asola VIRILUX® Insulating Laminated Glass Elements

Insulating laminated glass elements for post-and-beam-systems as facades and windows as well as for insulating overhead applications

asola
Technologies

High Energy Buildings - Innovative Technologies

Reliable Quality from Germany

PV laminated glass system featuring new type of plug-and-play bypass element - awarded General Building Approval under DIN 18008

- Special feature: Maintainable bypass element which can be accessed internally and replaced without dismantling modules

- Plug-and-play solution with cable harness and plug-in connection system in profile

- Sophisticated aesthetics thanks to differently coloured glass, cell colours and coatings

- Partial privacy protection (optional)

- Available with heat or sun protection coating, double or triple glazing

- Space between panes filled with inert gas (argon or krypton) depending on U-value required

- Compatible with all standard profile systems

- Highest quality „Made in Germany"

**asola Technologies GmbH**

Konrad-Zuse-Straße 25
D-99099 Erfurt

Fon +49 361 • 241 425-0
Fax +49 361 • 241 425-90

www.asola-tech.de
sales@asola-tech.de

TÜV THÜRINGEN CERT ISO 9001 TIC   TÜV THÜRINGEN CERT ISO 14001 TIC   TÜV THÜRINGEN CERT OHSAS TIC   Deutsches Institut für Bautechnik   DIBt

asola VIRILUX® Specification

Structure of PV insulated laminated glass element

|	
PV glass front	asola VITRUM® series Laminated safety glass
Dimensions W x H	Max. 3.55m x 2.15m
Glass colours	Various available
Rear	Toughened glass, heat-strengthened glass or laminated glass
Spacing	Customer-specific
Connection	Plug-in bypass element
Wiring	Plug-and-play cable harness (pre-assembled)
U-value (typical)*	Argon U = 1.1 W/m²K; Krypton U = 0.5 W/m²K
g-value**	Depends on transparency
Photovoltaic output	Customer-specific
Standards & approval	DIN 18008, abZ, DIN EN 14449, IEC 61215 & IEC 61730-1/-2
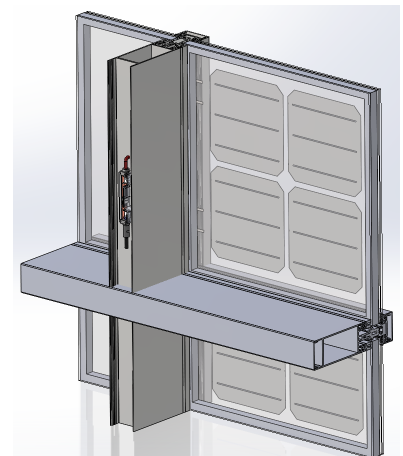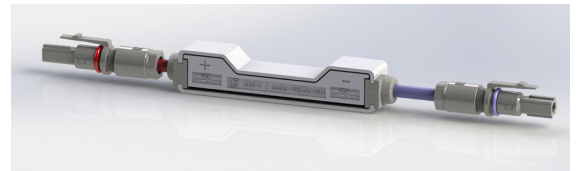
*   U-value: Thermal transmittance (EN 673),
     depends on glass specification;
     based on vertical installation situation
** g-value: Total solar transmittance (EN 410)

Rear: Toughened glass,
heat-strengthened glass, laminated glass

Spacer (highly insulated)

Front: PV laminated glass

Edge sealing with silicone or polyurethane
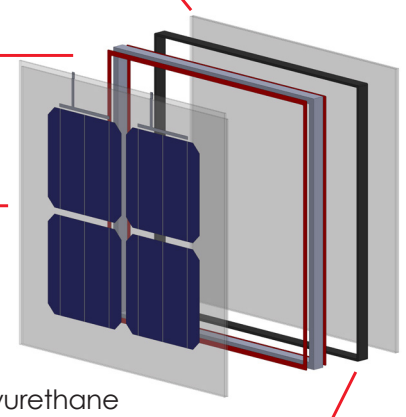
Correct as of June 2017. Subject to technical changes without notice. Errors and omissions excepted.

Warranty under German construction contract procedures (VOB) | 5-year guarantee on material and manufacturing defects (product warranty) | 12-year limited warranty of 90% of power output | 20-year limited warranty of 80% of power output