

# Low Iron Soda-Lime Glass

## Glass Fabrication



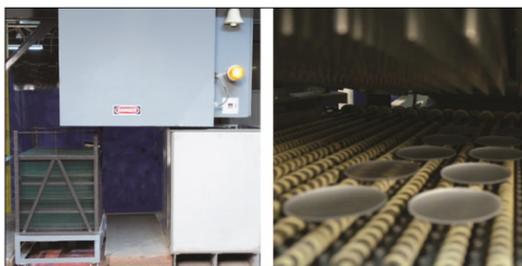
## Coating Deposition



## CNC Machining



## Strengthening - Chemical & Heat



## Screen Printing of Graphics



Abrisa Technologies, a member of HEF Photonics, is a globally recognized technology glass fabrication and optical thin film coating company with expertise in high volume manufacturing and engineering capabilities, delivering Total Solutions that provide excellent performance, fitness-for-use and economies of scale.

Our US based, state-of-the-art ISO 9001:2015 and ITAR registered facilities include Abrisa Industrial Glass in Santa Paula, CA and ZC&R Coatings for Optics in Torrance CA. These two divisions produce solutions from cut-to-order coated glass components to custom complex and ready-to-install fabricated, strengthened, optically coated, electronically enabled and branded sub-assemblies.

Our Total Solutions serve a variety of markets including Micro-Electronics, Defense and Avionics, Display, Industrial Automation, Optical Sensors, Imaging, Photonics, Medical & Dental, Life Science and more.



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# Low Iron Soda-Lime Glass

Low iron soda lime is created by using high quality grades of silica sand that are virtually free of iron oxides. This results in a transparent, "water white" glass that has higher transmission characteristics compared to normal soda lime. The difference is usually 2-3% at thicknesses 10mm and up to 8% greater transmission for thicker low iron glass. Even higher transmission (up to 98-99% total transmission) can be achieved by specifying an anti-reflective thin film coating.

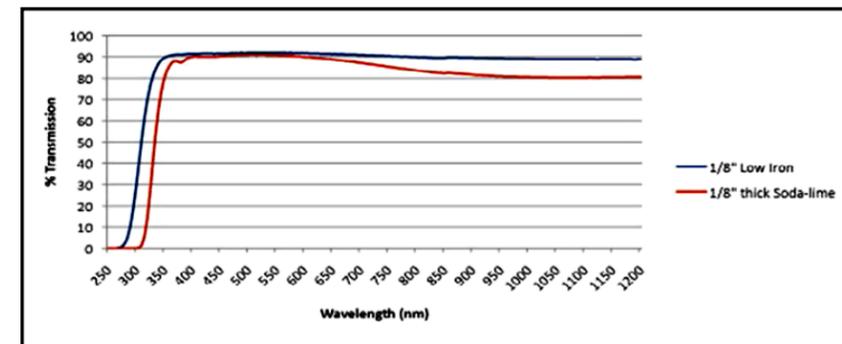
## Features:

- Higher Light Transmission
- Can be AR Coated for Super-High Transmission
- Can be Chemically Strengthened
- Good Flatness
- No Green Tint - Optically Clear

## Applications:

- Port Projection
- Display
- Lighting
- Optics
- Architectural

Low Iron vs. Soda-Lime Glass



## Dimensions:

Thicknesses: 1mm - 12mm Thick  
Sheet Sizes: Up to 130" x 96"  
(3302 x 2438.4 mm)