



PROJECT BOOK

-POCKET EDITION-

MOTION IN ARCHITECTURE



LIBART



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.

www.libart.com



RESTAURANT & CAFE



HOTEL & COMMERCIAL



RESIDENTIAL



INDUSTRIAL



BF

Max Width : 4m (13')
3 Frame System



EF

Max Width : 12m (39')
4 Frame System



DF

Max Width : 16m (52')
6 Frame System



VF

Max Width : 18m (59')
8 Frame System



E7

Max Width : 14m (45')
4 Frame System



D7

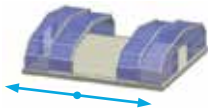
Max Width : 18m (59')
6 Frame System



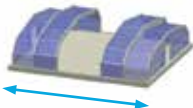
V7

Max Width : 20m (65')
8 Frame System

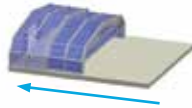
R1 Retraction
Largest modules at the ends



R2 Retraction
Largest modules in the middle (recommended solution)



R3 Retraction
Single side retraction end wall retracting up





Max Width : 7m (22')
2 Frame System

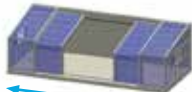


Max Width: 8m (26')
3 Frame System

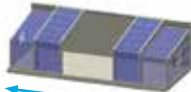
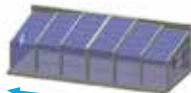


Max Width: 9m (29')
4 Frame System

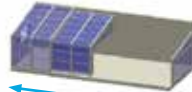
R1 Retraction
Largest modules at the ends



R2 Retraction
Largest modules in the middle
(recommended solution)



R3 Retraction
Single side retraction
end wall retracting up



A7B



E7B



D7B



V7B



BFB



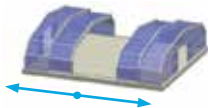
EFB



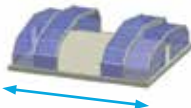
DFB



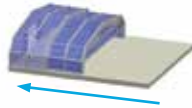
R1 Retraction
Largest modules at the ends



R2 Retraction
Largest modules in the middle (recommended solution)

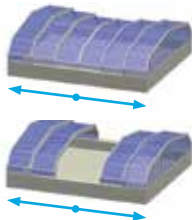


R3 Retraction
Single side retraction end wall retracting up

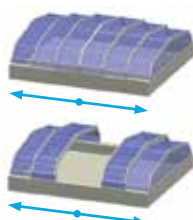




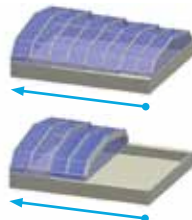
R1 Retraction
Largest modules at the ends

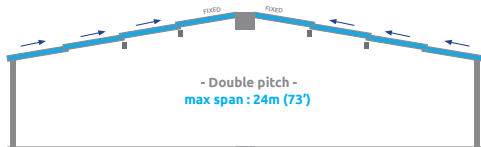
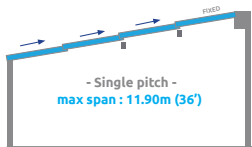


R2 Retraction
Largest modules in the middle (recommended solution)

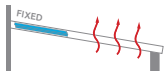
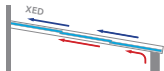


R3 Retraction
Single side retraction
end wall retracting up

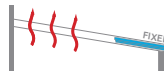
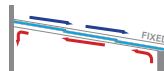




Retraction Up Opening



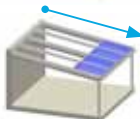
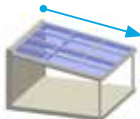
Retraction Down (available only in 66% opening)



66% Retraction
Opening up

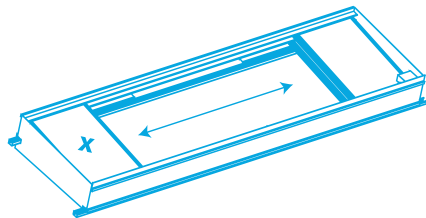


66% Retraction
Opening Down



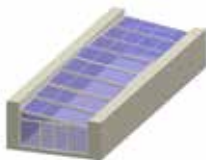
75% Retraction
Opening up



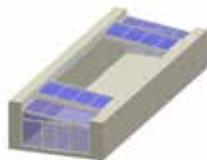


Max Width : 6m (19')
Max Length : 28m (91')
1 Frame System

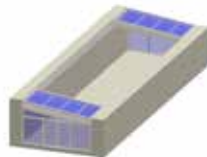
Closed Position



50 % Opening
Option



80 % Opening
Option



Retraction Stacking Down

GUL Systems

Windows

W 2



W 3



Countertop



Doors

D 2



D 3



GUF & GUF+ Systems

W 2



D 2



Retraction Stacking Up

GUM & GUM+ Systems

Windows

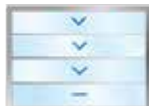
W 2



W 3



W 4



Doors

D 2



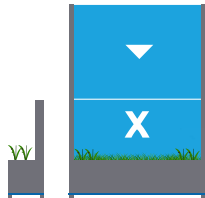
D 3



D 4



KU-FB



Windbreak System

Portable - no Anchoring

Manual retraction

Max Width: 1,5m (4')

Max Height: 1,85m (6')

Single Glass Options

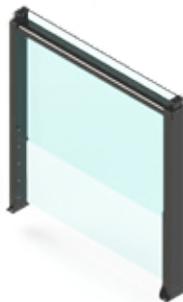


KU-FC



Windbreak System

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



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 mains electrical supplies.

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





BF

Max Width : 4m (13')
3 Frame System



EF

Max Width : 12m (39')
4 Frame System



DF

Max Width : 16m (52')
6 Frame System



VF

Max Width : 18m (59')
8 Frame System



E7

Max Width : 14m (45')
4 Frame System



D7

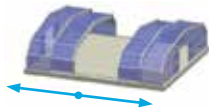
Max Width : 18m (59')
6 Frame System



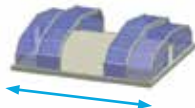
V7

Max Width : 20m (65')
8 Frame System

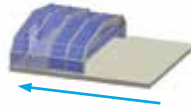
R1 Retraction
Largest modules at the ends



R2 Retraction
Largest modules in the middle
(recommended solution)



R3 Retraction
Single side retraction
end wall retracting up







Project Number
#4921



Project Name **Babylon Kilyos**

Location **Kilyos / Istanbul / Turkey**

Size (W x L x H) **7.2m x 8m x 3.4m (23' x 26' x 11')**

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



LIBART

MOTION IN ARCHITECTURE

FreeStanding / EF

17





Project Number
#4320



Project Name **Adı Bahçe Restaurant**

Location **Sakarya / Turkey**

Size (W x L x H) **9.1m x 17m (29' x 55')**

Glazing **16mm SC PC & 5mm Tempered Glass**



LIBART

MOTION IN ARCHITECTURE

FreeStanding / EF

19





Project Number
#1285



Project Name **Ege Suits Apartments**

Location **Bornova / Izmir / Turkey**

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

Glazing **16mm SC Grey PC & 4mm SC Clear PC (Translucent)**



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MOTION IN ARCHITECTURE

FreeStanding / E7

21





Project Number
#3847



Project Name **Skins**

Location **Havelock / New Zealand**

Size (W x H) **7.1mm x 12.8m (23' x 41')**

Glazing **4mm transparent pc glazing**



LIBART

MOTION IN ARCHITECTURE

FreeStanding / DF

23





Project Number
#4655



Project Name **The J. Parker - Chicago Lincoln Hotel**

Location **Chicago / IL / USA**

Size (W x L x H) **10.7m x 13.7m x 5.2m (35' x 44' x 17')**

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



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MOTION IN ARCHITECTURE

FreeStanding / DF

25





Project Number
#4618



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



LIBART

MOTION IN ARCHITECTURE

FreeStanding / V7

27





Project Number
#4601



Project Name **Oncu Wedding Hall**

Location **Konya / Turkey**

Size (WxLxH) **20m x 43m (65' x 141')**

Glazing **16mm SC PC & 5mm Tempered Glass**



LIBART

MOTION IN ARCHITECTURE

FreeStanding / V7

29





Project Number
#4612



Project Name **Union Restaurant**

Location **Minneapolis / MN / USA**

Size (W x L x H) **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

31

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.





Max Width : 7m (22')
2 Frame System

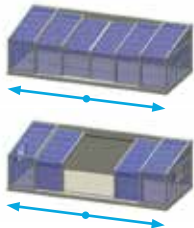


Max Width: 8m (26')
3 Frame System

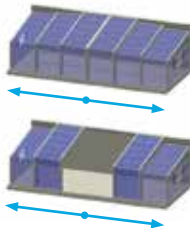


Max Width: 9m (29')
4 Frame System

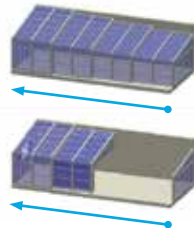
R1 Retraction
Largest modules at the ends



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 (W x L x H) **6.2m x 22m (19' x 72') / 2 Units**
 Glazing **6mm T. Sunenergy + 12mm + (4+4)mm IG**



LIBART

MOTION IN ARCHITECTURE

LeanTo / EL

35





Project Number
#1420



Project Name **California Pool**

Location **Palo Alto / CA / USA**

Size (WxLxH) **7.7m x 17.0m (25' x 56')**

Glazing **16mm SC PC & 5mm Tempered Glass**



LIBART

MOTION IN ARCHITECTURE

LeanTo / EL

37





Project Number
#6006



LEAN-TO / EL

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

39





Project Number
#3166



LEAN-TO / DL

Project Name **Mapel Beach Hotel**

Location **South Korea**

Size (W x L x H) **7m x 28m (22' x 91')**

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



LIBART

MOTION IN ARCHITECTURE

LeanTo / DL

41





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

LeanTo / DL

43

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 380 VAC motors and extensive operating options as required by client needs.



A7B



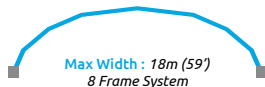
E7B



D7B



V7B



BFB



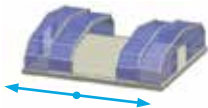
EFB



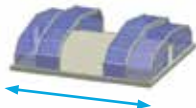
DFB



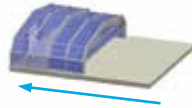
R1 Retraction
Largest modules at the ends



R2 Retraction
Largest modules in the middle (recommended solution)



R3 Retraction
Single side retraction end wall retracting up







Project Number
#4707



Project Name **Titanic Hotel**

Location **Antalya / Turkey**

Size (WxLxH) **6.4m x 20.8m (21' x 66') / 12 units**

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



LIBART

MOTION IN ARCHITECTURE

ClearSky / EFB

47





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**



LIBART

MOTION IN ARCHITECTURE

ClearSky / E7B

49





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**



LIBART

MOTION IN ARCHITECTURE





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**



LIBART

MOTION IN ARCHITECTURE

ClearSky / EFB

53





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





Project Number
#5647



Project Name **Yenitepe**

Location **Istanbul / Turkey**

Size (W x H) **27 m x 7,5 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 / DFB

59





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**



LIBART

MOTION IN ARCHITECTURE

ClearSky / D7B

61





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





Project Number
#1827



Project Name **MetroMall Shopping Center**
Location **Ankara / Turkey**
Size (WxLxH) **9m x 92m (29' x 301') / 2 units**
Glazing **6mm T. + 12mm + (4+4)mm IG**



LIBART

MOTION IN ARCHITECTURE

ClearSky / D7B

65

ClearSky Dome retractable systems are designed for large-span opening skylights. Operation is motorised, using a K-Trak rail 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.



AK

Max Width : 6m (19')
2 Frame System

EK

Max Width : 12m (39')
4 Frame System

DK

Max Width : 20m (66')
6 Frame System

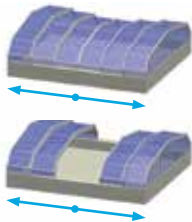
VK

Max Width : 24m (78')
8 Frame System

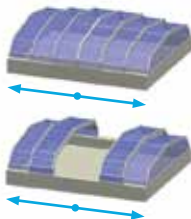
RK

Max Width : 27m (88')
10 Frame System

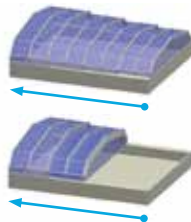
R1 Retraction
Largest modules at the ends



R2 Retraction
Largest modules in the middle
(recommended solution)



R3 Retraction
Single side retraction
end wall retracting up







Project Number
#6686



Project Name **Point Bornova Shopping Mall**

Location **Bornova / Izmir / Turkey**

Size (WxLxH) **10m x 21m (32' x 68') / 22 Units (5500 m²)**

Glazing **8mm T + 16 + (4+4) Laminated IG**



LIBART

MOTION IN ARCHITECTURE

ClearSky / DK

69





Project Number
#5052



Project Name **Endulus Park Shopping Center**
Location **Bursa / Turkey**
Size (W x L x H) **10m x 9m (32' x 29') / 10 systems**
Glazing **6mm T + 12 + (4+4) Laminated IG**



LIBART

MOTION IN ARCHITECTURE

ClearSky / DK

71





Project Number
#1284



Project Name **Water Garden Shopping Mall**

Location **Istanbul / Turkey**

Size (WxLxH) **8m x 65m (26' x 213')**

Glazing **12mmT Printed Laminated Glass**



LIBART

MOTION IN ARCHITECTURE

ClearSky / DK

73





Project Number
#3941



Project Name **Masjid Ash Shaliheen Mosque**

Location **Brunei**

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

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



LIBART

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**



LIBART

MOTION IN ARCHITECTURE

ClearSky / VK

77



12:50

A POINT	SCORE	B POINT
25	2	29
2	803	3



Project Number
#5042



Project Name **Tarek Ibn Ziad School**

Location **Doha / Qatar**

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

Glazing **8 mm R Tempered +16+ (4+4) laminated IG**



LIBART

MOTION IN ARCHITECTURE

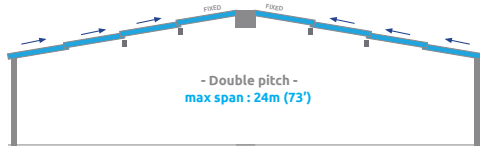
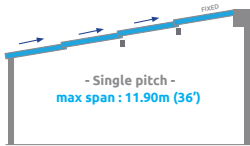
ClearSky / RK

79

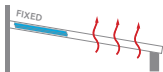
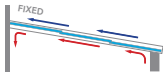
Libart's SolaGlide systems provide profitable outdoor spaces that can be used all year round, whatever the weather. Thermally-broken mullions, insulated glass panels, and structurally bonded frames with extensive weather sealant components assure you safety and comfort.

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 .

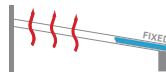
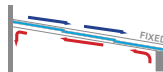




Retraction Up Opening



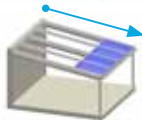
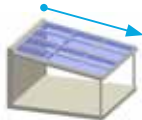
Retraction Down (available only in 66% opening)



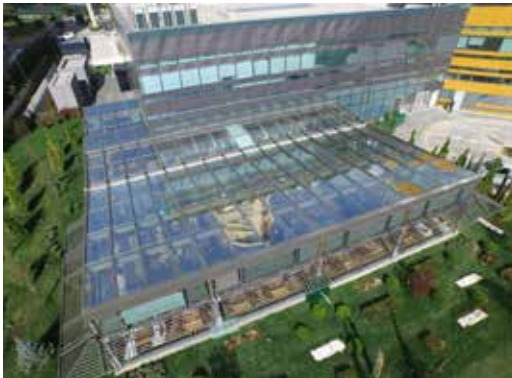
66% Retraction
Opening up

66% Retraction
Opening Down

75% Retraction
Opening up







Project Number
#4047



SOLA GLIDE / RRG

Project Name **Palladium Polenez Grill**

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



SOLA GLIDE / RRG

Project Name **Thales Bar Kadikoy**

Location **Kadikoy / Istanbul / Turkey**

Size (W x L x H) **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



SOLA GLIDE / 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)mm IG**



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**



LIBART

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 / RRG

Project Name **Legal Sea Food**
Location **Boston / MA / USA**
Size (WxLxH) **18m x 9.4m (59' x 31')**
Glazing **16mm Solar Control PC Glazing**



LIBART

MOTION IN ARCHITECTURE

SolaGlide / RRG

95





Project Number
#1235



SOLA GLIDE / RRG

Project Name **Fox and Pheasant**

Location **London / United Kingdom**

Size (w x h) **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.



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 represents a new paradigm in the world of architectural doors and windows: Panora'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.



Panora



Windows & Doors

GUL Systems

Windows

W 2



W 3



Countertop



Doors

D 2



D 3



Retraction Stacking Up

GUM & GUM+ Systems

Windows

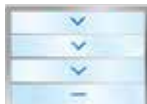
W 2



W 3



W 4



Doors

D 2



D 3



D 4



GUF & GUF+ Systems

Windows

W 2



Doors

D 2









Project Number
#3589



PANORA GUL-W3

Project Name **Dark Hill Hotel**

Location **Laleli / Istanbul / Turkey**

Size (w x h) **4.5m x 3.1m (14' x 10') / 10 Units**

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



LIBART

MOTION IN ARCHITECTURE

Panora GUL-W3

107





Project Number
#4833



PANORA GUL-W3

Project Name **Carolina Ale House Restaurant**

Location **Raleigh /NC /USA**

Size (w x h) **3.8m x 2.7m (12' x 8') / 14 Units**

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



LIBART

MOTION IN ARCHITECTURE

Panora GUL-W3

109





Project Number
#4126



PANORA GUF-W2

Project Name **Vallgatan Coffee Shop**

Location **Sweden**

Size (w x h) **4,3 x 2,8 m (14' x 9')**

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



LIBART

MOTION IN ARCHITECTURE

Panora GUF-W2

111





Project Number
#2101



PANORA GUM-D4

Project Name **Cooper's Hawk Winery**
Location **Liberty Twp. /OH /USA**
Size (w x h) **4,2 x 3,6 m (13' x 11') / 2 Units**
Glazing **8mm Tempered + 16 + 8mm Tempered**



LIBART

MOTION IN ARCHITECTURE

Panora GUM-D4

113





Project Number
#3487



PANORA GUM-D4

Project Name **Brasserie Lipp**

Location **Sweden**

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

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



LIBART

MOTION IN ARCHITECTURE

Panora GUM-D4

115





Project Number
#6623



PANORA GUM-D4

Project Name **Steam Hotel**

Location **Sweden**

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

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



LIBART

MOTION IN ARCHITECTURE

Panora GUM-D4

117





Project Number
#4530



PANORA GUL-D4

Project Name **Inya Road Villas**

Location **Yangon / Myanmar**

Size (W x H) **3.5m x 3.4m (11' x 11')**

Glazing **6T clear solar lowe 70/41 + 20 + 6 clear**



LIBART

MOTION IN ARCHITECTURE

Panora GUL-D4

119

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 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.



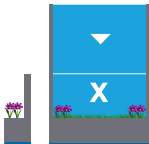
Windbreak System

KU-FC



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

KU-FB



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





Project Number
#3869



Project Name **Mono Cafe**
Location **Istanbul / Turkey**
Size (w x h) **1.5m x 1.85m (4' x 6') / 12 Units**
Glazing **6mm Tempered Glass**



LIBART

MOTION IN ARCHITECTURE

Kinetic / KU-FC

123





Project Number
#3564



Project Name **M Gallery Accor Hotel**

Location **Istanbul / Turkey**

Size (w x h) **1.5m x 1.85m (4' x 6') / 47 Units**

Glazing **6mm Tempered Glass**



LIBART

MOTION IN ARCHITECTURE

Kinetic / KU-FC

125





Project Number
#1347



KINETIC / KU-FB

Project Name **Rönensans Shopping Mall**

Location **Istanbul / Turkey**

Size (W x H) **1.5m x 1.85m / 200 Units**

Glazing **6mm Tempered Glass**



LIBART

MOTION IN ARCHITECTURE

Kinetic / KU-FB

127



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MOTION IN ARCHITECTURE

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4530



#4047



4921



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