

# 3M™ Dual Brightness Enhancement Films (3M™ DBEF)

- DBEF-D2-280 Auto
- DBEF-D2-400 Auto
- DBEF-D3-260 Auto

## Product Description

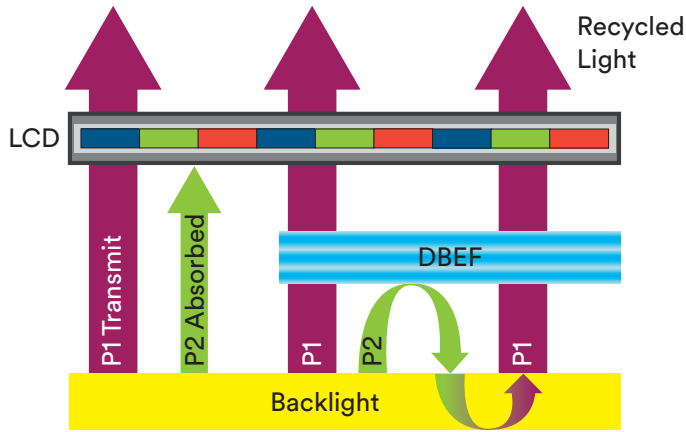
3M™ Dual Brightness Enhancement Films (DBEF) manage the polarization output of light from liquid crystal display backlights. DBEF recycles light that would normally be absorbed by the rear polarizer. This increases the amount of light available for viewing the display.



## Construction/Performance

Product	DBEF-D2-280 Auto	DBEF-D2-400 Auto	DBEF-D3-260 Auto
Effective Transmission	1.6	1.6	1.6
Caliper (microns)	280 +/- 40	390 +/- 40	255 +/- 40
Haze (%)	75.5 +/- 10	79.5 +/- 10	79.5 +/- 10
Outer Skins	Polycarbonate	Polycarbonate	Polycarbonate

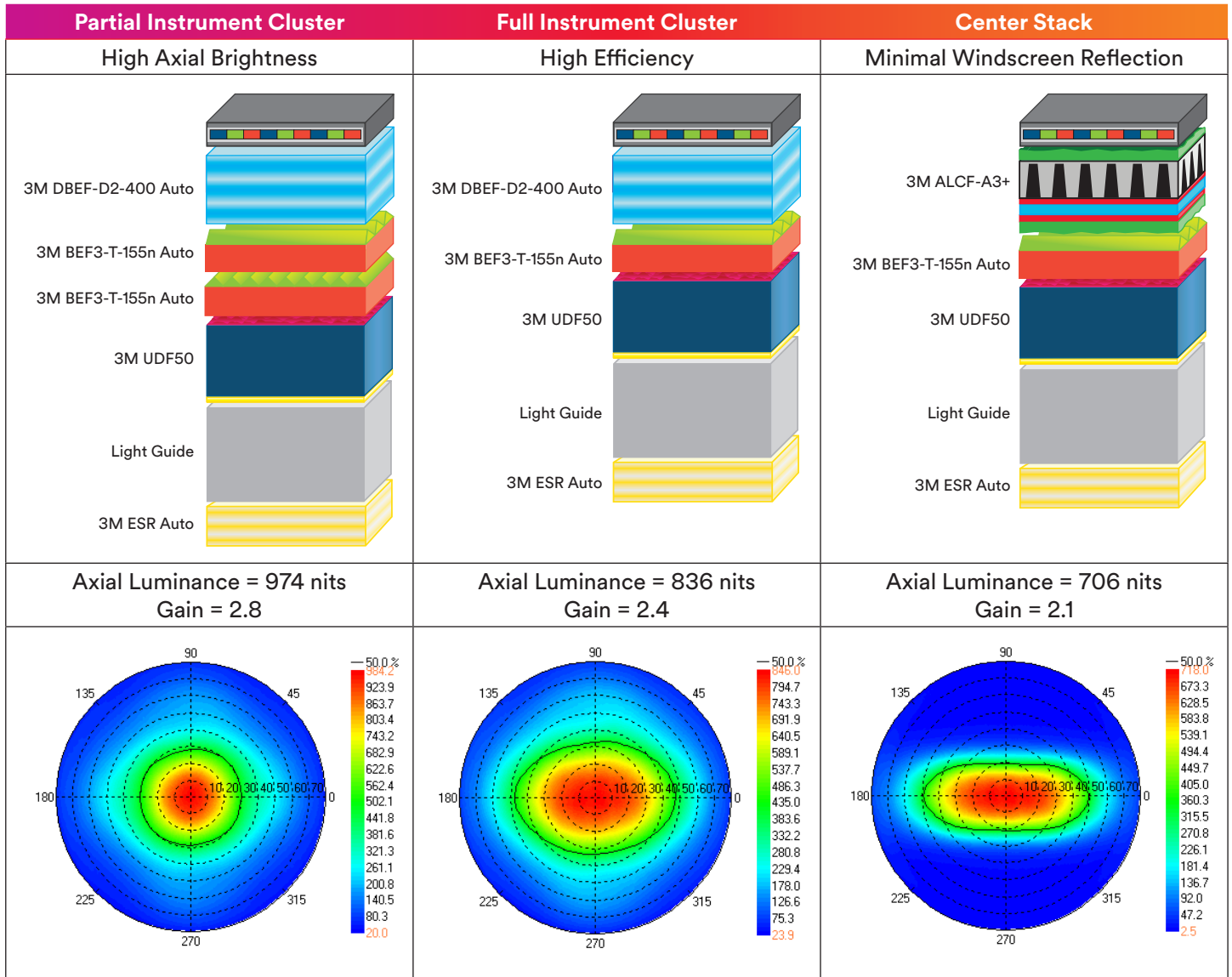
## Polarization Recycling



## Automotive Environmental Testing

	Condition	Time
High Temperature	95°C	1000 hours
Low temperature	-40°C	1000 hours
Temperature/ Humidity	65°C/90%RH	1000 hours
Thermal Shock	-40°C to 95°C	1 hour dwell/ 100 cycles

## Automotive Display – Recommended Solutions



## Technical Information

The technical information, recommendations and other statements contained in this document are based on tests or experience 3M believes reliable, but the accuracy or completeness of such information is not guaranteed.

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### 3M Display Materials & Systems Division

3M Center, Building 235-1E-54  
St. Paul, MN 55144-1000 U.S.A.

Phone 1-800-3M HELPS  
Web 3M.com/displayfilms

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dz19956



**Requester:** Kristin Wincek  
**Creator:** deZinnia\_19956  
**File Name:** dz19956\_TechDataSheet\_DBEF.indd  
**Structure #:** N/A  
**Date:** 03/14/16

**Printed Colors – Front:**



**Printed Colors – Back:**



**Match Colors:**

Scale:  1 Inch

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