

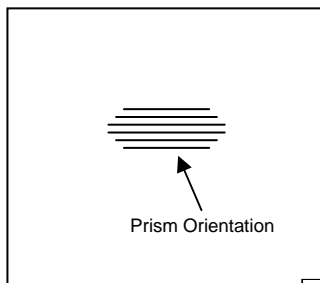
Reflexite Collimating Film RCF90C Kit

Product Kits

RCF90C Kits each contain 30 sheets of material. One sheet should be crossed with another for this application. All sheets are 13" x 13" in size and have a notch in the lower right-hand corner of the material to indicate prism orientation.

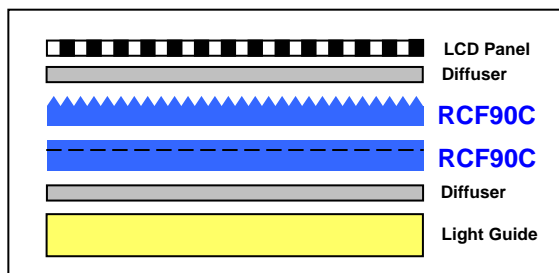
Film Orientation

The prismatic groove direction of RCF can be determined by placing the film's notch in the lower right-hand corner as shown in the illustration below. In this orientation, the prismatic structure will be facing up with the grooves running parallel to the length of the notch. A colored premask will be covering the prismatic structure while a clear premask will cover the engineered backside.



Application Procedure

RCF is placed within the backlight of an LCD system as shown in the illustration below.



Installation Guidelines

The following steps are a guideline for putting RCF into your LCD application.

1. With the premasks on the RCF, convert the film to the desired part size using your preferred method.
 - a. Die cutting – will provide the cleanest edges
 - b. Shear cutting – may result in rough edges
2. Remove the clear premask from the engineered backside of the film. Clean-room gloves should be worn during this and subsequent steps.
 - a. Place the film on a clean, flat surface
 - b. Apply a piece of tape near the corner of the film leaving a tab to use for pulling
 - c. Using the tape tab, peel the premask off the film at roughly 180°
3. Remove any loose debris from the surface using compressed air.
4. Place the film into the backlight with the engineered backside towards the light source.
5. Remove the colored premask from the prismatic side of the film
 - a. Apply a piece of tape near the corner of the film leaving a tab to use for pulling
 - b. Using the tape tab, peel the premask off the film at roughly 180°
6. Remove any loose debris from the surface using compressed air.
7. Repeat process for adding second sheet of film.

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