



# PROJECT BOOK

—POCKET EDITION—

MOTION IN ARCHITECTURE

**twinDOOR**

IN KOOPERATION MIT





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 pools, patios, and industrial facilities. Our commitment to research, design, engineering and manufacturing is based on providing our clients with value-added retractable structures that offer flexible living and working environments, whatever the weather.

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

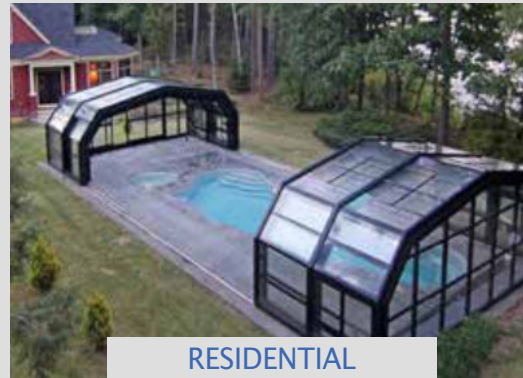
WE PROVIDE SOLUTIONS FOR



RESTAURANT & CAFE



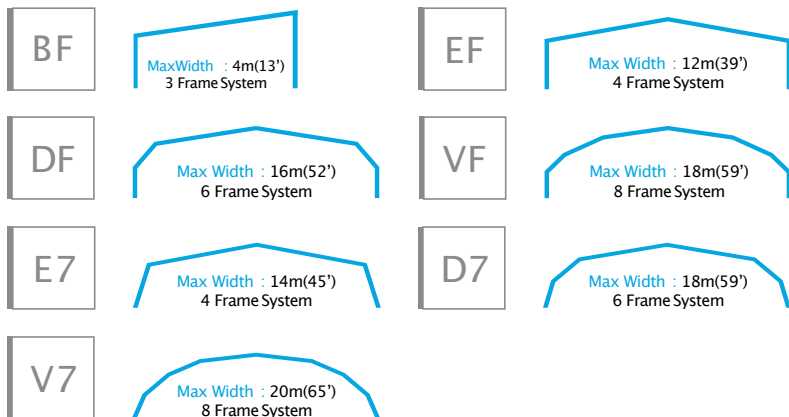
HOTEL & COMMERCIAL



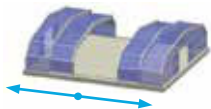
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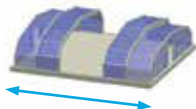
INDUSTRIAL



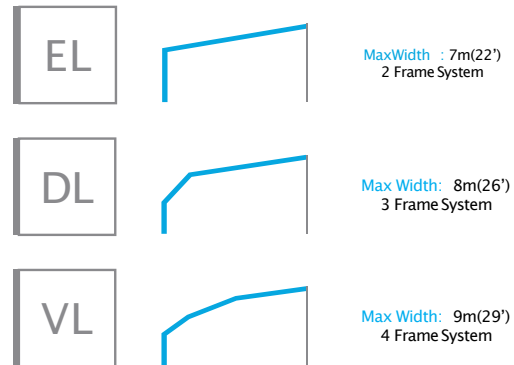
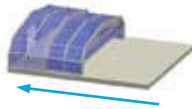
**R1 Retraction**  
Largest modules at the ends



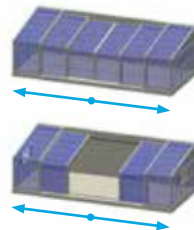
**R2 Retraction**  
Largest modules in the middle  
(recommended solution)



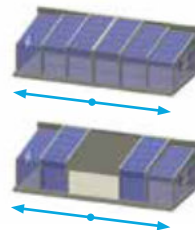
**R3 Retraction**  
Single side retraction  
end wall retracting up



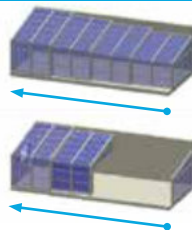
**R1 Retraction**  
Largest modules at the ends

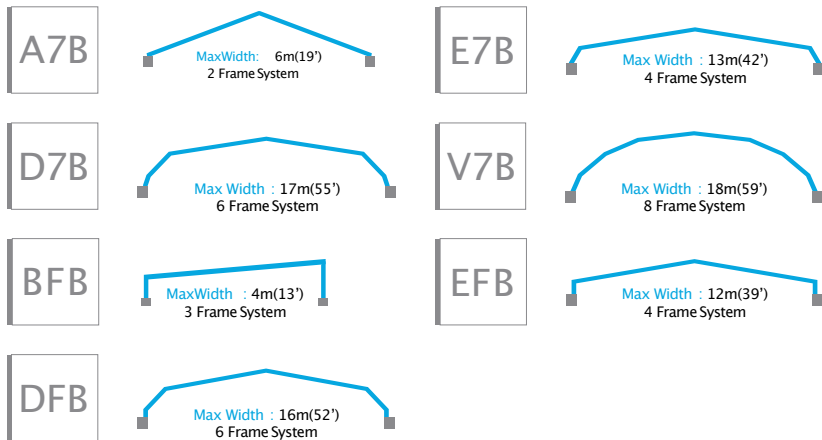


**R2 Retraction**  
Largest modules in the middle  
(recommended solution)

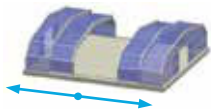


**R3 Retraction**  
Single side retraction  
end wall retracting up

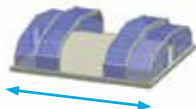




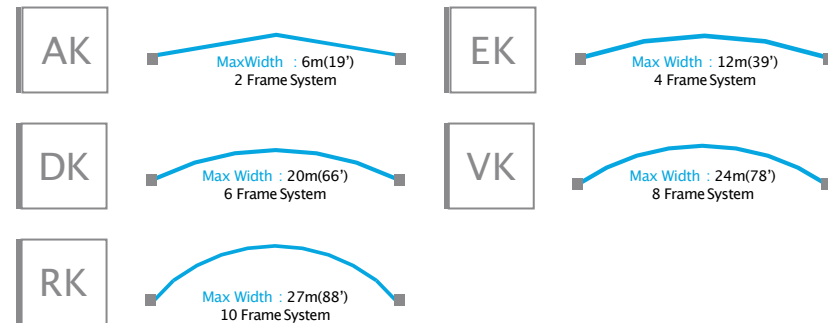
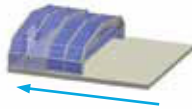
**R1 Retraction**  
Largest modules at the ends



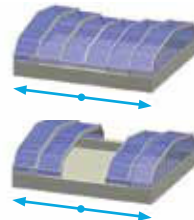
**R2 Retraction**  
Largest modules in the middle  
(recommended solution)



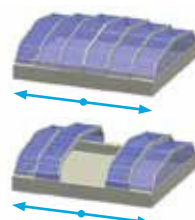
**R3 Retraction**  
Single side retraction  
end wall retracting up



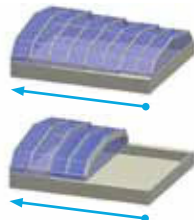
**R1 Retraction**  
Largest modules at the ends



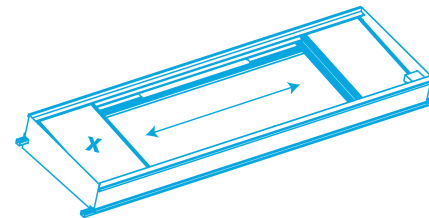
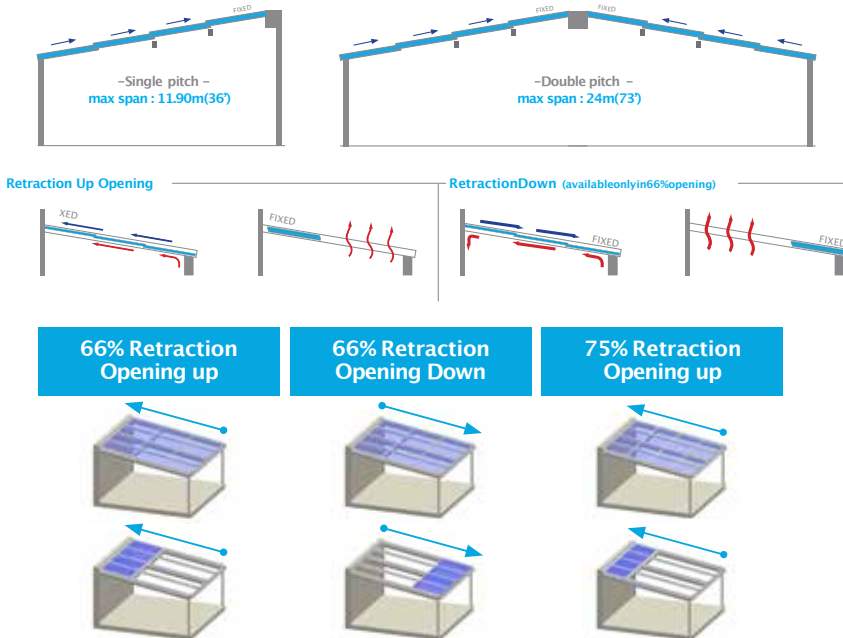
**R2 Retraction**  
Largest modules in the middle  
(recommended solution)



**R3 Retraction**  
Single side retraction  
end wall retracting up



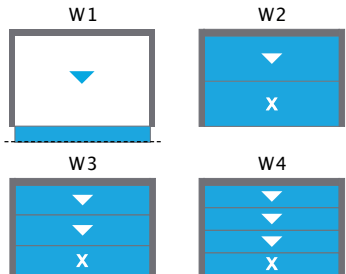




Max Width : 6m(19')  
Max Length : 28m(91')  
1 Frame System

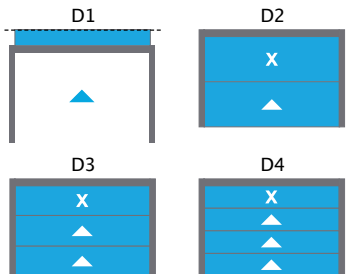


### Window Systems



Top to ground stacking  
Internal GlassBalustrade  
Max Width: 5,5m(18')  
Max Height: 5,5m(18')  
Automatic Retraction  
Insulated Glass (up to 32mm)

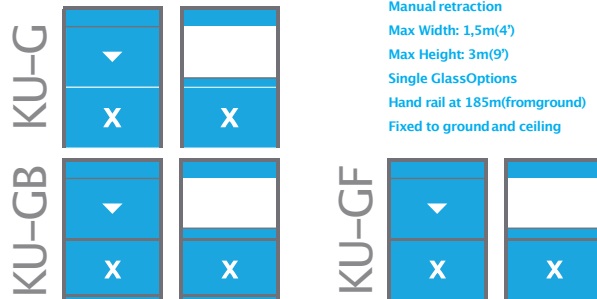
### Door Systems



Ground to top stacking  
Fotocell Security System  
Max Width: 5,5m(18')  
Max Height: 5,5m(18')  
Automatic Retraction  
Insulated Glass (up to 32mm)

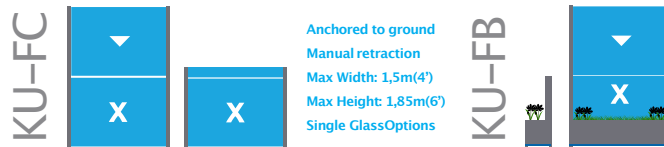
# WINDOWS & DOORS

### Balcony system



Manual retraction  
Max Width: 1,5m(4')  
Max Height: 3m(9')  
Single GlassOptions  
Hand rail at 185m(fromground)  
Fixed to ground and ceiling

### Windbreak System



Anchored to ground  
Manual retraction  
Max Width: 1,5m(4')  
Max Height: 1,85m(6')  
Single GlassOptions

Portable –no Anchoring  
Manual retraction  
Max Width: 1,5m(4')  
Max Height: 1,85m(6')  
Single GlassOptions

The Evolution FreeStanding systems are ideal for restaurants, cafés, smaller convention centres, function halls and swimming pools. The high vertical side walls and sectional modular transparent design, provide a feeling of spaciousness that can be easily integrated into architectural designs.

Evolution Freestanding retractable structures are designed to be easily opened and closed, giving you the flexibility of an indoor or outdoor living experience in the same area. Operation can be manual or motorized, utilizing SecurTrak™ system for structural safety and ease of use.

Evolution FreeStanding systems are environmentally friendly. Insulated glass glazing, and the ease of fully or partially opening, give you control of your own micro-climate, harnessing natural energy. Optional photovoltaic solar cells can supply power for motorization, ambient lighting needs and ventilation, removing the need for connection to main electrical supplies.

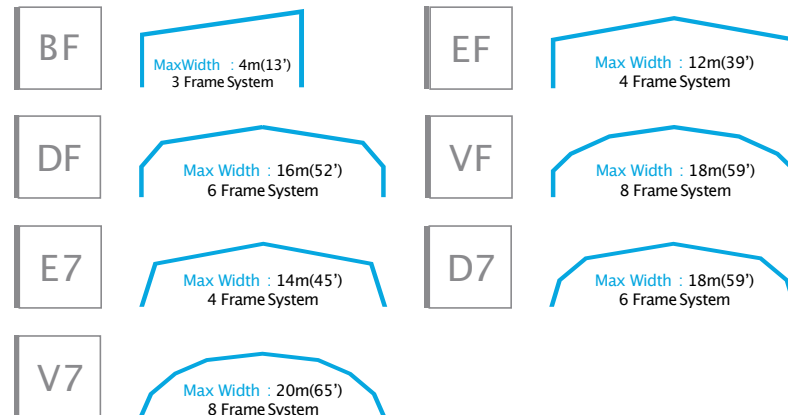
Evolution Freestanding structures can be customized according to site and user-needs based on 7 main models.



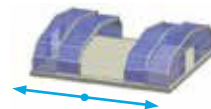
LIBART

MOTION IN ARCHITECTURE

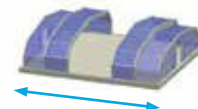
## FreeStanding



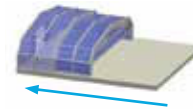
**R1 Retraction**  
Largest modules at the ends



**R2 Retraction**  
Largest modules in the middle  
(recommended solution)



**R3 Retraction**  
Single side retraction  
end wall retracting up





Project Number  
#4921



Project Name **Babylon Kilyos**

Location **Kilyos /Istanbul /Turkey**

Size(WxLxH) **7.2m x 8m x 3.4m ( 23' x 26' x 11')**

Glazing **6mm T.Tentesol Blue +14mm +(4 +4)mm IG**



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MOTION IN ARCHITECTURE

FreeStanding / EF

15





Project Number  
#4320



Project Name    Adı Bahçe Restaurant

Location        Sakarya /Turkey

Size(WxLxH)    9.1m x 17m (29' x 55')

Glazing          16mmSC PC & 5mm Tempered Glass



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MOTION IN ARCHITECTURE

FreeStanding / EF

17





Project Number  
#1285



Project Name **Ege Suits Apartments**

Location **Bornova /Izmir /Turkey**

Size(WxLxH) **15m x 40m (49' x 131')**

Glazing **16mmSC Grey PC & 4mmSC Clear PC (Translucent)**



**LIBART**

MOTION IN ARCHITECTURE

FreeStanding / E7

19



Project Number  
#3847



Project Name    Skins

Location        Havelock /New Zealand

Size(WxH)      7.1mm x 12.8m (23' x 41')

Glazing          4mm transparent pc glazing



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MOTION IN ARCHITECTURE

FreeStanding / DF

21





Project Number  
#4655



Project Name The J. Parker - Chicago Lincoln Hotel

Location Chicago / IL / USA

Size(WxLxH) 10.7m x 13.7m x 5.2m (35' x 44' x 17')

Glazing 16mm SC PC & 6mm +10mm +(4+4)mm IG



**LIBART**

MOTION IN ARCHITECTURE

FreeStanding / DF

23



Project Number  
#4618



Project Name Ooltewah SwimClub  
Location Chattanooga /TN /USA  
Size(WxLxH) 21.4m x 33.5m (70' x 110')  
Glazing 16mm Triple Wall SC PC



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MOTION IN ARCHITECTURE





Project Number  
#4601



Project Name    **Oncu Wedding Hall**  
 Location        **Konya /Turkey**  
 Size(WxLxH)    **20m x 43m (65' x 141')**  
 Glazing          **16mmSC PC & 5mmTempered Glass**



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MOTION IN ARCHITECTURE

FreeStanding / V7

27





Project Number  
#4612



Project Name     Union Restaurant

Location         Minneapolis /MN /USA

Size(WxLxH)     10m x 22m x 6.7m (30' x 70' x 22')

Glazing            6mm T.Reflective Glass +10mm +(4+4)mm IG



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MOTION IN ARCHITECTURE

FreeStanding / V7

29

Evolution LeanTo retractable structures are designed to provide an existing building or structure, providing the flexibility of areas for indoor and outdoor living, all in the same space. Adding the flexibility of an indoor or outdoor living experience in the same area. The operation can be manual or motorized, utilizing SecurTrak™ rail or TeleGlide™ rail free system for ease of use.

Evolution LeanTo systems are suitable for restaurants, cafés, smaller convention centers, function halls, residential patio and pools. The systems are manufactured site specifically and according to user needs from 3 base models. There are extensive door and window options to provide access and ventilation without opening the system. Evolution LeanTo systems are as environmentally friendly as Evolution FreeStanding structures with their high insulation and sustainability features.



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MOTION IN ARCHITECTURE

## LeanTo



MaxWidth : 7m(22')  
2 Frame System



Max Width: 8m(26')  
3 Frame System

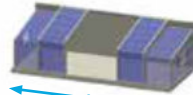
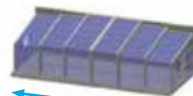


Max Width: 9m(29')  
4 Frame System

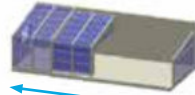
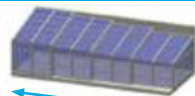
**R1 Retraction**  
Largest modules at the ends



**R2 Retraction**  
Largest modules in the middle (recommended solution)



**R3 Retraction**  
Single side retraction end wall retracting up





Project Number  
#3588



Project Name    **Dark Hill Hotel Restaurant**  
Location        **Laleli /Istanbul /Turkey**  
Size(WxLxH)    **6.2m x 22m(19' x 72') /2 Units**  
Glazing         **6mm T.Sunenergy +12mm +(4+4)mm IG**



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MOTION IN ARCHITECTURE

LeanTo / EL

33





Project Number  
#1420



Project Name California Pool  
Location Palo Alto /CA /USA  
Size(WxLxH) 7.7m x 17.0m (25' x 56')  
Glazing 16mmSC PC & 5mm Tempered Glass



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MOTION IN ARCHITECTURE

LeanTo / EL

35



Project Number  
#6006



Project Name    Godfrey Hotel  
Location        Chicago /IL /USA  
Size(WxLxH)    6m x 24m (19' x 78')  
Glazing          6mm+10mm +(4+4)mm IG



**LIBART**

MOTION IN ARCHITECTURE

LeanTo / EL

37





Project Number  
#2762



Project Name Sabanci University Hangar Cafe

Location Sariyer /Istanbul /Turkey

Size(WxLxH) 6.6m x 16.3m (21' x 53')

Glazing 16mm PC & 5mm +12mm +5mm IG



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MOTION IN ARCHITECTURE



Project Number  
#3166



Project Name **Mapel Beach Hotel**

Location **South Korea**

Size(WxLxH) **7m x 28m (22' x 91')**

Glazing **6mm T.Sunenergy +12mm +(4+4)mm IG**



**LIBART**

MOTION IN ARCHITECTURE





Project Number  
#4721



Project Name **Denver Pool**  
 Location **Denver /Colorado /USA**  
 Size(WxLxH) **7.6m x 30.6m (25' x100')**  
 Glazing **10mm Clear Twin Wall +4mm Compact PC**



**LIBART**

MOTION IN ARCHITECTURE

ClearSky, retractable skylights are designed for roof openings. Operation is usually motorised, however manual operation is also available. This model utilises the SecurTrak rail system for structural safety, and ease of operation. ClearSky retractable skylights mean that indoor spaces can now be opened up to the wide blue sky above.

ClearSky systems are ideal for commercial spaces that need a roof that can retract, creating a large opening. ClearSky systems are integrated into the existing fabric of the building. The rails are installed to the top of the roof area, and the system is designed to handle high snow loads.

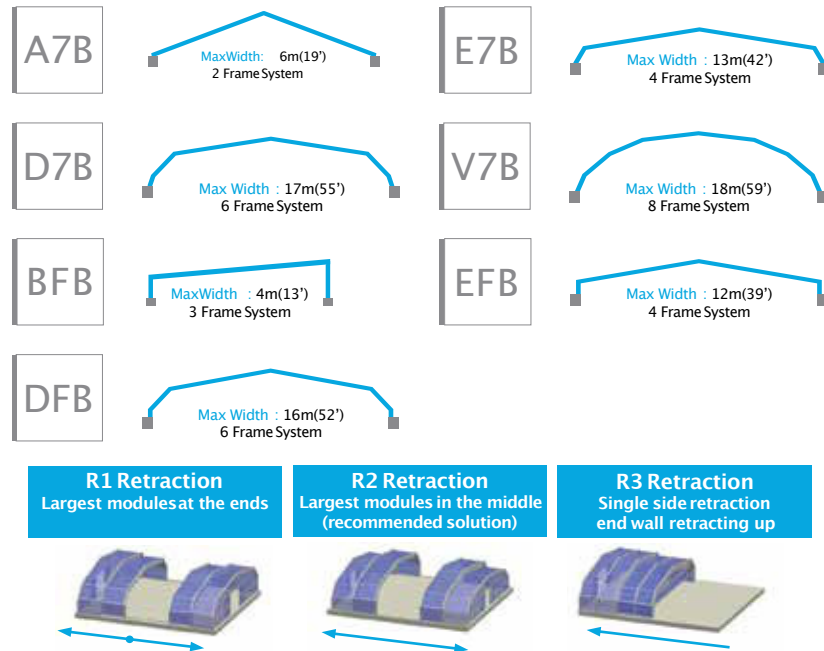
ClearSky retractable systems are environmentally friendly systems utilizing 24VDC to 380VAC motors and extensive operating options as required by client needs.



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MOTION IN ARCHITECTURE

## ClearSky





ClearSky Skylight



Project Number  
#4707



Project Name **Titanic Hotel**

Location **Antalya /Turkey**

Size(WxLxH) **6.4m x20.8m (21' x 66')/12 units**

Glazing **6mm T.Sunenergy +12mm +(5+5)mmClear IG**



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MOTION IN ARCHITECTURE

ClearSky / EFB

47





ClearSky Skylight



Project Number  
#4686



Project Name **Fremont**

Location **Chicago /IL /USA**

Size(WxLxH) **10.9m x 9.4m (36' x 31')**

Glazing **6mm T. +10mm +(4+4)mm IG**



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MOTION IN ARCHITECTURE

ClearSky / E7B

49



ClearSky Skylight



Project Number  
#5136



Project Name Mercedes Factory

Location Cekmekoy /Istanbul /Turkey

Size(WxLxH) 5.8m x 15m(19' x 49') /2 Units

Glazing 16mm Multi-Wall SC PC



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MOTION IN ARCHITECTURE

ClearSky / EFB

51





ClearSky Skylight



Project Number  
#2572



Project Name **The Smith**

Location **Victoria /Australia**

Size(WxLxH) **18m x 5,5m (59' x 18')**

Glazing **6mm T.Tentesol Grey +16 +(5+5)mm clear IG**



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MOTION IN ARCHITECTURE

ClearSky / EFB

53



ClearSky Skylight



Project Number  
#4481



Project Name M Gallery Accor Hotel

Location Istanbul / Turkey

Size(WxLxH) 19m x 5,5m (62' x 18')

Glazing 6mm T.Solar LowE +14 +(4+4)mm clear IG



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MOTION IN ARCHITECTURE

ClearSky / EFB

55





ClearSky Skylight



Project Number  
#5647



Project Name Yenitepe

Location Istanbul /Turkey

Size(WxH) 27 m x7,5 m (88' x 24')

Glazing 6mm Solar Low-e T. +14 +44.2



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MOTION IN ARCHITECTURE

ClearSky / E7B

57





Project Number  
#4417



Project Name **Mugam Hotel**

Location **Baku / Azerbaijan**

Size(WxLxH) **13.4m x 16.3m (43' x 53')**

Glazing **6mm +12mm +(4+4)mm IG**



**LIBART**

MOTION IN ARCHITECTURE



ClearSky Skylight



Project Number  
#6107



Project Name CVK Hotel Park Bosphorus  
Location Beyoglu /Istanbul /Turkey  
Size(WxLxH) 10m x 22m (32' x 72')  
Glazing 6mm T. +12mm +(4+4)mm SC Reflective Glass



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MOTION IN ARCHITECTURE

ClearSky / D7B

61





ClearSky Skylight



Project Number  
#1184



Project Name **Sienna Mercato**  
Location **Pittsburgh / PA / USA**  
Size(WxLxH) **12m x 21m (40' x 70')**  
Glazing **6mm +10 +(4+4) IG**



**LIBART**

MOTION IN ARCHITECTURE

ClearSky / V7B

63





ClearSky Skylight

Project Number  
#1827



Project Name MetroMall Shopping Center  
Location Ankara /Turkey  
Size(WxLxH) 9m x92m (29'x 301') /2 units  
Glazing 6mm T.+12mm +(4+4)mm IG



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MOTION IN ARCHITECTURE

ClearSky / D7B

65



ClearSky Dome retractable systems are designed for large-span opening skylights. Operation is motorised, using a K-Trakrail system for structural safety.

The core design of the ClearSky Dome system is similar to the ClearSky system, with the difference being the location of the rail system which is installed vertically to the sides of the opening rather than on the roof or a horizontal surface. The ClearSky – Dome system increases the net opening by reducing the horizontal surface area on the structural members that is required for the operational rails.

The ClearSky – Dome system also provides a lower total height when compared to classic ClearSky systems and are better suited for climates with low to no snow accumulation.

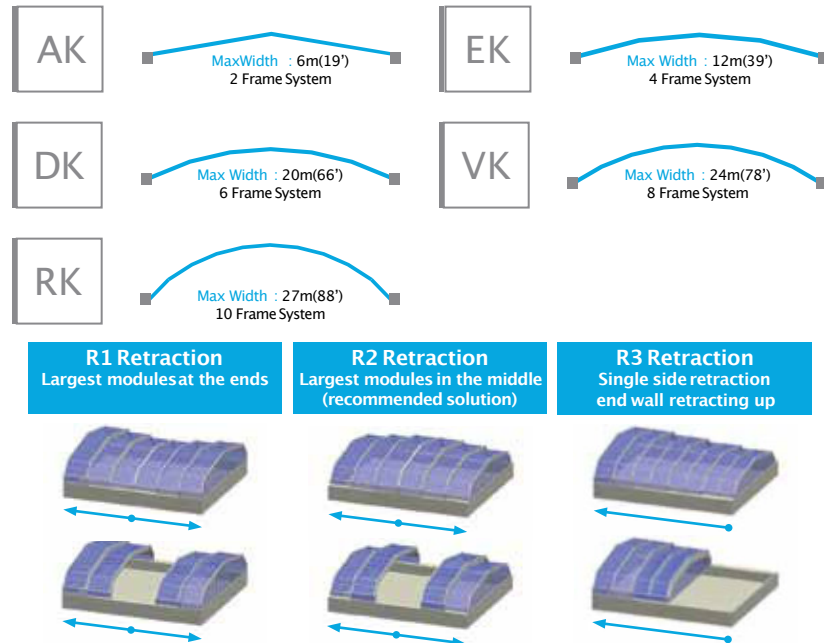
With ClearSky –Dome retractable skylights, your enclosed spaces are no longer limited to being indoor spaces only. The system provides high natural light, making them particularly suitable for shopping malls. There are 5 different configurations depending on the size of the span and local loads.



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## ClearSky Segmented Dome





Project Number  
#6686



Project Name Point Bornova ShoppingMall  
Location Bornova /Izmir /Turkey  
Size(WxLxH) 10m x21m (32' x 68')/22 Units (5500 m<sup>2</sup>)  
Glazing 8mm T+16 +(4+4) Laminated IG



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MOTION IN ARCHITECTURE

ClearSky / DK

69







ClearSky Skylight



Project Number  
#5052



CLEARSKY / DK

Project Name Endulus Park Shopping Center  
Location Bursa /Turkey  
Size(WxLxH) 10m x9m (32'x 29') /10 systems  
Glazing 6mm T+12 +(4+4) Laminated IG



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MOTION IN ARCHITECTURE

ClearSky / DK

71



Project Number  
#1284



Project Name **Water Garden ShoppingMall**  
Location **Istanbul /Turkey**  
Size(WxLxH) **8m x 65m (26' x 213')**  
Glazing **12mmTPrinted Laminated Glass**



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MOTION IN ARCHITECTURE





ClearSky Skylight



Project Number  
#3941



Project Name Masjid AshShaliheen Mosque

Location Brunei

Size(WxLxH) 15m X 10m (49' x 32')

Glazing (6+6)mm Tempered & Laminated Reflective Glass



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MOTION IN ARCHITECTURE

ClearSky / VK

75





Project Number  
#4699



Project Name **Antorman Apartments**  
Location **Cekmekoy /Istanbul /Turkey**  
Size(WxLxH) **20m x 38m (65' x 124')**  
Glazing **16m Multi-Wall SC PC**



ClearSky Skylight



Project Number  
#5042



Project Name Tarek Ibn Ziad School

Location Doha /Qatar

Size(WxLxH) 27m X 36m ( 88' x 118' )

Glazing 8 mmR Tempered +16+(4+4)laminated IG



**LIBART**

MOTION IN ARCHITECTURE

ClearSky / RK

79

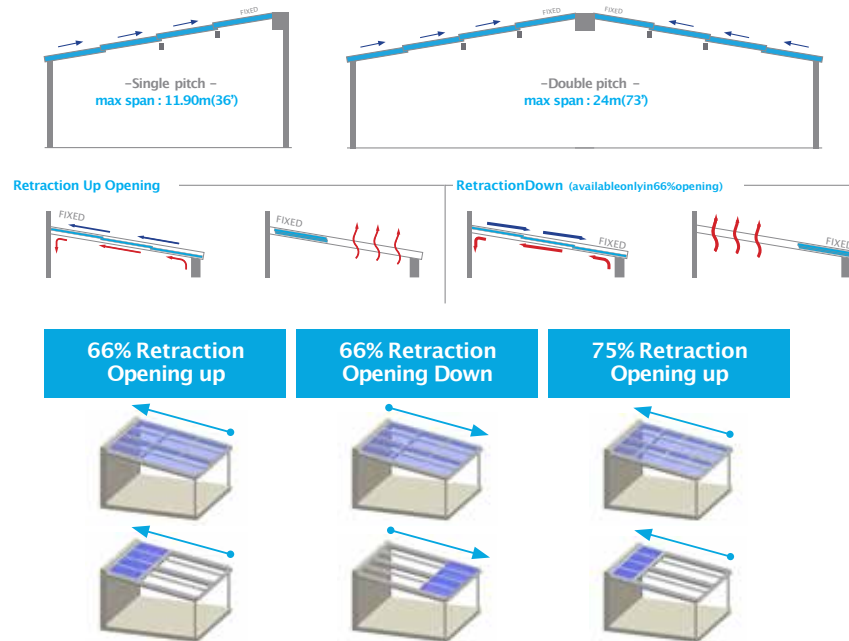
Libart's SolaGlide systems provide profitable outdoor spaces that can be used all year round, whatever the weather. Thermally-broken mullions, insulated glass panels, and structurally bonded frames with extensive weather sealant components assure you safety and comfort.

The hidden drive and automatic tensioning systems built into the main mullions provide protection from the environment and conceal 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, guarantees maintenance-free operation.

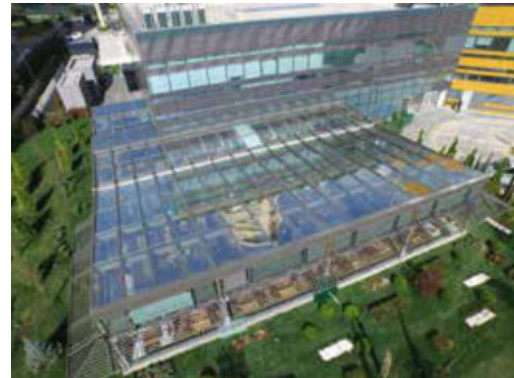

**LIBART**

MOTION IN ARCHITECTURE

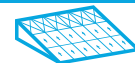
## SolaGlide







Project Number  
#4047



SOLAGLIDE /RRG

Project Name PalladiumPolenezGrill

Location Atasehir /Istanbul /Turkey

Size(WxLxH) 27m x 22m (88' x 72')

Glazing 6mm Coolplus Tempered +14mm +(4+4)mm IG



LIBART

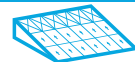
MOTION IN ARCHITECTURE

SolaGlide / RRG

83



Project Number  
#4647



SOLAGLIDE /RRG

Project Name **Thales Bar Kadikoy**  
Location **Kadikoy /Istanbul /Turkey**

Size(WxLxH) **15.5m x 8.5m (50' x 27')**

Glazing **6mm T. Glass + 10mm +(4+4)mm IG**



**LIBART**

MOTION IN ARCHITECTURE

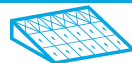
SolaGlide / RRG

85





Project Number  
#4528



SOLAGLIDE / RRG

Project Name Chilai Restaurant

Location Bebek /Istanbul /Turkey

Size(WxLxH) 10.4m x 6.6m (34' x 21')

Glazing 6mm T. Glass+10mm +(4+4)mmIG



LIBART

MOTION IN ARCHITECTURE

SolaGlide / RRG

87





Project Number  
#4810



SOLA GLIDE / RRG

Project Name Grand Altuntas Hotel

Location Aksaray /Turkey

Size(WxLxH) 20m x 29.6m (65'x97')

Glazing 6mm +12mm +(4+4)mm IG



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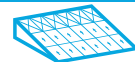
MOTION IN ARCHITECTURE

SolaGlide / RRG

89



Project Number  
#5934



SOLA GLIDE / RRG

Project Name **VIP Room**

Location **Istanbul /Turkey**

Size(WxLxH) **7m x 3m (22' x 9')**

Glazing **6mm +14mm +(4+4)mm IG**



**LIBART**

MOTION IN ARCHITECTURE

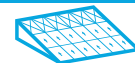
SolaGlide / RRG

91





Project Number  
#1477



SOLA GLIDE / RRG

Project Name Bristol Hotel

Location Amman / Jordan

Size (WxLxH) 23m x 11m / 25m x 11m / 3m x 10m

Glazing 6mm + 12mm + (4+4)mm IG



LIBART

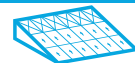
MOTION IN ARCHITECTURE

SolaGlide / RRG

93



Project Number  
#4587



SOLAGLIDE /RRP

Project Name Legal Sea Food

Location Boston /MA /USA

Size(WxLxH) 18m x9.4m (59' x 31')

Glazing 16mmSolar Control PC Glazing



LIBART

MOTION IN ARCHITECTURE

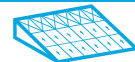
SolaGlide / RRG

95





Project Number  
#1235



SOLAGLIDE /RRG

Project Name Foxand Pheasant

Location London /United Kingdom

Size(WxH) 8 m x 7.4 m (26' x 24')

Glazing 6mm Solar Low-E +16 +55.2 (acoustic pvb)



LIBART

MOTION IN ARCHITECTURE

SolaGlide / RRG

97

Libart's SunRoof Systems are a unique outdoor roofing solution. SunRoof retracts between two walls or structures. It is a parallel system with internal pitch directing rainwater to the concealed gutter. SunRoof can incorporate insulated glass to provide thermal insulation, with retraction to the sides providing up to 75% opening. SunRoof systems retract the complete profiles and glazing, to provide an open space with no roofing elements: No profiles, no glazing, just the wide, open sky!

The sky's the limit with SunRoof systems! Make your outdoor area the space of choice, even when the weather turns rainy: With the touch of a button the roof can be closed and protected from the elements.

The concealed motor and gutter systems provide aesthetic integrity, meaning that design considerations of the internal space need not be compromised.

\*The SunRoof system is recommended in light snow areas.



**LIBART**

MOTION IN ARCHITECTURE

## SunRoof





For centuries technological advances have improved the function, flexibility and variety of doors and windows. Despite this continual evolution, they have always been limited to their primary function of providing unhindered views, and allowing use of the available openings in buildings.

Libart's Panora-View represents a new paradigm in the world of architectural doors and windows: Panora-View's large spans and vertically retracting frames (up to 5,5m) provide unobstructed views and optimise the versatility of every opening in your buildings.

Put simply, they "broaden your horizons!" Imagine a wall of glass that practically disappears, providing the functionality of a door or window by sliding upwards or downwards, and taking up no space in its operation.

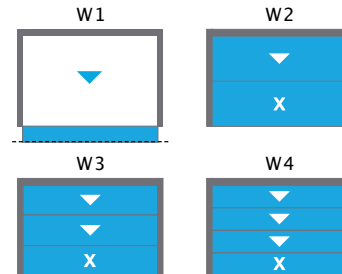


**LIBART**

MOTION IN ARCHITECTURE

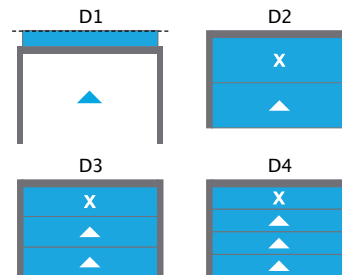
## Panora - View

### Window Systems



Top to ground stacking  
Internal Glass Balustrade  
Max Width: 5,5m(18')  
Max Height: 5,5m(18')  
Automatic Retraction  
Insulated Glass (up to 32mm)

### Door Systems



Ground to top stacking  
Fotocell Security System  
Max Width: 5,5m(18')  
Max Height: 5,5m(18')  
Automatic Retraction  
Insulated Glass (up to 32mm)



Project Number  
#3589



PANORA -VIEW /GU-W3

Project Name Dark Hill Hotel

Location Laleli /Istanbul /Turkey

Size(WxH) 4.5m x 3.1m(14' x 10' ) /10 Units

Glazing 6mm T.Sunenergy +6mm T.Clear Laminated Glass



**LIBART**

MOTION IN ARCHITECTURE

Panora -View / GU-W3

103





Project Number  
#4833



PANORA -VIEW /GU-W3

Project Name Carolina Ale House Restaurant

Location Raleigh /NC /USA

Size(WxH) 3.8m x 2.7m(12' x 8') /14 Units

Glazing 6mm T.Sunenergy +6mm T.Clear Laminated Glass



**LIBART**

MOTION IN ARCHITECTURE

Panora -View / GU-W3

105



Project Number  
#4126

▼  
x  
PANORA -VIEW /GU-W2

Project Name Vallgatan Coffee Shop

Location Sweden

Size(WxH) 4,3 x 2,8m (14' x 9')

Glazing 8mm Tempered +16 +8mm Tempered



**LIBART**

MOTION IN ARCHITECTURE

Panora -View / GU-W2

107





Project Number  
#2101



PANORA -VIEW /GU-D4

Project Name [Cooper's Hawk Winery](#)  
Location [Liberty Twp. /OH /USA](#)  
Size(WxH) [4,2 x3,6 m \(13' x 11'\) /2 Units](#)  
Glazing [8mm Tempered +16 +8mm Tempered](#)



**LIBART**

MOTION IN ARCHITECTURE

Panora -View / GU-D4

109



Project Number  
#3487



PANORA -VIEW /GU-D4

Project Name Brasserie Lipp

Location Sweden

Size(WxH) 3 x 2,9 m( 9' x 9' ) /2 Units

Glazing 8mm Tempered +16 +8mm Tempered



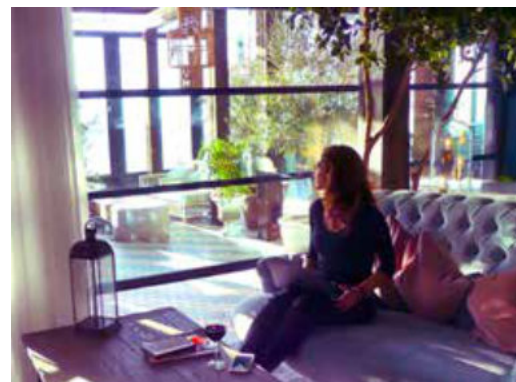
**LIBART**

MOTION IN ARCHITECTURE

Panora -View / GU-D4

111





Project Number  
#6623



Project Name **SteamHotel**

Location **Sweden**

Size(WxH) **3 x 2,9 m( 9' x 9' ) / 2 Units**

Glazing **8mm Tempered +16 +8mm Tempered**



**LIBART**

MOTION IN ARCHITECTURE

Panora -View / GU-D4

113

The Kinetic windbreak system is a vertically retracting balustrade that is suitable for outdoor applications. The single-glazed tempered glass panes function as both balcony balustrade and windbreak system without any profile sections in the middle. Kinetic systems provide all the benefits of a glass railing, with the convenience of an additional wind and rain shield when required. Kinetic systems utilise a concealed self-charging piston system that eliminates the unsightly counterweights, thick profiles, cables, and pulleys that are used by other inferior systems. Kinetic opens manually and closes automatically with a simple touch.

Versatility and design come together with Panora-Kinetic Systems. Uninterrupted panoramic views are guaranteed, with no compromise necessary! Portable (KU-FB) or ground-fixed (KU-FC) glass windbreak can complement architectural features, with adjustable height and a sense of distinction. Kinetic Systems (FC and FB) are manufactured from structural glass for reliable durability. One of the major benefits of the Kinetic system is the lack of horizontal profiles. This removes unsightly visual clutter, creating an unobstructed view that benefits business owners and patrons alike.

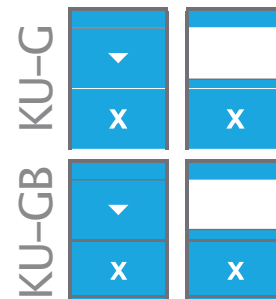


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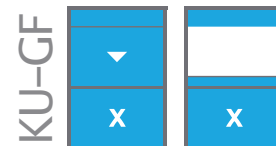
MOTION IN ARCHITECTURE

## Panora – Kinetic

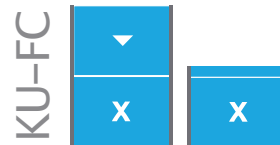
### Balcony system



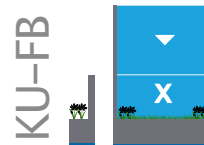
Manual retraction  
Max Width: 1,6m(5')  
Max Height: 3m(9')  
Single Glass Options  
Handle at 185m(from ground)  
Fixed to ground and ceiling



### Windbreak System



Anchored to ground  
Manual retraction  
Max Width: 1,6m(5')  
Max Height: 1,85m(6')  
Single Glass Options



Portable –no Anchoring required  
Manual retraction  
Max Width: 1,6m(5')  
Max Height: 1,85m(6')  
Single Glass Options





Project Number  
#2196



PANORA -KINETIC /KU-GB

Project Name **Iron Shore**

Location **Cayman Islands**

Size (WxH) **1.5m x 2.10m ( 4' x 6' ) /6 Units**

Glazing **6mm Tempered Glass**



**LIBART**

MOTION IN ARCHITECTURE

Panora -Kinetic / KU-G/GB/GF

117



Project Number  
#3869

  
 PANORA -KINETIC /KU-FC

Project Name **Mono Cafe**

Location **Istanbul /Turkey**

Size(WxH) **1.5m x 1.85m (4' x 6') /12 Units**

Glazing **6mm Tempered Glass**



**LIBART**

MOTION IN ARCHITECTURE

Panora -Kinetic / KU-FC

119





Project Number  
#3564



Project Name M Gallery AccorHotel  
Location Istanbul /Turkey  
Size(WxH) 1.5m x 1.85m ( 4' x 6' ) /47 Units  
Glazing 6mm Tempered Glass

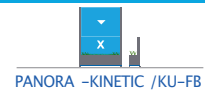
 **LIBART** MOTION IN ARCHITECTURE

Panora -Kinetic / KU-FC

121



Project Number  
#1347



Project Name Rönensans Shopping Mall

Location Istanbul /Turkey

Size(WxH) 1.5m x 1.85m /200 Units

Glazing 6mm Tempered Glass



**LIBART**

MOTION IN ARCHITECTURE

Panora –Kinetic / KU-FB

123



# twindoor

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