



## 26° Light Turning Film APF36/55/105/250PC

### Technical Specification

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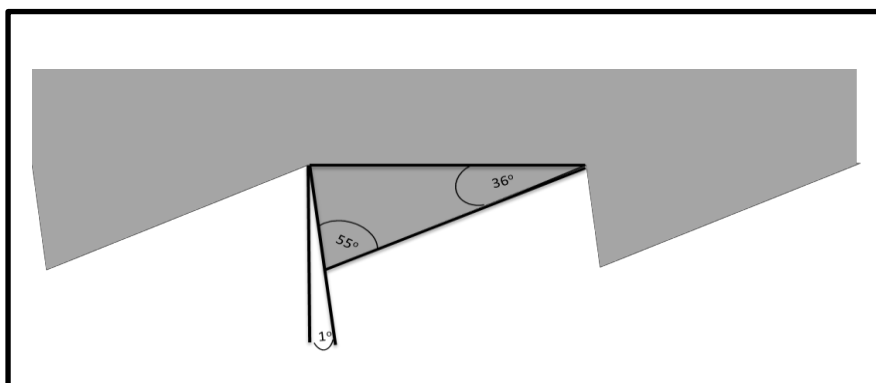
### Description

An asymmetrical prism structure with a 36 degree bottom angle and 55 degree top angle produced on the surface of a 250 micron PC base film by U.V. casting with acrylic based lacquer.

### Applications

This film is used mainly to turn the beam angle of a light source to produce an off axis beam pattern. It can be used for lighting and display applications.

### Structure

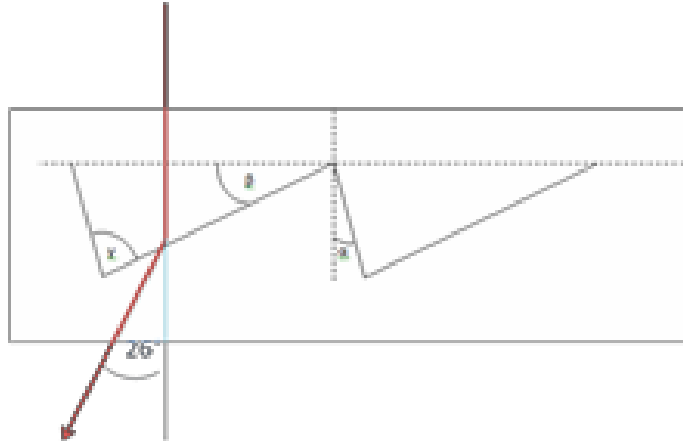


Parameter	Value	Tolerance	Remarks
Prism Height	76 microns	+/- 2 microns	
Prism Pitch	105 microns	+/- 1 microns	
Prism Angle	36°		
Top Angle	55°	+/- 20 minutes arc	
Draft Angle	1°		
Base film material	250 microns		Polycarbonate
Total thickness	326 microns	+/- 5 microns	
Product format	On reel		Produce on reels (structure parallel to long edge)
Film width	<275mm		Can be slit to widths up to 275mm

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### Optical Properties

APF36/55/105 uses refraction to deflect light. Light incident at 90 degrees will be deflected through around 26°.



### Handling

As with all precision optical films care should be taken when handling. Surgical gloves should be worn to avoid fingerprinting. Care should be taken to avoid scratching the film surface. Films should be handled in a clean, dust free environment with a liner used on surfaces to protect the structure. The film can be easily cut using a guillotine, sharp bladed knife or scissors.

### Sales contact details

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