



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	12 mm or 16 mm (4mm monolithic glazing is an additional option for LiteBrow™ Suspended Canopies)
Panel Width	Nominal 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

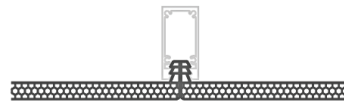
Performance Metric	Standard	Briteway® 16mm	Briteway® 12mm
Water Permeability	AAMA 501.2	Pass	
Florida Product Approval (FPA)	TAS 202 + 203	Up to +/-110 PSF	N/A
	Listing Number	FPA#: FL6475 HVHZ Approved	
TX Dept of Insurance	TDI	FL-6475	N/A
Fall Protection	ASTM E 661 in reference to OSHA: 1926.502(i) (2), and/or CalOSHA: Sections 1632(b) (3), 3212(b)	800lb. Concentrated Load	
Reaction to Fire**	ASTM D 1929 ASTM D 2843 ASTM E 84 ASTM D 635	Complies with Ignition Temperature (950F Actual > 650F Min Required) Complies with Smoke Development (62.7 Actual < 75 Max Required) Interior Flame Spread Index: 0 - Smoke Developed Index: 40 (Class A) Combustibility Class 1 (CC1) (Zero Burn Rate Actual < 1" Required)	
ICC Evaluation	N/A	ICC-ESR 4745	
Environmental Product Declaration	ISO 14025 and ISO 21930	N/A	Available

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

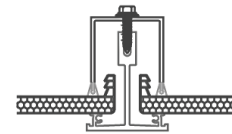
Batten + Rafter Options



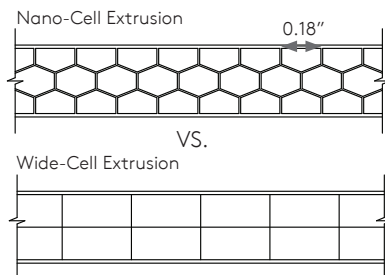
Polycarbonate Batten



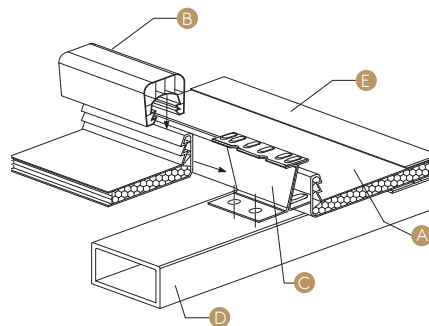
2" Aluminum Batten (3" Also Available)



U-Lite™ Rafter



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



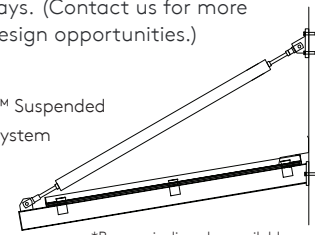
- A Polycarbonate glazing panel
- B Triple-tooth panel connector
- C Stainless steel panel clip
- D Aluminum purlin substructure
- E Aluminum framing system



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



*Reverse incline also available.

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.



Kingspan Light + Air

North American Headquarters
28662 N. Ballard Dr.
Lake Forest, IL 60045
Toll Free: +1 800 759 6985
T: +1 847 816 1060
E: info@kingspanlightandair.us
www.kingspanlightandair.us



To ensure you are viewing the most recent and accurate product information, please scan the QR code

Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Limited and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use or application of products or methods of working are for information only and Kingspan Limited and its subsidiaries accept no liability in respect thereof.

For the product offering in other markets please contact your local sales representative or visit kingspan.com

© Kingspan and the Lion Device are Registered Trademarks of the Kingspan Group plc in the US, Canada and other countries.

© Kingspan Light + Air

MKT-PDS-0007-2611

