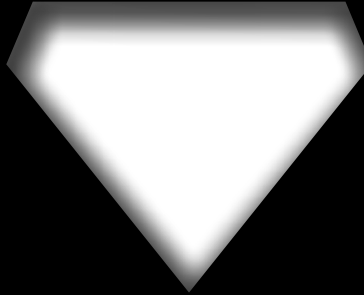




sapphire

LIGHTING

SEE WHAT'S IMPORTANT



IMPROVED TRANSMISSION

By combining the clearest glass with an advanced, absorption-free, thin metal oxide coating, Sapphire™ increases light transmission by 8%. This ensures up to 98% light transmission.

NO REFLECTION

Sapphire™ virtually eliminates glare by reducing reflection to < 1%. This is 8 times less than regular glass.

MANY PROCESSING POSSIBILITIES

Sapphire™ coated glass can undergo the same processing as ordinary glass*, such as tempering, drilling, edging, polishing, gluing and printing.

ABRASION RESISTANT AND EASY TO CLEAN

Now with a proprietary top coating, Sapphire™ can be easily cleaned with any appropriate cleaner*. The top coating makes the Sapphire™ product line scratch-resistant for easier processing and use.

HIGH DURABILITY AND LONG LIFETIME OF THE COATING

Durability performance meets ISO standards. Suitable for outdoor use.

* Please refer to Groglass® Handling Guidelines

SAPPHIRE™ BY GROGLASS® FOR LIGHTING APPLICATIONS



SAPPHIRE™ COATING ON GLASS FOR LIGHTING APPLICATIONS PROVIDES THE HIGHEST LIGHT TRANSMISSION TO SAVE ENERGY.

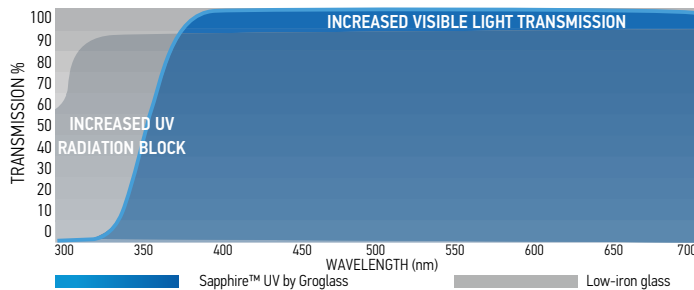
PRODUCT DETAILS

PRODUCT	GLASS SUBSTRATE*	GLASS THICKNESS*, mm	MAXIMUM SIZE, mm	LIGHT TRANSMISSION	LIGHT REFLECTION (PER SIDE)
SAPPHIRE AR™	Low-iron	2 - 4	2250x3210	~98%	< 0.5%
SAPPHIRE AR UV™	Low-iron	2 - 4	2250x3210	~98%	< 0.5%

*For Borosilicate glass, regular float glass and other thicknesses please contact us at sales@groglass.com

OPTICAL PERFORMANCE AND DATA

LIGHT TRANSMISSION (VISIBLE LIGHT SPECTRUM) / LIGHT TRANSMISSION (UV AND VISIBLE LIGHT SPECTRUM)



DURABILITY



Groglass® declares that Sapphire™ products comply with the essential requirements of the relevant EU health, safety and environmental protection legislation.

- ▽ Abrasion Test ISO 9211
- ▽ UV and condensation EN 1096-2
- ▽ Climate cycling EN 1279-2
- ▽ Neutral salt spray EN 1096-2
- ▽ Coating Adhesion ISO 9211

ABOUT US

Sapphire™ is manufactured by Groglass® - located in Riga, Latvia. Groglass® delivers anti-reflective glass worldwide - to more than 40 countries. Sapphire™ is used for a wide range of applications - high-end electronic displays, lighting fixtures, picture framing and luxury architectural solutions.



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