ²	369.4 mm	2.5 mm
PR 765	30°	32°	2.000 mm	164.9 x 164.7 mm ²	164.9 mm	1.8 mm
PR 703	39°	42°	0.508 mm	308.6 x 308.6 mm ²	308.6 mm	1.8 mm
PR 757	45°	51°	1.016 mm	256.4 x 206.9 mm ²	256.4 mm	1.8 mm
PR 713	45°	51°	0.305 mm	340.1 x 269.2 mm ²	340.1 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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