

# VISION-LITE® II

Anti-reflective glass  
for display cabinets



Sustainability is at the heart of our global strategy: contributing responsibly to the development and protection of our planet.

In this regard, our products have an EPD Environmental Product Declaration which is a public, standardized and third-party verified certification.



**I VETRI NON SONO TUTTI UGUALI!**



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## Outstanding transparency and energy performance for your display cabinets!

### APPLICATIONS

VISION-LITE® II anti-reflective glass is ideal for the doors of the refrigerated display cabinets and for commercial freezers, placed in the food stores, convenience stores, supermarkets etc.

### BENEFITS

VISION-LITE® II offers a lot of advantages when installed in a door of refrigerator or freezer:

- extremely clear vision through the glass, making it almost invisible:
  - very high transparency
  - very low light reflectance (around 8 times less reflection as for a conventional glass)
- clarity of displayed goods: excellent contrast and color rendering
- neutral residual color
- can be used as single or double glass unit
- safety glass once it has been tempered
- available as an option with one low-E coating on the opposite side of the anti-reflective coating, to provide energy savings and reduced condensation risk, in addition to the extreme transparency
- can be screen-printed
- easy-to-clean surface
- food compatible

### DESCRIPTION

VISION-LITE® II is made of a clear float glass on which a thin transparent anti-reflective coating has been deposited on one or both sides, by magnetically enhanced sputtering under vacuum conditions. The final optical properties are reached after glass thermal tempering.

### PRODUCT RANGE

VISION-LITE® II is available in jumbo sheet of size 6.000 x 3.210 mm on clear float glass. Please contact us for other sizes and thicknesses, or for one coated side only.

PRODUCT	THICKNESS	COATED SIDES	USE
VISION-LITE® II	4 - 6 mm	Anti-reflective coating on sides #1 and #2	Single glass or multiple glazed unit
SEMI VISION-LITE® II PLANITHERM® UN® II	4 mm	2 Anti-reflective coatings including 1 Low-E	Multiple glazed unit with low-E coating inside the cavity

### PROCESSING

After cutting and edge working, both VISION-LITE® II and SEMI VISION-LITE® II PLT UN II need to be tempered in order to reach their declared performances. SEMI VISION-LITE® II PLT UN II must be assembled in IGU, with the low-E coating placed inside the cavity. Please contact us for technical support.

### PERFORMANCES

The performances and quality of VISION-LITE® II comply with the requirements of the EN 1096 standard.

PRODUCT	Composition (mm)	LT%	LR%	Ug (W/m²K)
PLANICLEAR® clear float glass	4	91	8	5,8
VISION-LITE® II	4	97	1	5,8
DGU with 2 x PLANICLEAR®	4/16/4	83	15	2,6
DGU with 2 x VISION-LITE® II	4/16/4	95	3	2,6
DGU with PLANITHERM® UN II + PLANICLEAR® #3	4/16/4	80	12	1,1
DGU with VISION-LITE® II + SEMI VISION-LITE® II and PLT UN II #3	4/16/4	89	3	1,1
TGU with 2 x PLANITHERM® UN II + PLANICLEAR®	4/14/4/14/4	71	16	0,6
TGU with VISION-LITE® II + 2 x SEMI VISION-LITE® II and 2 x PLT UN II	4/14/4/14/4	82	5	0,6

LT: Light Transmittance ; LR: Light Reflectance. Values after tempering, according to the EN norms, provided that the glass has been tempered in respect with the Saint-Gobain instructions.

**Note:** The residual reflectance of VISION-LITE® II is very low (around 1%). It is however still visible under certain lighting conditions, viewing angles and in certain surrounding environments. The residual reflectance depends on the angle from which it is viewed. Perpendicular to the glass, it is slightly bluish and can vary slightly.

Saint-Gobain Glass Italia S.p.A. reserves the right to make changes of any kind to one or more products at any time and without notice, as well as to cease production. The illustrations are for indicative purposes only.