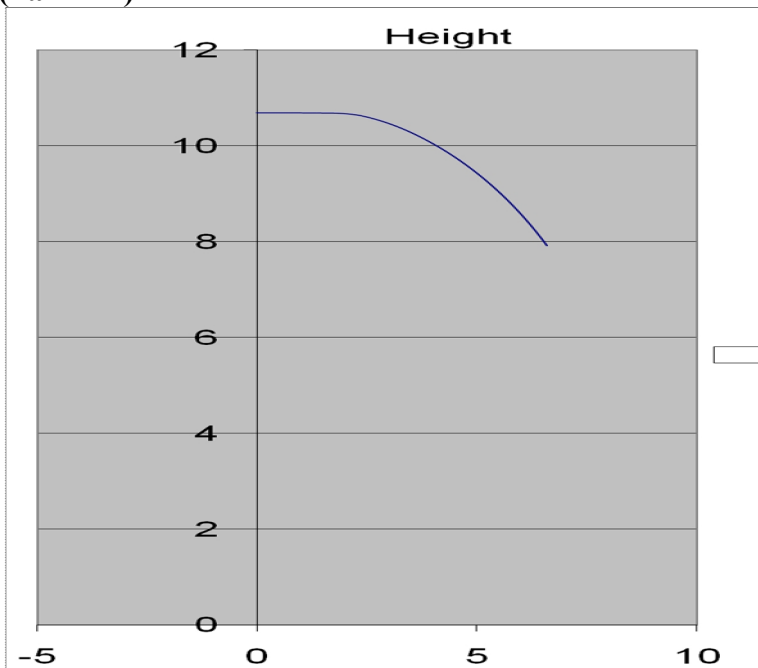




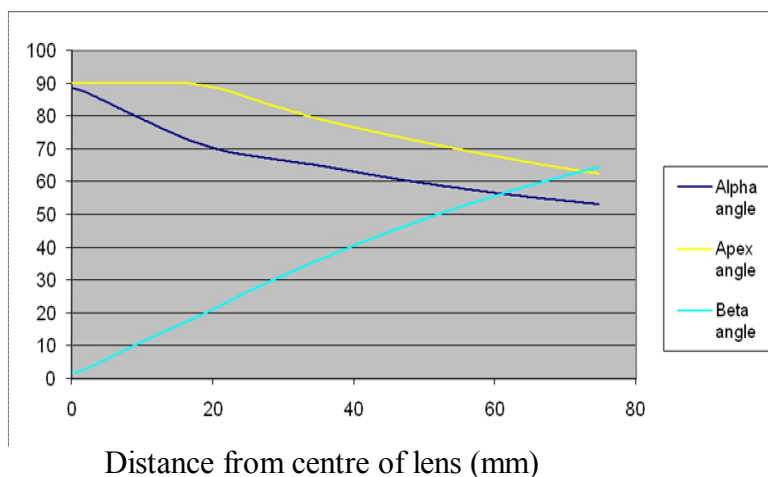
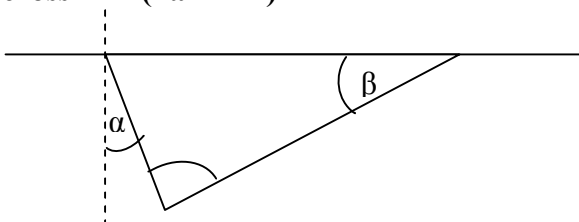
# Linear Fresnel Lens Film

## K R35/

Film Overall Shape (half film)



Prism facet angle variation across film (half film)



### Sample material data sheet

<b>Material status</b>	<b>Development sample</b>
<b>Batch No.</b>	
<b>Material type</b>	<b>Curved Linear Fresnel micro-prism film</b>
<b>Description</b>	Micro-structured polymer layer cast onto PMMA base film.

Parameter	Value	Tol.	Unit	Remarks	
<b>Physical properties</b>					
Appearance	-	-	-	Transparent film	
Total thickness	127	± 5	µm		
Prism pitch		-	µm	Variation across film	
Prism facet depth	35	±1	µm		
<b>Optical properties</b>					
Transmittance	94	±2	%	Light incident on smooth side	
Haze	86	±2	%		
Colour (transmission)	L*	98	±2	-	CIE Lab colour space
	a*	-0.26	±0.03	-	
	b*	-1.27	±0.03	-	
Reflectance	SCI	11.9	±2	%	% Reflectance at 550nm
	SCE	10.6	±2	%	
Angle of View	40	±2	°	Collimated light incident on plain side	
	60	±2	°	Collimated light incident on prismatic side	
Gain	150	±3	-		