

3M™ Brightness Enhancement Films (3M™ BEF)

- BEF2-T-155n Auto
- BEF3-T-155n-Auto
- BEF3-M2-155n-Auto
- BEF4-GT-90(24)-Auto

Product Description

3M™ Brightness Enhancement Films (BEF) manage the angular output of light from liquid crystal display backlights. BEF films use a prismatic structure to focus light towards on-axis viewers of the display. BEF films can be used alone or two films can be crossed at 90 degrees to each other.



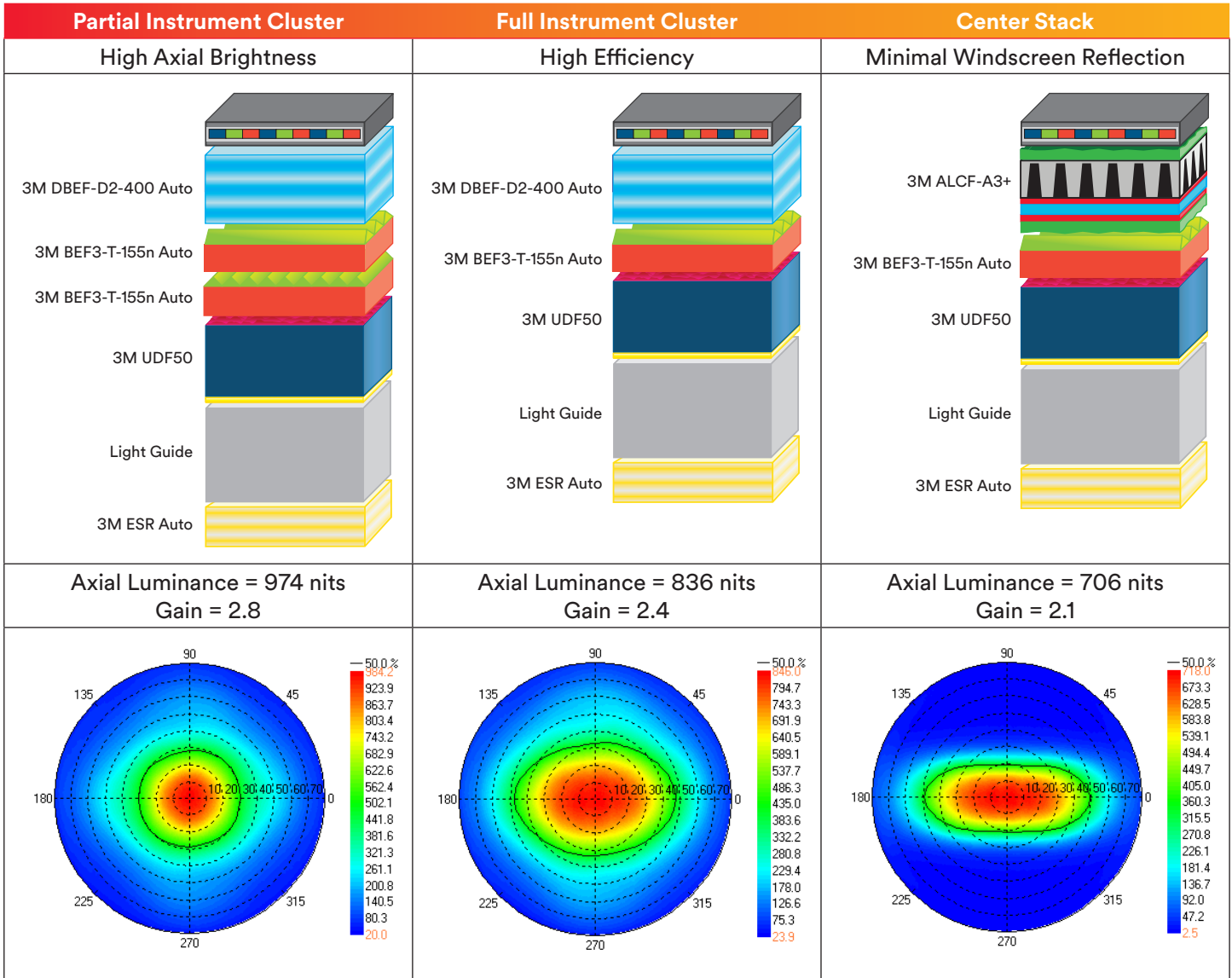
Construction/Performance

Product	BEF2-T-155n-Auto	BEF3-T-155n-Auto	BEF3-M2-155n-Auto	BEF4-GT-90(24)-Auto
Effective Transmission	1.56	1.53	1.5	1.62
Caliper (microns)	150 +/- 10	155 +/- 10	154 +/- 15	90 +/- 7
Prism Angle (degrees)	90	90	90	90
Prism Pitch (microns)	50	50	50	24
Non-halogenated	Yes	Yes	Yes	Yes

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

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dz19955



Requester: Kristin Wincek
Creator: deZinnia_19955
File Name: dz19955_TechDataSheet_BEF.indd
Structure #: N/A
Date: 03/14/16

Printed Colors – Front:



Printed Colors – Back:



Match Colors:

Scale:  1 Inch

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