

## Positive Fresnel Lenses

A positive Fresnel Lens can be designed as a collimator, collector or with two finite conjugates. Fresnel lenses are usually corrected for spherical aberrations. Positive lenses can be metalized for use as a second surface reflector and Negative lenses can metalized for use as a first surface reflector.

Designs Available for Manufacture

All dimensions in mm

Part Number	Focal Length	Facet Spacing	Fresnel Conjugate	Plano Conjugate	Clear Aperture
SC245	10.9	0.125	10.9	infinity	6.4
SC259	17.0	0.254	infinity	17.0	17.0
SC256	25.4	0.508	infinity	25.4	61.5
SC234	38.1	0.381	38.1	infinity	57.1
SC252	47.5	0.076	47.5	infinity	63.5
SC235	50.8	0.229	infinity	50.8	76.2
SC211	57.6	0.076	264.0	74.0	89.0
SC277	68.0	0.076	infinity	68.0	89.0
SC236	71.1	0.279	infinity	71.1	101.6
SC237	76.2	0.254	infinity	76.2	63.5
SC251	77.7	0.127	77.7	infinity	81.3
SC239	101.6	0.508	infinity	101.6	137.2
SC228	110.2	0.508	infinity	110.2	163.8
SC255	127.0	0.254	infinity	127.0	108.0
SC209	139.7	0.254	infinity	139.7	152.4
SC223	152.4	0.254	infinity	152.4	203.2
SC246	203.2	0.457	infinity	203.2	228.6
SC264	230.2	0.508	infinity	230.2	254.0
SC221	254.0	0.508	infinity	254.0	254.0
SC921	254.0	0.254	infinity	254.0	254.0
SC208	279.4	0.508	infinity	279.4	406.4
SC268	304.8	0.508	infinity	304.8	309.9
SC240	317.5	0.205	infinity	317.5	381.0
SC2045	391.2	0.508	6096.0	419.0	457.2
SC229	400.0	0.508	infinity	400.0	387.1
SC273	508.0	0.203	749.0	1575.0	406.4
SC214	609.6	0.508	infinity	609.6	463.6
SC2135	762.0	0.508	infinity	762.0	438.0

Reflexite® is a registered trademark of Reflexite Corporation, Avon, CT, USA.  
 Technical Publication FOI-101, Pub. 1998, Rev. 10  
 © 2006. Reflexite Display Optics