Light + Air
North America

Briteway® + LiteBrow™ Product Data Sheet

Polycarbonate Canopy + Walkway Systems







Briteway® canopies and walkways and LiteBrow™ suspended canopies offer shelter and protection for building occupants plus the benefits of diffuse natural light – in a system that's also cost-effective and easy to install. Whether it's a simple design or complex custom configuration, Briteway® canopies and walkways and LiteBrow™ suspended canopies feature prefabricated components for reduced labor time, a strong triple-tooth standing seam connection for durability, and a wide range of glazing color options to accommodate just about any design need.

- Polycarbonate glazing features less weight and more impact resistance than traditional glass solutions
- Standing seam design with triple tooth-connection – able to withstand extreme loading
- Tight-cell extrusion for increased durability and enhanced light diffusion
- Co-extruded UV protection integrated within the panel for color stability
- Numerous standard color options – custom and color matching also available
- Rust-free aluminum structure offers excellent durability and system longevity
- Custom designed to your needs - we can provide just the glazing or the entire canopy structure from the ground up - contact us for more information
- Briteway® is available in a wide variety of styles including vaults, ridges and single slope configurations (custom designs also available) with curved clearspan walkway widths of up to 20 feet
- Components shipped fabricated and ready to assemble
- LiteBrow™ suspended canopies come ready-to-install, can utilize either multiwall glazing or our monolithic U-Lite™ glazing panels
- LiteBrow™ canopies are available in 5x4, 5x8, and 5x12 units and are a simple way to call out entrways while protecting occupants from the elements

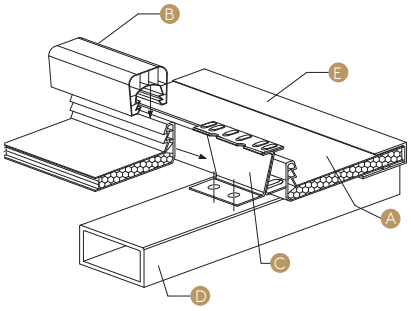
Product Specifications	
Panel Thicknesses	Nano-Cell® 12 mm or 16 mm (4mm monolithic glazing is an additional option for LiteBrow™ Suspended Canopies)
Panel Width	23-3/4" (600mm) wide
Max Panel Length	38' - Contact us to check feasibility for longer applications
Panel Weight	1.5 to 2lbs/ft²
Minimum Slope	2:12
Glazing Finish	Standard: Matte Non-Standard: Non-Matte
Glazing Color	Standard: Clear, Ice White, White, Blue, Green, Reflective Gray (Non-Matte Only), Gray, Bronze
Aluminum Finishes	Painted: AAMA 2605 - standard and custom colors (mica available) Anodized: AAMA 611 Class 1 - clear and color options
Material Content	Aluminum: Between 60 and 75% Recycled Content Glazing: All virgin material
Warranty	10 year leak + glazing light transmission % 1 to 20 year aluminum finish depending on selection
Material Source	Kingspan Light + Air N.A. products are manufactured in the USA and most are designed with consideration for Buy America (BAA) and Build America - Buy America (BABA) requirements. BABA Compliance is project-specific. Please contact us to verify the compliance of your configuration.

Test Data

Performance Metric	Standard	Briteway® 16mm	Briteway® 12mm
Water Permeability	AAMA 501.2	Pass	
Ultraviolet Transmission	EN 410	< 0.05%	
Hail Impact	ASTM E 822	Warrantied to resist breakage up to 1-3/16" @ 55mph Tested to remain intact up to 3" @ 90mph	
Florida Product Approval (FPA)	TAS 202 + 203	Up to +/- 200 PSF	N/A
	Listing Number	FPA#: FL6475 HVHZ Approved	
TX Dept of Insurance	TDI	FL-6475	N/A
Fall Protection	ASTM E 661 in reference to OSHA: 1926.502(i)(2), and/or CalOSHA: Sections 1632(b)(3), 3212(b)	800lb. Concentrated Load	
ICC Evaluation	N/A	ICC-ESR 4745	
Environmental Product Declaration	ISO 14025 and ISO 21930	N/A	Available

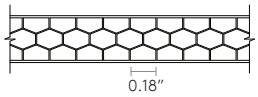
Fire Testing Performance Metric	Standard	Code Requirement	Result**	Classification
Ignition Temp	ASTM D 1929	Min 650° F	950° F	Pass
Smoke Development	ASTM D 2843	Max 75	62.7	Pass
Flame Spread & Smoke Developed	ASTM E 84	Max Flame Spread: 25 Max Smoke Developed: 450	Flame Spread: 0 Smoke Developed: 40	A
Burning Rate	ASTM D 635	Max 2-1/2" (CC2)	0"	CC1

**Note: All KLA Polycarbonate types have varying results - all meet or exceed these values



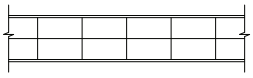
A Polycarbonate glazing panel
B Triple-tooth panel connector
C Stainless steel panel clip
D Aluminum purlin substructure
E Aluminum framing system

Nano-Cell Extrusion



VS.

Wide-Cell Extrusion



Briteway® features glazing with smaller cells, allowing for greater impact resistance and a more even diffusion of the sun's rays.

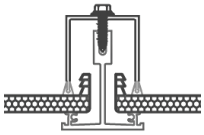
Batten + Rafter Options



Polycarbonate Batten



2" Aluminum Batten (3" Also Available)



U-Lite™ Rafter

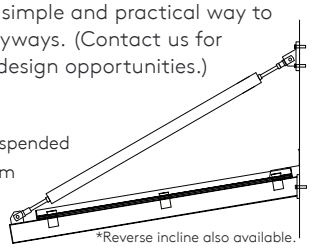




LiteBrow™ Canopies

LiteBrow™ is a pre-engineered attached canopy system that's available in three standard sizes - 5x4, 5x8, and 5x12 - and with 12mm or 16mm cellular glazing or 4mm monolithic glazing. LiteBrow™ is shipped fully-assembled, including connection components and hardware, for fast, easy installation. They're a simple and practical way to protect walkways and entryways. (Contact us for more options and custom design opportunities.)

LiteBrow™ Suspended Canopy System



Performance Data

Panel Thickness	Glazing Color	SHGC	VT
Briteway® 12mm	Clear	0.6	0.63
	Ice White	0.56	0.56
	White	0.36	0.24
	Green	0.59	0.53
	Gray	0.54	0.41
	Bronze	0.54	0.43
Briteway® 16mm	Clear	0.59	0.56
	Ice White	0.45	0.44
	White	0.32	0.19
	Blue	0.51	0.19
	Green	0.56	0.47
	Gray	0.41	0.18
	Bronze	0.45	0.27

Span Chart*		
PSF	Polycarbonate Batten	Aluminum Batten
20	4'	6.74'
30	4'	5.77'
40	4'	4.32'
50	3'	3.43'
60	3'	2.87'
70	2.48'	2.48'
80	2.15'	2.15'
90	1.91'	1.91'

*Guidelines only - confirm project specific spans with Kingspan Light + Air







Color + Finish Options

Multiwall Polycarbonate Sheet Color Options:

Polycarbonate sheet colors are available in eight standard colors (see select examples at right) as well as special order and custom options. Please contact us for additional information.



(Left to Right: Clear, Ice White, White, Green, Blue, Gray, Bronze.
*NOTE: Colors shown above are for illustrative purposes only. Actual color may vary.)

Aluminum Finish Color Options

Painted finishes meet AAMA 2605 and are available in a wide range of colors. They offer excellent color retention, salt-spray resistance, simple field touch-up and repainting capabilities, and are applied in facilities that use air capture systems to destroy VOCs with a regenerative thermal oxidizer. Anodized options are also available. Please review our Finish Color Options brochure for additional details.





Specialty Configurations

Pre-engineered Canopies

Our clearspan curved canopy is a standardized system that has been designed to eliminate the need for cross-bracing, opening up the space below the canopy structure to create a more comfortable and pleasant environment for pedestrians. And our LiteBrow™ suspended canopies are an easy and convenient solution for protecting occupants from the elements.





Single Source Solutions

We can deliver single-source, ground-up solutions that include preliminary design, engineering, manufacturing, fabrication, and delivery of the complete canopy or walkway system, including the support structure. Having one source helps simplify logistics and ensures consistent quality throughout the entire ordering process.





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