



SolaGlide Retractable Skylight Systems





Evelution of roofs SolaGlide Retractable Skylights “Everyone has a window seat”

Who wants to be inside on a sunny day or in the dark in rainy days?

Restaurant and cafe owners, make sure your clients have the pleasure of natural lights all the time and your outdoor seating is always revenue producing, no matter what the weather throws at you. Don't leave your customers in the dark with fabric or solid roofing!

Solaglide system is designed to provide excellent thermal and weather insulation for all climates. Thermally-broken mullions, insulated glass panels and structurally bonded to frames with extensive weather sealant components assure you safety and comfort. Main mullions, frames, gutters are manufactured from electrostatically baked-on power painted aluminum profiles. All other components are made of SS (stainless steel), aluminum or non-corrosive

materials. Hidden drive and automatic tensioning system built into the main mullions, provides protection from the environment and eliminates unsightly chains, cables, motor and similar drive components.

Thermoplastic polyester cogged belt with steel reinforced cords are resistant to moisture, oils, UV and extreme temperature changes. Guarantee maintenance free operation for many years.



Project Name : Thales Cafe
Project Code : 4647
Location : Istanbul / Turkey
Size : 15.5m x 8.5m (50' x 27')
Operation Mode : 75% opening up

Thales cafe patio enclosure is a perfect example off the flexibility of the design, allowing a perfect mesh of "indoor comfort, outdoor freedom". With SolaGlide system the area takes advantage of natural light usage in the patio in all seasons.



Project Name : Fox & Pheasant
Project Code : 5085
Location : Chelsea / UK
Size : 6.4m x 8m (20' x 26')
Operation Mode : 66% retracting down double pitch

With the installation of a SolaGlide glass roof, overhead cover with eaves-opening sliding glass that allows for adjustable ventilation and sunlight used to maximum advantage during the day, with insulated glass constraining noise levels to the surrounding residential properties.



Project Name : Grand Altuntas Hotel
Project Code : 4810
Location : Aksaray / Turkey
Size : 5.46m x 5.20m (8 pcs)
Operation Mode : 66% Opening up

The Hotel owners wanted to profit from the pool all year long. Libart designed the structure for the Hotel. The full glass structure looks very modern and when the Libart retractable skylight system Works there is a very nice air ventilation inside that do not disturb the customers who are having a nice time in the pool.



Project Name : Bristol Hotel
Project Code : 1477
Location : Amman / Jordan
Size : 23m x 11m (2 psc.)
Operation Mode : 75% retracting up

Bristol hotel in Amman had a wonderful pool side multi-functional area. The hotel was unable to use the area during winter time before they met with Libart. Libart designed and installed this unique roof between two hotel buildings, providing a multi-use area whatever the weather is!



Project Name : The Block
Project Code : 9001
Location : Melbourne / Australia
Size : 7.85m x 5.35m (25' x 17')
Operation Mode : 75% retracting up

The larger roof in the atrium area, in the foyer to the apartments, features a large sliding skylight with a span of 8 metres by 5 metres. In the open position light spills spectacularly into the atrium and garden area. The plants underneath the Libart roof thrive. The hit TV Show The Block featured a total of 5 Libart SolaGlide Retractable Roofs.

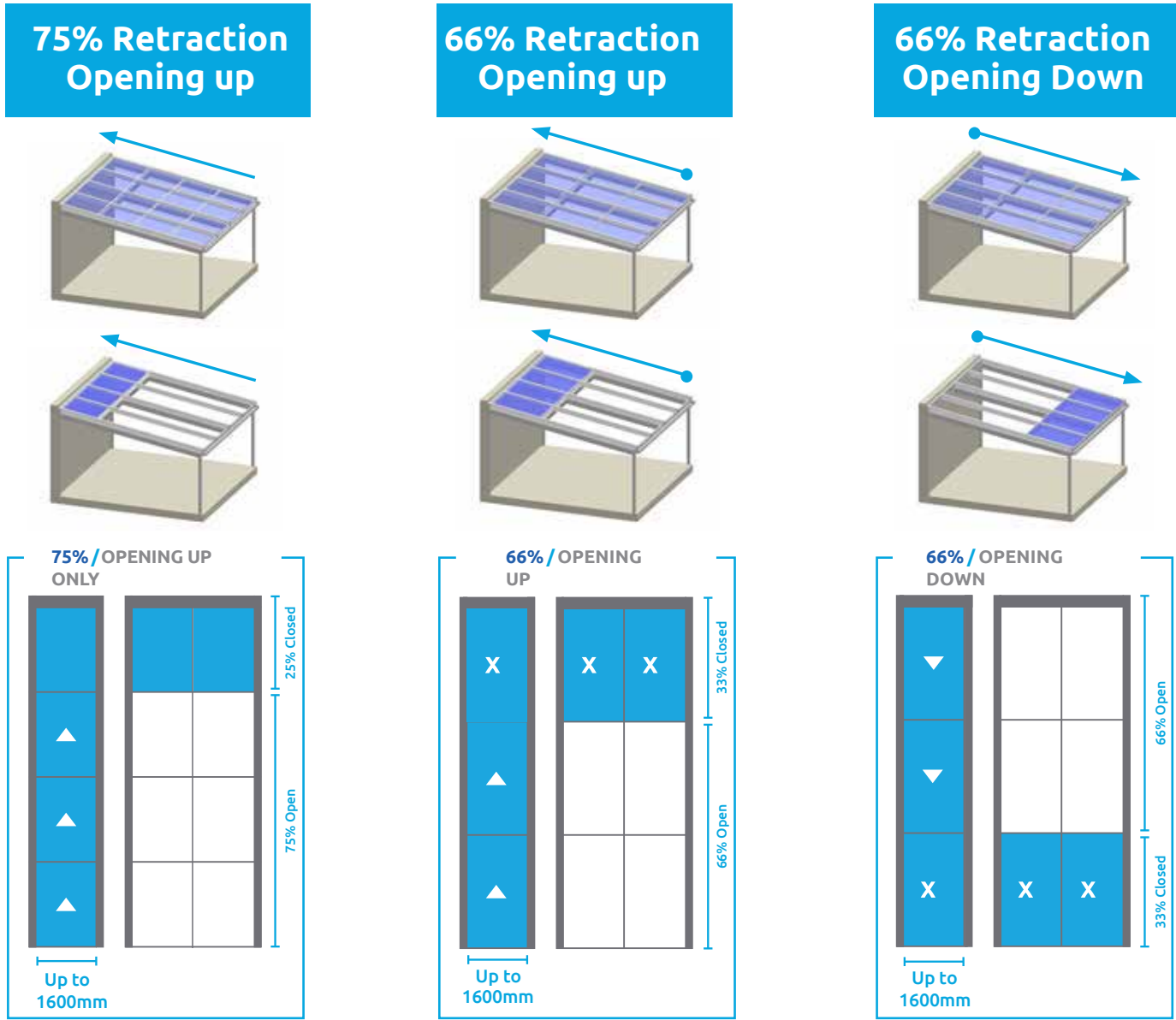


Project Name : Polenez Grill
Project Code : 4047
Location : Istanbul/Turkey
Size : 22.3m x 10.8m (2 psc.)
Operation Mode : 75% retracting up

A restaurant needs to use the benefits of natural light at its best. With Solaglide systems Polenez Grill created a outdoor area with a retractable skylight roof, enabling all the tables to become window seats. Till then they have created interest in their outdoor seats and huge impact on their investment.

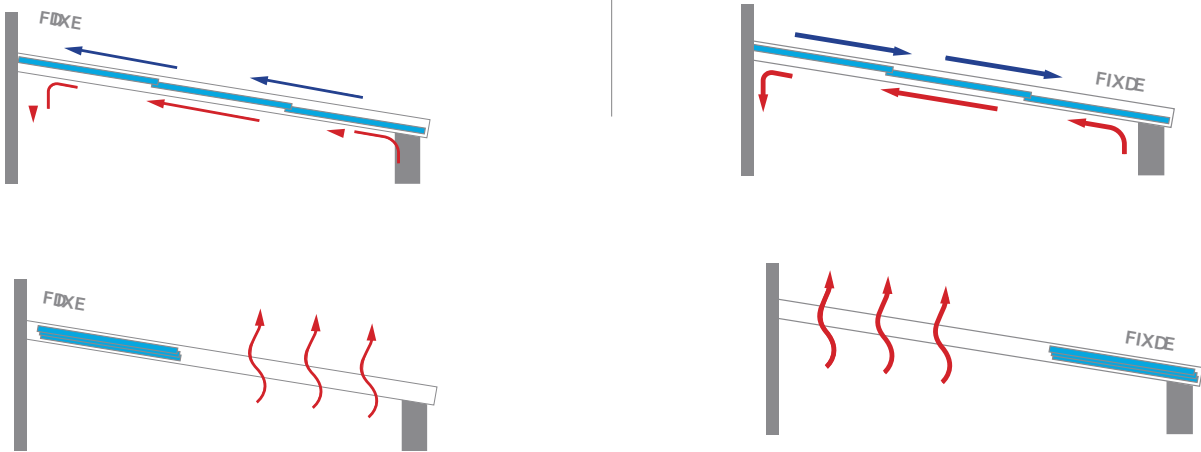
OPERATION MODES & OPTIONS

Standard variations are shown below. On request, SolaGlide systems can extend beyond these variations depending on the project-specific applications. Custom designs are available to suit the project requirements, building codes, and wind considerations limited to static calculations. SolaGlide systems require a supporting system underneath on spans extending 5m (16'), if needed the main mullion allows integrated steel support.



Retraction Up

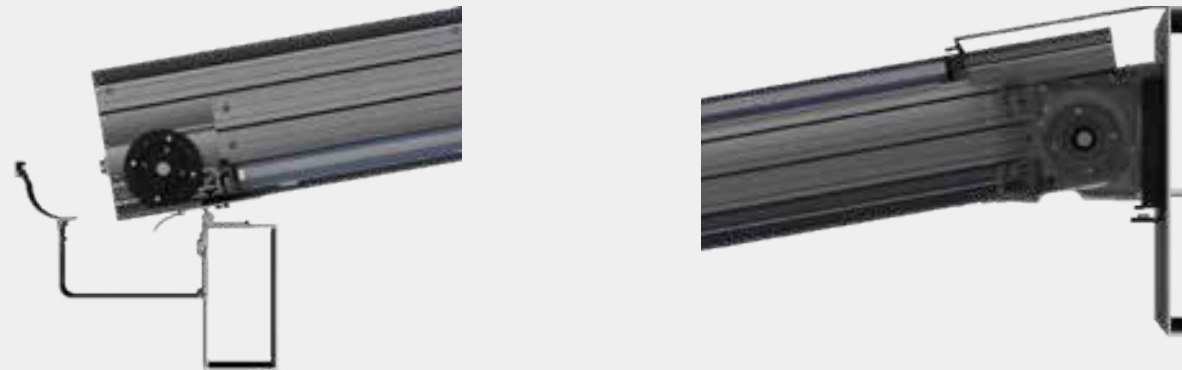
Retraction Down (available only in 66% opening)



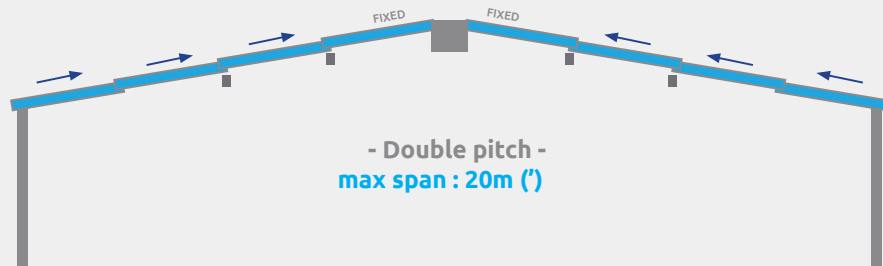
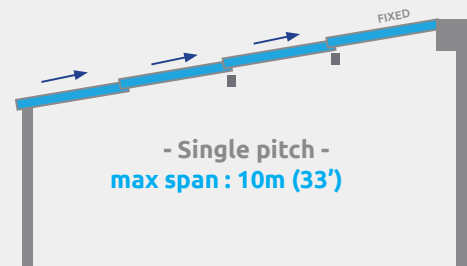
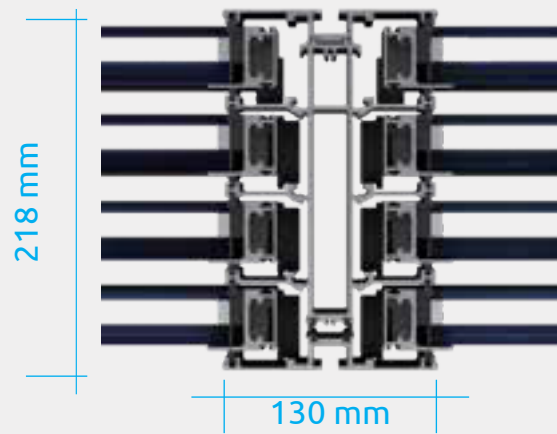
SolaGlide RRG / Insulated Glass Systems

- Hidden Drive System built into the main mullions, provides protection from the environment and eliminates unsightly chains, cables, motor and similar drive components
- Thermoplastic polyester cogged belt with steel reinforced cords are resistant to moisture, oils, UV and extreme temperature changes
- Automatic Expansion Compensation System adjusts the drive belt tension to allow for thermal expansion of main mullion and drive belt due to seasonal temperature changes.
- Panels are independently driven from both sides to guarantee problem free operations by providing balanced force on the glass frames.
- Tubular or industrial motor options
- Thermally broken mullions eliminate surface sweating and increase energy efficiency.
- 32mm frame thickness suitable for insulated glass, enabling 1.1 Ug and 2.1Uw insulating values.
- Wall control, remote control or connection to building automation system.
- Clip on rail profiles ease installation and provides easy on-site glass maintenance.

System Connections at the Eave & Top



System RProfile Section



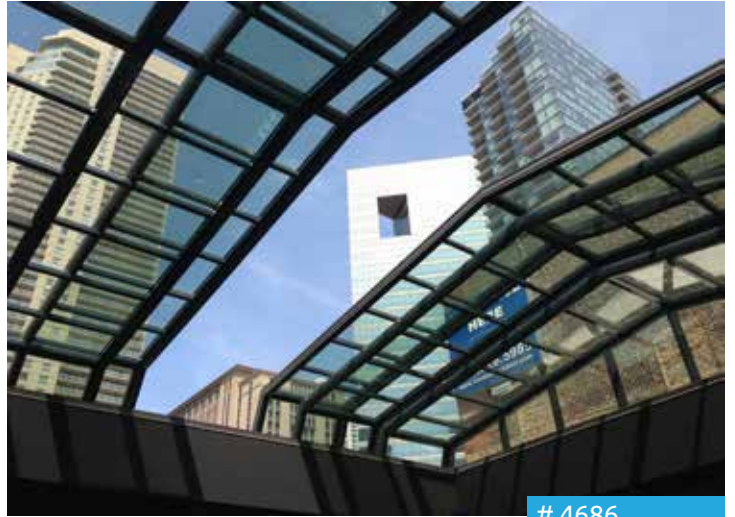


LIBART

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Libart designs and fabricates operable architectural systems for discerning architects and professional clients from around the world. Libart's aluminum and glass retractable structures are innovative, functional and aesthetically attractive. They are used in restaurants, cafes, hotels, commercial and residential and industrial facilities. Our commitment to research, design, engineering and manufacturing is based on providing our customers value added retractable structures that offer flexible living and working environments, for any type of weather.

Libart has been serving the architectural industry with operable solutions for over 25+ years, with manufacturing centers located in 3 continents and dealers in more than 40+ countries.

MOTION IN ARCHITECTURE

To learn more about our systems and projects from around the world please visit us at, www.libart.com

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