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Sapphire AR Beamsplitter

Technical specification

Sapphire AR Beamsplitter is renowned for its “no ghosting” effect and silver/white color reflectance. This product is made for teleprompters, vision systems, flight simulators and for other related applications. There are two different types of products – with 35% visible reflectance, mostly used for teleprompters, and 50% visible reflectance which is the preferred choice for holographic display producers. Sapphire AR Beamsplitter has an elegant silver reflection color that remains stable under various angles of viewing.

Optical properties

Optical performance and additional information about the products are described below :

Product		ARB 35	ARB 50
Visible Light Transmittance at 45° angle (380-780nm, according to EN410)		$64 \pm 5 \%$	$51 \pm 5 \%$
Visible Light Reflection at 45° angle (380-780nm, according to EN410)	Anti-reflective side	$\leq 1,0 \%$	$\leq 1,5 \%$
	High-reflective side	$35 \pm 5 \%$	$48 \pm 5 \%$
Reflection colour		Silver	
Glass Substrate Type*		Low iron	
Glass substrate Thickness, mm*		3 to 6 mm	

* For other thicknesses or substrate type, please contact sales@groglass.com

Mechanical and chemical properties

The substrate used for products complies with EN 572 .

The product performance is listed below:

Temperable	NOT TEMPERABLE
Bendable	NOT BENDABLE

Technical information

The size of the stock sheet (gross size) is 3210 x 2250 mm (126" x 88"). Standard packaging is in Endcaps (max. 2.2 t) and packed through polyethylene foil. For quantities in one package see the table below:

Thickness	Quantity
3 mm	36 pcs
4 mm	27 pcs
5 mm	21 pcs
6 mm	18 pcs

For other packing options or net sheet sizes, contact sales@groglass.com.

Information about Storage, Handling, Washing e.t.c. can be found in "Handling and cleaning Guidelines"

Example spectra for Sapphire AR Beamsplitter™:

