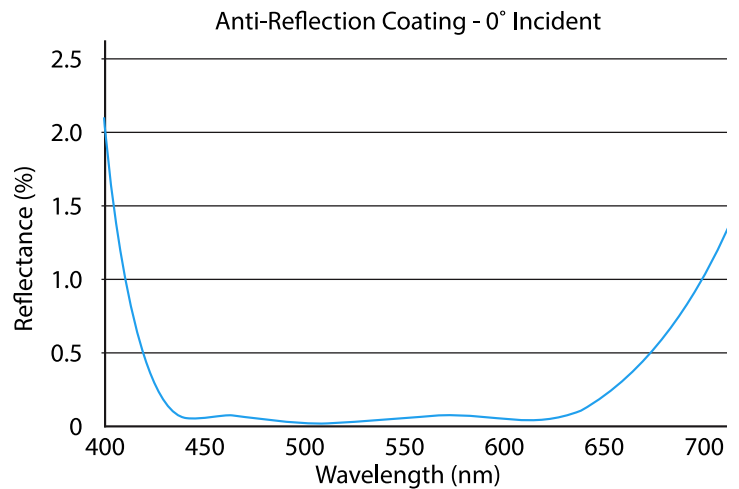# Broadband Visible Anti-Reflection Coated Windows

Anti-reflection coatings are designed to reduce the back reflections from a glass window. A standard, uncoated glass window reflects approximately 5% of the incident light back from each surface. An Oxley Broadband Visible Anti-Reflection Coated Window has a coating applied to each surface which almost totally eliminates these back reflections. This has two advantages for a display. It reduces the effect of unwanted ambient reflections from the outside and increases the transmission of the visible light source on the inside. Shadowing and ghosting effects are also reduced giving an overall improvement on the performance of any visible display. This window is tuned for an angle of incidence of 0°. Other angles are available.

Anti-Reflection Coating - 0° Incident

[Technical Information

Substrate Material	Borosilicate
Dimension Tolerance	± 0.10mm
Thickness Tolerance	± 0.05mm
Design Angle of Incidence	0°
Surface Quality	60/40
Coating	Anti-Reflection coating both sides Average reflectance: 0.33% per side (400mm - 700mm)

[Ordering Information

0° incident broadband visible anti-reflection windows are available in 3 standard sizes.

OXL/AR175/254D	25.4mm dia, 1.75mm thick
OXL/AR175/254/254	25.4mm x 25.4mm x 1.75mm
OXL/AR175/508/508	50.8mm x 50.8mm x 1.75mm

Other sizes, thicknesses and incident angles are available on request. Thickness limit: 0.5mm to 5mm. Upper size limit: 120mm x 120mm.

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