SCHOTT® Defined Viewing Angle Faceplates

Next generation fiber optics display technology for defense

Performance Characteristics

• 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
• Glass materials provide inert and durable surface properties
• Compatible with LCD, LED and OLED display technologies

Example application of an optical “cut-off” from a defined viewing angle faceplate
Specifications*

Sizes Available: up to 275 x 275mm

Numerical Aperture (Viewing Angle) Available: .28 (32°), .35 (41°), .58 (71°)

With EMA: Stray Light Control

Fiber Size: 25 – 75µm

Thermally Stable: -40 to +200 °C (minimum range)

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

Materials do not degrade with UV exposure

* Design and Manufacture according to customer’s request. Please contact our sales department for further details.

Optical Cutoff Characteristics of Defined Viewing Angle Faceplates