

Low Viewing Angle – Fiber Optic Faceplates

Next Generation Defense Display Technology for Defense



Performance Characteristics

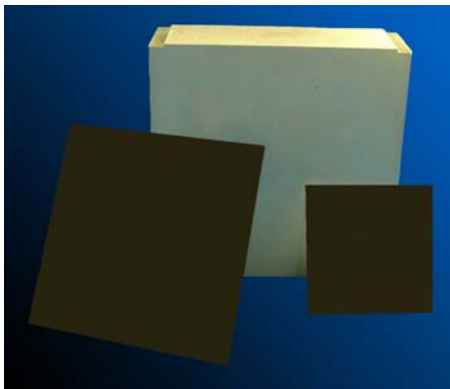
- 40 degree total included viewing angle
- Optical "cut-off" is independent of viewing orientation
- Superior performance compared to existing privacy screens
- Zero depth imaging window characteristics, brings images to top surface
- Thermally stable over a wide temperature range
- Materials do not degrade due to UV exposure
- Liquid and vacuum tight for environmental protection
- Sized customized up to 15 cm x 15 cm, larger formats in development
- Glass materials provide inert and durable surface properties
- Compatible with LCD, LED and OLED display technologies

Specifications

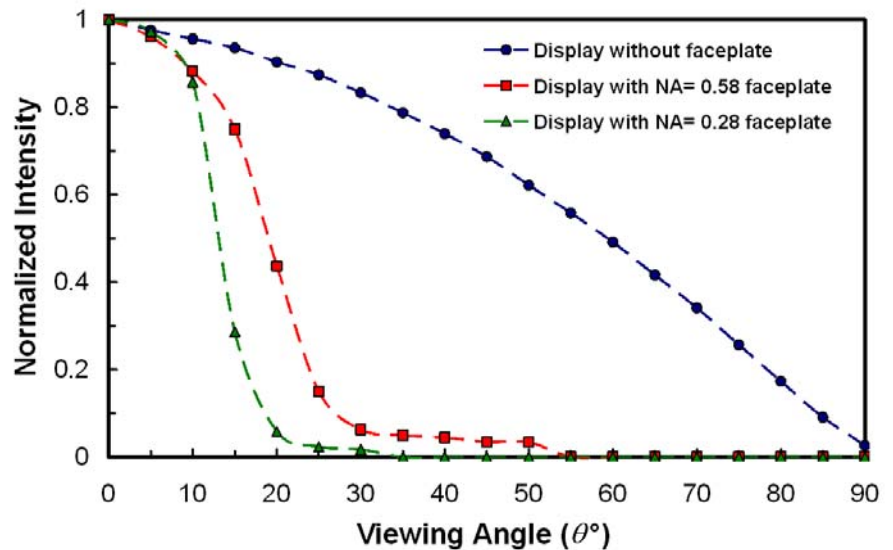
Numerical Aperture (NA):	0.35 (or a 40 degree cone angle)
With EMA:	Stray Light Control
Material Designation:	55A
Fiber Size:	60 microns
Resolution:	10lp/mm
CTE:	78 x 10 E-7 1/K
Transmission	65-70% (collimated, no AR coatings)
Thermally Stable:	-40 to +200 °C (minimum range)

Compatible with most optical coatings (AR, Hot Mirror, etc...)

Materials do not degrade with UV exposure



Optical Cutoff Characteristics of Low Numerical Aperture Fiberoptic Faceplates



For more information please contact

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