Selection Guide

Types of Kinetic Architectural Systems

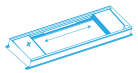
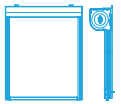
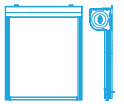
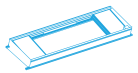
STOETT

LIBART

How to Use This Guide

Designing a WOW Factor Into Hotel / Restaurant Rooftops and Patios

Step 1 - Vision	This process begins with a vision and a business plan. If you haven't already, please review "Designing a WOW Factor Into Hotel / Restaurant Rooftops and Patios." The WOW Factor guide will help you with the vision. We'll follow that up with an ROI Guide directly to your inbox. **Access your copy here.**
Step 2 - Size	Once you have a clear vision, the next step is to determine which types of kinetic architectural solutions will accommodate the size of your space. This will help narrow down the options available.
Step 3 - View	Each type of kinetic architectural system has it's own unique design features. Consider which skyline or horizon view best aligns with your vision and goals for the space.
Step 4 - Performance	Each application calls for a different level of protection from the elements. Truly kinetic architectural solutions are capable of year-round use with efficient heating and cooling. When the application allows there are also more seasonal solutions.
Step 5 - Live Loads	Consider your site-specific live loads for wind, snow and seismic conditions.
Step 6 - Budget	Always a factor, budget guidelines are provided in order to complete the viability assessment of your project.
Step 7 - Construction	Every kinetic architectural solution must work with the rest of the building systems. These construction preparation requirements ensure proper selection.

		Structures		Skylights / Roofs			Windows & Doors		Screens and Shades		
		Freestanding	Lean-To	ClearSky	SolaGlide	SunRoof	Panora - View	Panora - Kinetic	Clear Vinyl	PanoramaLite	Panorama
STOETT / LIBART											
		Full Arch	Half Arch	Full Open Roof	Sloped Skylight	Lateral Operating Skylight	Doors and Windows	Wind Breaks	Motorized or Manual Vertical Retracting Weather Barrier	Manual Vertical Retracting Screen or Shade	Motorized Vertical Retracting Screen or Shade
Your Vision	Which is like your project?										
		J. Parker at Hotel Lincoln, Chicago IL	The Godfrey Hotel, Chicago, IL	Federales Tequila & Tacos, Chicago, IL	Legal Haborside, Boston, MA	New Product	Carolina Ale House, Raleigh, NC	Balcony Railing, Indiana	Porch Application, Archbold, OH	PanoramaLite Product Page	Patio/Lanai, Orlando, FL
Size	Maximum Width / Span	70'	29'	66'	36'	19'	Multiples up to 18'	Multiples up to 63"	Multiples up to 20'	Multiples up to 14'	Multiples up to 24'
	Maximum Length	200'	200'	200'	Adjoining Unlimited	200'	Adjoining Unlimited	Adjoining Unlimited	Adjoining Unlimited	Adjoining Unlimited	Adjoining Unlimited
	Maximum Height	25'	25'	25'	Min 2/12 Pitch	n/a	18'	8'	11'	9'	13'
Desired View	Unobstructed Window View	Yes - 4 sides	Yes - 3 sides	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes
	Unobstructed Sky View	Yes	Yes	Yes	66 or 75%	50 or 75%	n/a	n/a	n/a	n/a	n/a
Envelope Performance	Level of Weatherproofing (High, Med, Low)	Med	Med	Med	High	Med	High	n/a	Med	Insects and Solar	Insects and Solar
	Energy Efficiency (High, Med, Low)	Med	Med	Med	High	Med	High	n/a	Low	Passive Cooling and Shade	Passive Cooling and Shade
Climate	Suitable Locations	All	All	All	All	No Snow Load	All	All	All	All	All
Budget Pricing (Install Not Included)	$ Per Square Foot Unless Otherwise Stated Min. 1,000 sf	$250 - $350	$250 - $350	$250 - $350	$200 - $300	TBD	$1,500 - $2,500 Per Lineal Foot	$900 - $1,200 Per Lineal Foot	$160 - $400 Per Lineal Foot	$90 - $200 Per Lineal Foot	$145 - $325 Per Lineal Foot
Construction Preparation	Foundation, Adjacent Structure and/or Framing Requirements	Rigid Floor On Load Bearing Wall or Frost Protected Foundation		Load Bearing Walls + Rail Platforms	Load Bearing Walls and Steel Roof Structure		Requires Rough-In Framing	Rigid Foundation or Floor	Interior, Exterior or Inside Jamb	Interior, Exterior or Inside Jamb	Interior, Exterior or Inside Jamb

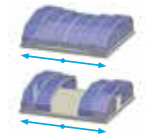
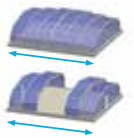
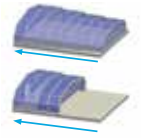
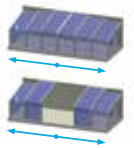
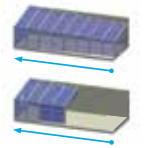
STOETT
LIBART

Product / Model Map

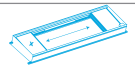
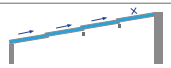
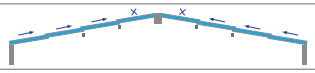
STRUCTURES

FreeStanding	Retractable Full Height Structures	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		
FreeStanding	Inclined Walled Full Height Structures	E7	Max Width: 14m (45') 4 Frame System	D7	Max Width: 18m (59') 6 Frame System	V7	Max Width: 20m (65') 8 Frame System				
LeanTo	LeanTo Full Height Structures	EL	Max Width: 7m (22') 2 Frame System	DL	Max Width: 8m (26') 3 Frame System	VL	Max Width: 9m (29') 4 Frame System				

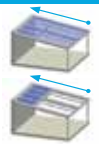
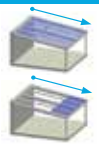
Libart Retraction Options

	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			

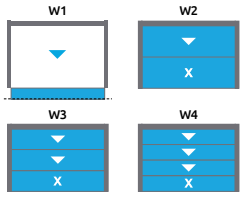
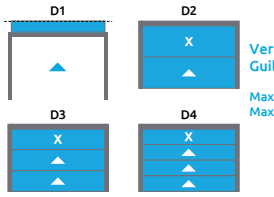
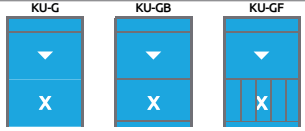
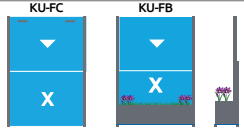
SKYLIGHT / ROOFS

ClearSky	Retractable Skylights	BFB	Max Width: 4m (13') 3 Frame System	EFB	Max Width: 12m (39') 4 Frame System	DFB	Max Width: 16m (52') 6 Frame System				
ClearSky	Inclined Walled Retractable Skylights	E7B	Max Width: 13m (42') 4 Frame System	D7B	Max Width: 17m (55') 6 Frame System	V7B	Max Width: 18m (59') 8 Frame System				
ClearSky	Retractable Dome Skylights	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
SunRoof	Horizontal Retractable Skylight 50% or 70% Opening	RH		Max Width: 6m (19') Max Length: 28m (91') 1 Frame System							
SolaGlide	Single Sloped Retractable Skylight 66% or 75% Opening	RRG		Min Slope: 6° Max Slope: 16° Max Span: 11m (36')							
SolaGlide	Double Sloped Retractable Skylight 66% or 75% Opening	RRG		Min Slope: 6° Max Slope: 16° Max Span: 22 m (72')							

SolaGlide Retraction

66% Retraction Opening Up	66% Retraction Opening Down	75% Retraction Opening Up
		

WINDOWS & DOORS

Panora-View	Motorized Vertical Retracting Doors & Windows	GUW		Vertical Retracting Windows Max W: 5,5m (18') Max H: 5,5m (18')	GUD		Vertical Retracting Guillotine Doors Max W: 5,5m (18') Max H: 5,5m (18')		
Panora-Kinetic	Semi-Automatic Vertical Retracting Wind-Break Systems	KU		Retractable Balcony Glass Railing and Wind-Break Max W: 1,5m (4') Max H: 3 m (9')	KU		Retractable Glass Railing and Wind-Break Max W: 1,5m (4') Max H: 1,85m (6')		

STANDARD QUALITY OF LIBART SYSTEMS

- Libart systems are built to IBC and Eurocode Standards. Request specification for each system or alternative standards.
- All Libart's systems, inclusive of structural elements are made from 6061 or 6063-T6 aluminum profiles that are electrostatic baked-on powder painted. Other options are available on a project basis.
- Accessories, hardware and components are made of Stainless Steel or corrosion resistant materials.
- There are wide ranges of glass glazing options available, for other glazing options please contact your Libart designer.

The widths indicated in the "Product Map" is for system selection purpose only. Libart custom engineers all systems to site-specific structural needs, therefore, please contact us for exact dimensions and system design requirements.