



U-Lite™

Product Data Sheet

Low Slope Canopies with Monolithic Standing Seam Glazing

U-Lite™ canopy systems feature glazing panels with a slim profile, allowing them to provide a sleek, contemporary look without the high cost or difficult installation of glass. The system is designed without a perimeter frame, giving an exposed floating edge, and the glazing is lightweight, inherently flexible, and won't shatter upon impact - ensuring longevity and minimizing maintenance costs.

- Perfect for canopies with slopes as low as 1/2:12
- Systems utilize a 4mm thick monolithic standing seam glazing panel
- Designed without a perimeter frame
- Wide range of glazing colors with translucent and transparent options
- Can accommodate both standard and flared end designs
- Glazing panels are extremely durable and impact resistant
- Aluminum glazing bars enable larger spans, which can reduce both material and labor costs
- Lightweight system for fast, easy installation
- Systems available for high velocity hurricane zones (HVHZ)
- Co-extruded UV protection integrated within the glazing for superior color stability
- Wide variety of standard glazing color options - custom and color matching is also available

Product Specifications

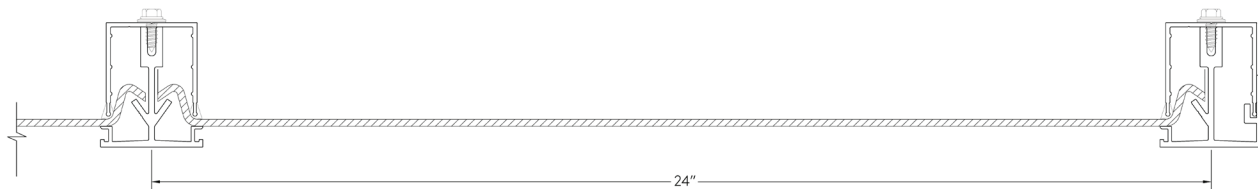
Panel Thicknesses	4mm Monolithic Polycarbonate
Panel Width + Length	Nominal 24" wide - continuous up to 20 ft
Panel Weight	1.5 to 2lbs/ft ²
Rafter Size	3" wide x 2-3/4" tall - 24" O.C. spacing
Minimum Slope	1/2:12
Glazing Finish	Gloss
Standard Glazing Colors	Clear, White Ice, White Opal, Light Blue, Light Green, Dark Bronze, Solar Grey, Dark Grey
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 Polycarbonate: 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	4mm Monolithic Polycarbonate
Florida Product Approval (FPA)	TAS 202 + 203	Up to +/-150 PSF
	Listing Number	FPA#: FL47324 - HVHZ Approved
TX Dept of Insurance	TDI	FL20323
Fall Protection	ASTM E 661 in reference to OSHA: 1926.502(i) (2), and/or CalOSHA: Sections 1632(b) (3), 3212(b)	800 lb. Concentrated Load
Reaction to Fire**	ASTM D 1929 ASTM D 2843 ASTM E 84 ASTM D 635	Complies with Ignition Temperature (1076F Actual > 650F Min Required) Complies with Smoke Development (60 Actual < 75 Max Required) Flame Spread Index: 20 - Smoke Developed Index: 400 (Class A) Combustibility Class 1 (CC1) (Zero Burn Rate Actual < 1" Required)
Environmental Product Declaration	ISO 14025 and ISO 21930	Available

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



Performance Data

Glazing Color	SHGC (ASTM E 424)	VT (ASTM D 1003)	Haze (ASTM D 1003)
Clear	0.87	0.90	<1
White Ice	0.62	0.50	66
White Opal	0.32	0.28	100
Light Blue	0.76	0.50	<1
Light Green	0.81	0.80	6
Solar Grey	0.33	0.20	67
Dark Grey	0.44	0.20	<1
Dark Bronze	0.45	0.20	<1

Span Chart*	
PSF	4mm Glazing
20	9.49'
30	8.57'
40	7.87'
50	7.32'
60	6.87'
70	6.38'
80	5.98'
90	5.65'

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





Color + Finish Options

Monolithic Polycarbonate Sheet Color Options:

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



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

Clear Polycarbonate - A Glass Canopy Alternative:

The elegant, slim profile of the glazing panels gives the U-Lite™ system the sleek look offered by glass without the high price tag. Glass systems can also require a more complicated installation, but the simplicity of the U-Lite™ system and the lightweight nature of the materials enable it to be installed quickly. With the range of glazing color options available, you can also mix-and-match clear and translucent glazing for an eye-catching look. The glazing material is also inherently flexible and will not shatter upon high impact. The excellent durability of the U-Lite™ glazing panel helps to ensure the longevity of the system, curbing future costs.



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.



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-0008-2611

