



LIBART

MOTION IN ARCHITECTURE



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Libart East Private Limited
June 2023



Product Map of Libart Systems

STRUCTURES

FreeStanding																		
Retractable Full Height Structures	<table border="1"> <tr> <td>BF</td> <td></td> <td>EF</td> <td></td> <td>DF</td> <td></td> <td>VF</td> <td></td> </tr> <tr> <td>Inclined Walled Full Height Structures</td> <td>E7</td> <td></td> <td>D7</td> <td></td> <td>V7</td> <td></td> <td></td> <td></td> </tr> </table>	BF		EF		DF		VF		Inclined Walled Full Height Structures	E7		D7		V7			
BF		EF		DF		VF												
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LeanTo							
Lean-To Full Height Structures	<table border="1"> <tr> <td>EL</td> <td></td> <td>DL</td> <td></td> <td>VL</td> <td></td> </tr> </table>	EL		DL		VL	
EL		DL		VL			

SKYLIGHT / ROOFS

ClearSky																															
Retractable Dome Skylights	<table border="1"> <tr> <td>AK</td> <td></td> <td>EK</td> <td></td> <td>DK</td> <td></td> <td>VK</td> <td></td> <td>RK</td> <td></td> </tr> <tr> <td>Inclined Walled Retractable Skylights</td> <td>A7B</td> <td></td> <td>E7B</td> <td></td> <td>D7B</td> <td></td> <td>V7B</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Retractable Skylights</td> <td>BFB</td> <td></td> <td>EFB</td> <td></td> <td>DFB</td> <td></td> <td></td> <td></td> </tr> </table>	AK		EK		DK		VK		RK		Inclined Walled Retractable Skylights	A7B		E7B		D7B		V7B				Retractable Skylights	BFB		EFB		DFB			
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SunRoof						
Horizontal Retractable Skylight 50 % or 70 % Opening	<table border="1"> <tr> <td>RH</td> <td></td> <td>Max Width : 6m (19)</td> <td>Max Length : 28m (91)</td> <td>1 Frame System</td> </tr> </table>	RH		Max Width : 6m (19)	Max Length : 28m (91)	1 Frame System
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SolaGlide						
Single Sloped Retractable Skylight 66% or 75% Opening	<table border="1"> <tr> <td>RRG</td> <td></td> <td>Min Slope : 6°</td> <td>Max Slope : 16°</td> <td>Max Span : 11m (36)</td> </tr> </table>	RRG		Min Slope : 6°	Max Slope : 16°	Max Span : 11m (36)
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Double Sloped Retractable Skylight 66% or 75% Opening	<table border="1"> <tr> <td>RRG</td> <td></td> <td>Min Slope : 6°</td> <td>Max Slope : 16°</td> <td>Max Span : 22 m (72)</td> </tr> </table>	RRG		Min Slope : 6°	Max Slope : 16°	Max Span : 22 m (72)
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LIBART RETRACTION OPTIONS

	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
Freestanding ClearSky			
LeanTo			

	66% Retraction Opening up	66% Retraction Opening Down	75% Retraction Opening up
RRG Retraction			

FreeStanding Retractable Structure



**Babylon Beach Club – TUR
(Istanbul)**

FreeStanding Retractable Structure

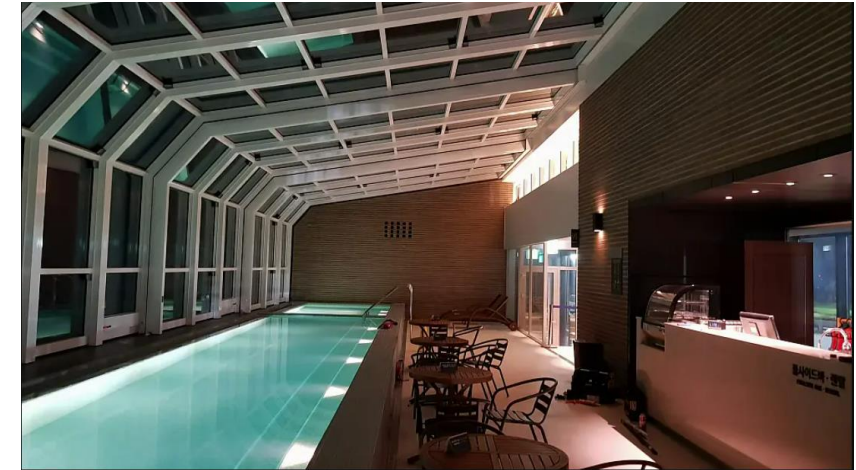


St. John's Hotel – KOREA (Gangneung)



St. John's Hotel, South Korea

LeanTo Retractable Structure



Maple Beach Hotel – KOREA

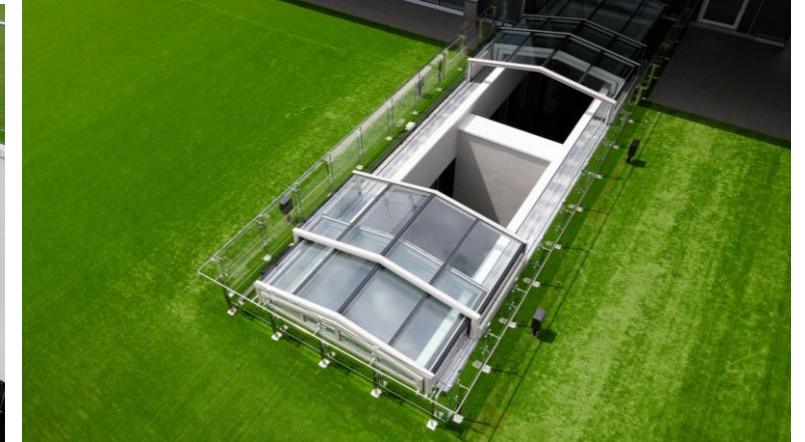


LeanTo Retractable Structure



Juniper Rooftop Bar – USA (Ohio)

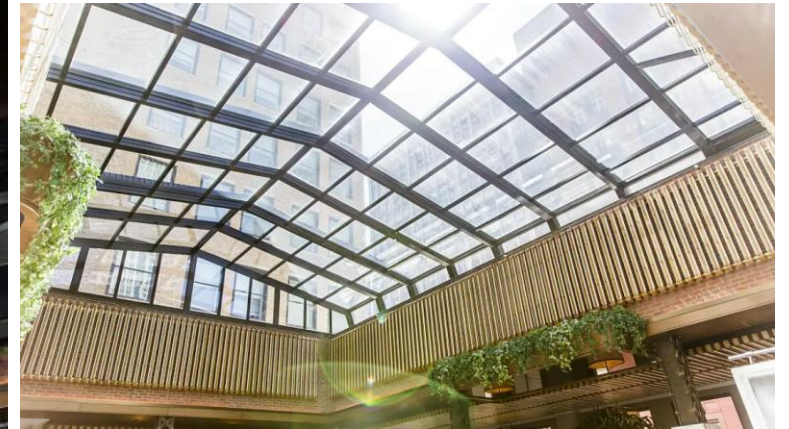
ClearSky Retractable Skylights



Busan Park Restaurant – KOREA (Busan)



ClearSky Retractable Skylights



Kimpton Gray Hotel – USA
(Chicago)

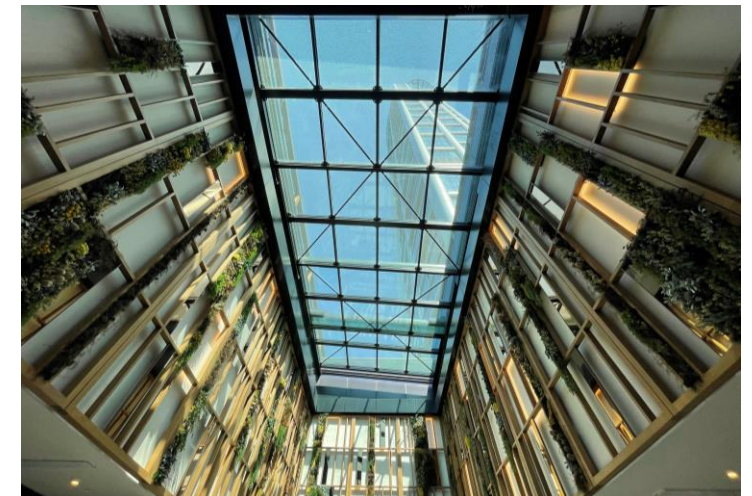
SolaGlide Retractable Skylights



Chilai Bebek – TUR (Istanbul)



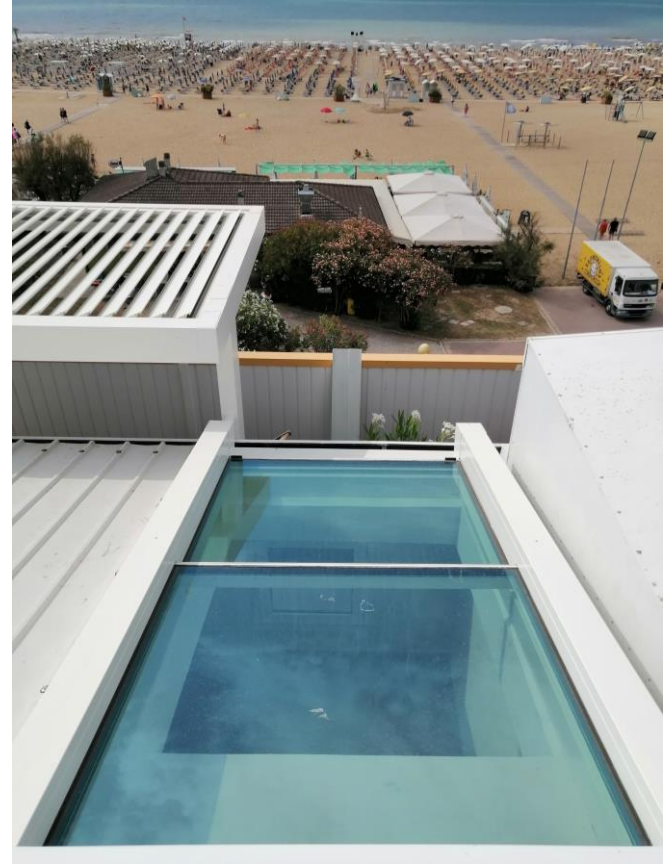
SunRoof Retractable Skylights



Address Hotel Istanbul – Emaar – TUR (Istanbul)



SunRoof Retractable Skylights



Fanzago Residence – ITA



New era for Windows and Doors

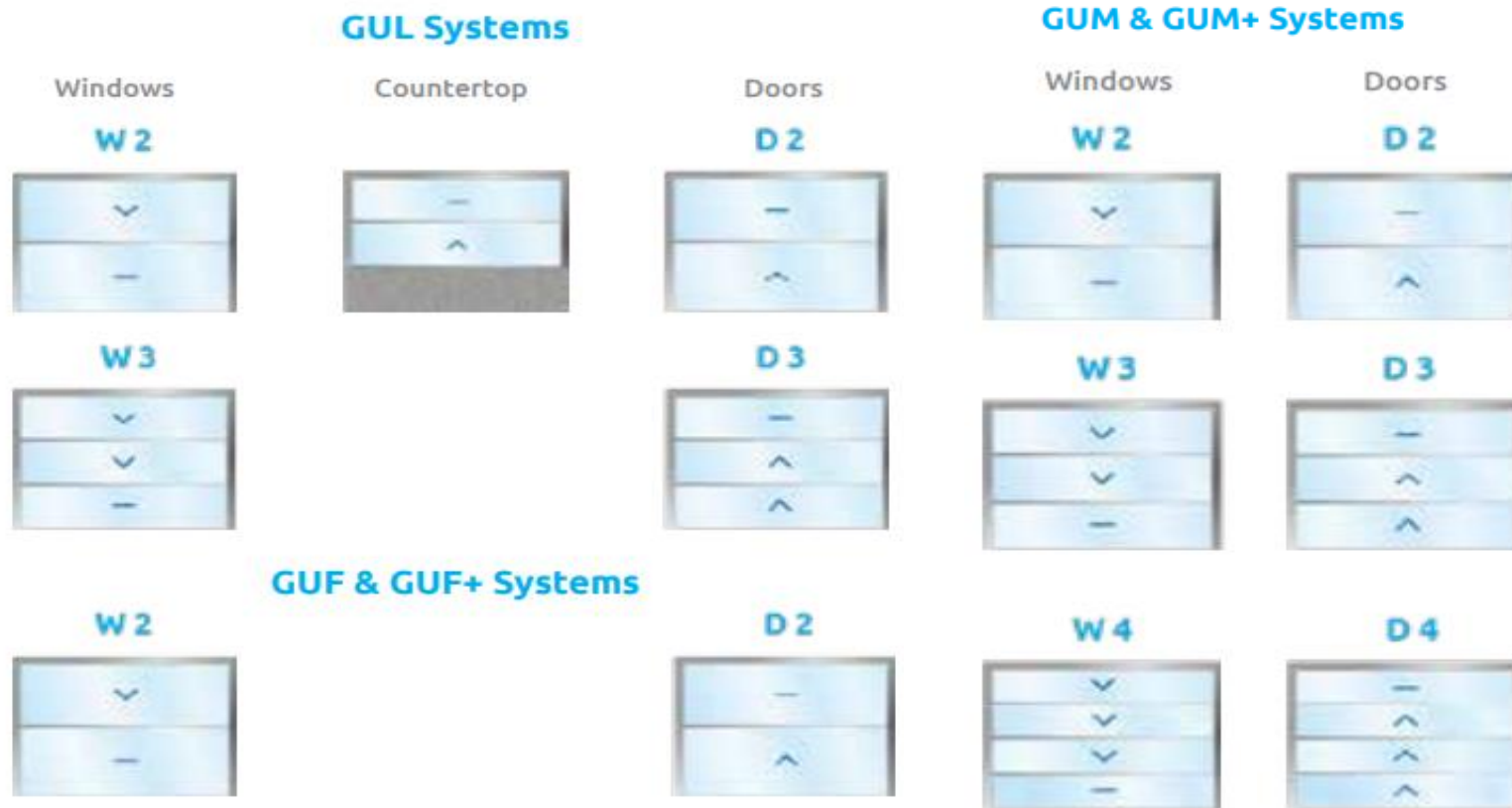
Unobstructed View with Vertical Retracting Windows and Doors



www.panorasystems.com

Product Map of Panorama & Kinetic Systems

Panora Vertical Retracting Windows & Doors



Kinetic Telescopic Glass Railing



Panora Vertical Retracting Windows

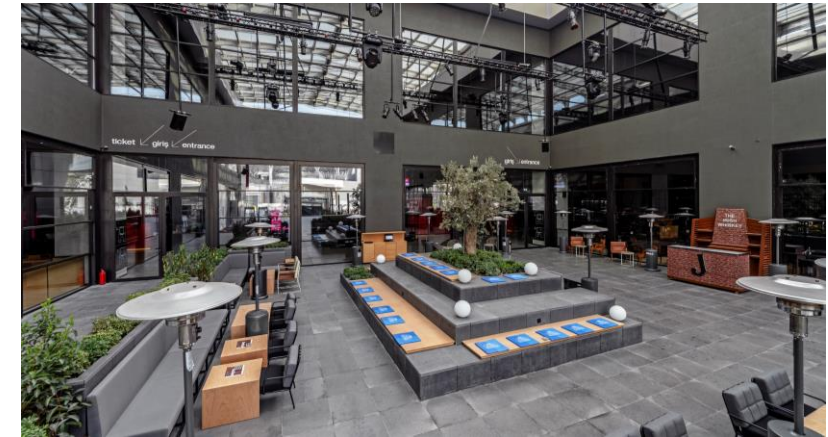


Indigo Hotel Rochester – USA (Indiana)

Panora Vertical Retracting Windows – Façade Systems



Panora Vertical Retracting Doors



Dasdas Theatre – TUR (Istanbul)

Panora Vertical Retracting Countertop Window



Libart Reception – TUR (Istanbul)

Kinetic Telescopic Glass Railing – Fixed Units (KU-FC)



McCulloughs Villa - Kodiak Lake – USA (Indiana)

Kinetic Telescopic Glass Railing – Portable Units (KU-FB)



Six Senses Hotel – TR (Istanbul)

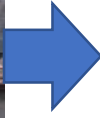
CASE STUDIES

Indoor Comfort, Outdoor Freedom

How To Add Commercial Spaces To Existing Structures And Open Spaces?



BEFORE



AFTER



Exclusive restaurant from an unused rooftop area...

(Minneapolis, MN, USA)



CLOSED



OPEN

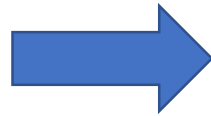


Retractable Structures;

- Sunlight,
- Fresh Air,
- Easy Retrofit...



BEFORE



AFTER



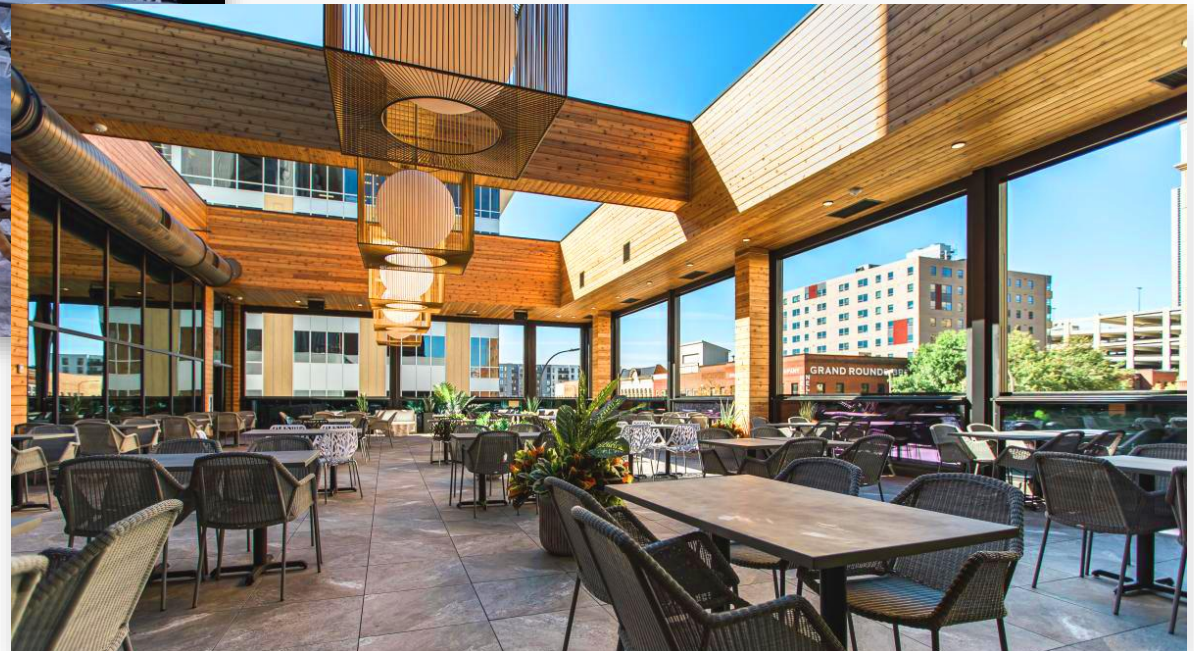
CLOSE



OPEN



- Panoramic full view
- Support to support up to 6m wide and 6m height
- Stylish architectural combination with Retractable Skylight Systems and Vertical Retracting Window



Indigo Hotel Rochester, USA
Libart Retractable Skylights/Roofs &
Panora Vertical Retractable Windows

«The future of shopping centers will blur the boundaries between interior and exterior spaces»

Henriquez Partners Architects, Oakridge Centre, Vancouver CA

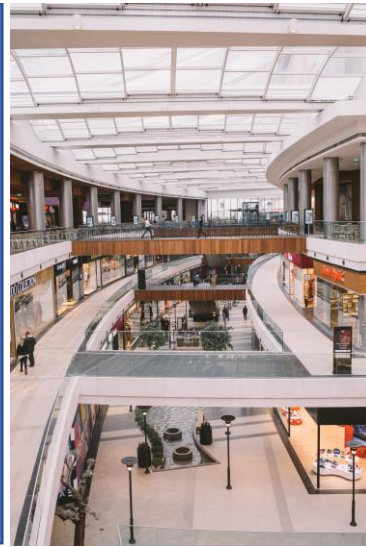




First Avenue Shopping Center



Point Bornova Shopping Center



Vertical Retracting Façade Windows



Technical Details

- Max W: 6m
- Max H: 6m
- Operable Sash Weight up to 1000kg

- $U_w = 1.3 \text{ W/m}^2\text{K}$,
- Triple IG
- Frames will accept IG of up to 38mm
- Thermally Broken Profiles
- Watertightness (EN 12208): Class 7A
- Safety Load (EN 12210): 1800 Pa
- Air Permeability (EN 2207): Class 3 (600Pa)
- Resistance to Wind Load (EN 12210): C3 (1200 Pa)

Security Systems

- Light Barrier, Red-Eye, Night Lock

Vertical Retracting Façade Doors



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About Libart


1,000+
Customers

40+
Dealers

100+
Workers

WE ARE HERE FOR YOU

4 Manufacturing Facilities globally, with offices in more than 40 Countries...



Libart International
Design, Sales and
Manufacturing
Turkey

Libart International
Corporate Office
Canada

Libart North America,
Sales and Manufacturing
USA

Libart Middle East,
Sales and Manufacturing
Dubai

Libart Mumbai
Sales and Manufacturing
India

5
Manufacturing Facilities

50+
Export Countries

25+
Years of Experience

History of Libart

- 1990** > **Libra Group** Served construction industry with innovative systems
- 1992** > **LIBART** Started with Façade and Sklights
- 1996** > **Avrupa** Libart becomes one of the largest skylight manufacturers in Europe
- 2000** > **Motion in Architecture** Started manufacturing retractable enclosures, structures and systems business
- 2002** > **Globalleşme** Entered North American market with business office in Canada
- 2009** > **ABD** New production unit established in Ohio
- 2012** > **Avusturalya** Factory established in Carrum downs, Victoria
- 2016** > **Panora View** Vertical Motorized Windows & Doors
- 2016** > **Kinetic** Innovative technology that introduced new perspective of outdoor views
- 2017** > **Libart Website** Libart went online with websites in 7 different languages
- 2018** > **UK Partnership** in UK facilitate in European clients
- 2018** > **Hindistan** Satisfying the demand of South Asian market
- 2020** > **Panora Systems** Libart has found Panora brand for vertical retractable Windows & Doors
- 2021** > **Libart Orta Doğu** Dubai Office has been established with the manufacturing facility
- 2021** > **Libart & Schueco İş Birliği** A strategic partnership has been signed to support Schueco fabricators in Middle East
- 2023** > **Libart India** Mumbai Office has been established with the manufacturing facility.

Technical Infrastructure of Libart



Thank You
www.libart.com