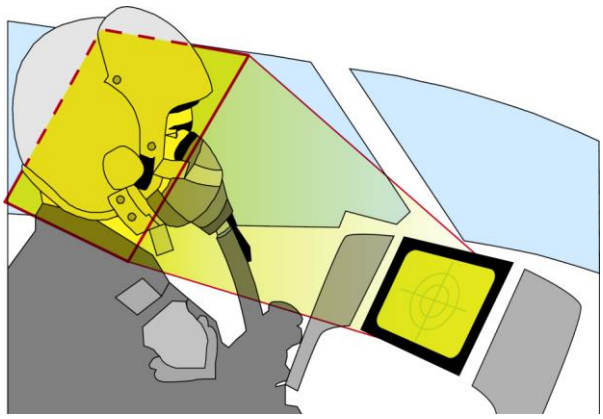
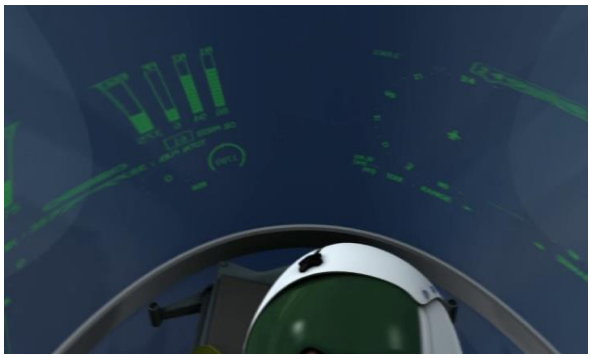
# SCHOTT® Defined Viewing Angle Faceplates

Eliminate canopy reflections. Designed for aviation and vehicle cockpits as well as hand-held and field deployable displays and other fiber optic display technologies for defense.

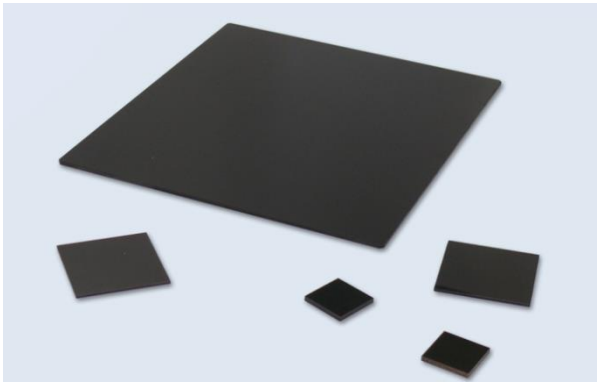


Virtual example of “HeadBox” in aircraft cockpit, to eliminate reflections



Virtual example of spurious cockpit reflections and “ghost images”

SCHOTT’s Defined Viewing Angle Faceplate control the display’s viewing angle so that the display is only visible within pilot’s “Head Box” or desired range of motion within the cockpit. This light control technology virtually eliminates distracting internal canopy reflections thus providing improved situational awareness.



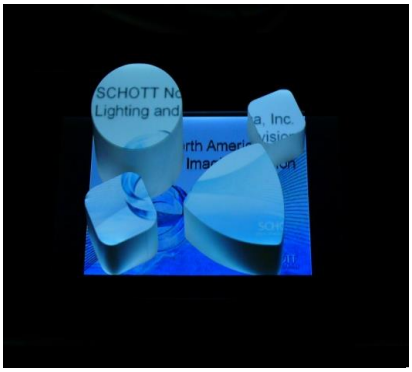
Example of Defined Viewing Angle Faceplates

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

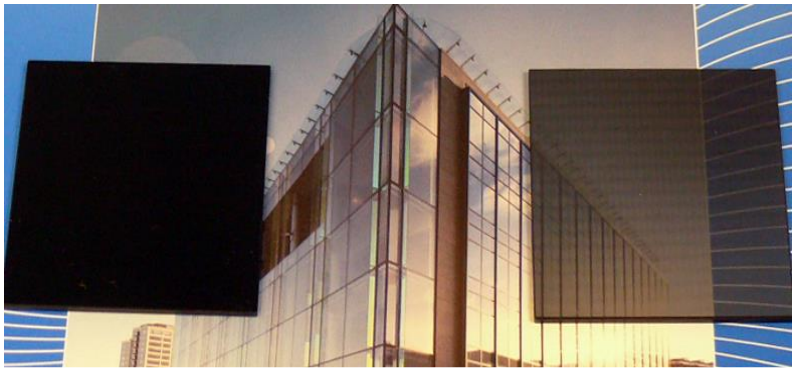
## Performance Characteristics

- 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

SCHOTT
glass made of ideas



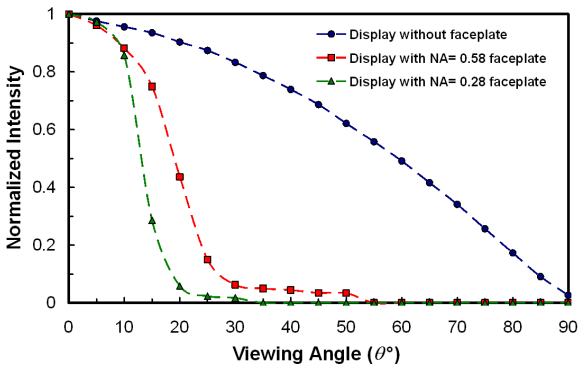
Example of SCHOTT's "Zero Depth" Faceplates with a large viewing angle



Example of defined viewing angle faceplates with different optical "cut-offs"

| **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




ENGLISH Version .07.2018



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