



KlearSky™

Product Data Sheet

Metal Framed Glass Skylight Systems

KlearSky™ metal framed skylights are a great way to add daylight and drama to a space. Glass skylights flood interiors with light, and can add an aesthetic focal point to entryways, atriums and other well-travelled areas. They can turn an otherwise dark and uninspiring area into one with eye-catching impact.

KlearSky™ skylights are designed and engineered for long-term durability, and offer a variety of features that can enhance performance and make installation easier, providing you with possible energy savings and less time needed on-site.

Each skylight is custom engineered to fit your project's specific needs. Standard configurations include single slopes, pyramids, polygons, ridges and segmented barrel vaults.

- QuickLink™ technology for fast and easy installation of purlin connections
- Optional thermally improved construction for enhanced performance
- Fully tested for air infiltration, water penetration, and structural integrity to deliver durable and reliable protection against the elements
- Backed by a 10-year material warranty / 2-year labor warranty (limitations apply)
- Wide selection of glass types, tints and performance coatings offer design flexibility and tailored performance whether you need enhanced energy efficiency, noise reduction, privacy, or aesthetic appeal
- Integral guttering for exceptional water management
- Engineered to span long distances without intermediate supports, maximizing open space and design flexibility while reducing material and installation costs
- Ideal for architectural applications that demand clean lines and unobstructed views

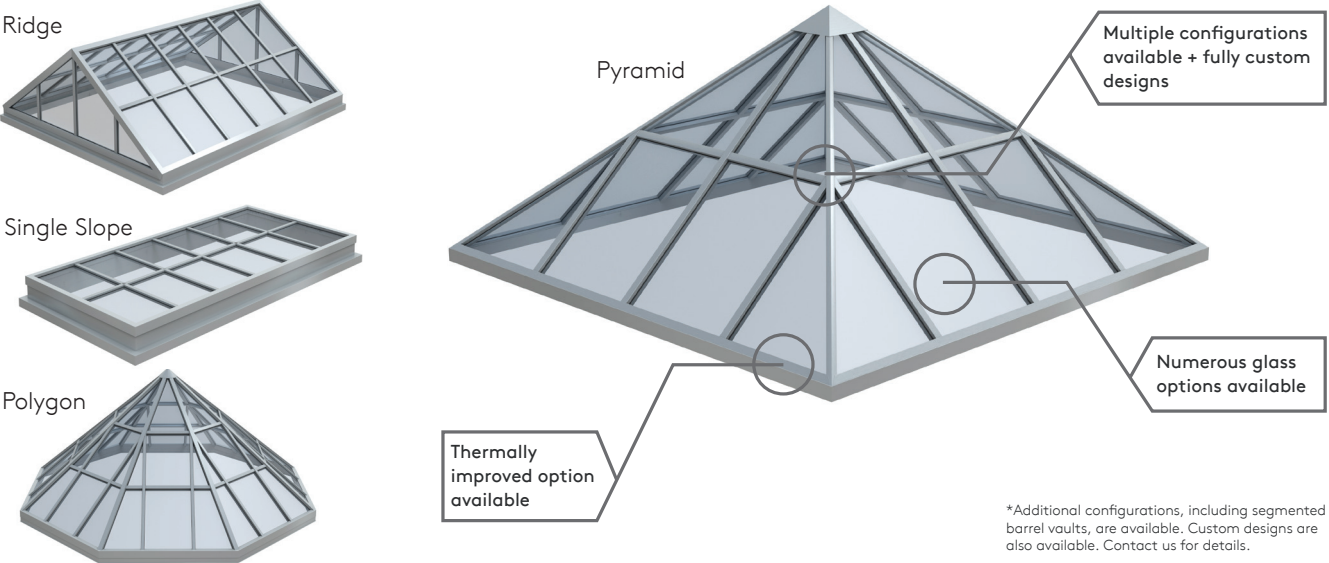
Product Specifications

Glazing Thicknesses	1/4" to 2-1/16" (Contact us for specific information on glazing options and availability - glazing thickness and weight will reduce unsupported span capabilities)
Glazing Options	Multiple glazing options available, including high performance insulating glass, laminated glass and specialty glazing (Contact us for details)
Frame	Extruded 6005-T5 aluminum frame with standard or thermally improved options
Material Content	Aluminum: No less than 50% Recycled Content
Aluminum Finishes	Painted: AAMA 2605 - standard and custom colors (mica available) Anodized: AAMA 611 Class 1 - clear and color options
Long Span Capabilities	Unsupported spans up to 40' (Based on 1-5/16" IGU, longer spans available with additional support) - contact us for additional information about your specific project needs.
Warranty	10 year material and workmanship 2 year labor (limitations apply)
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

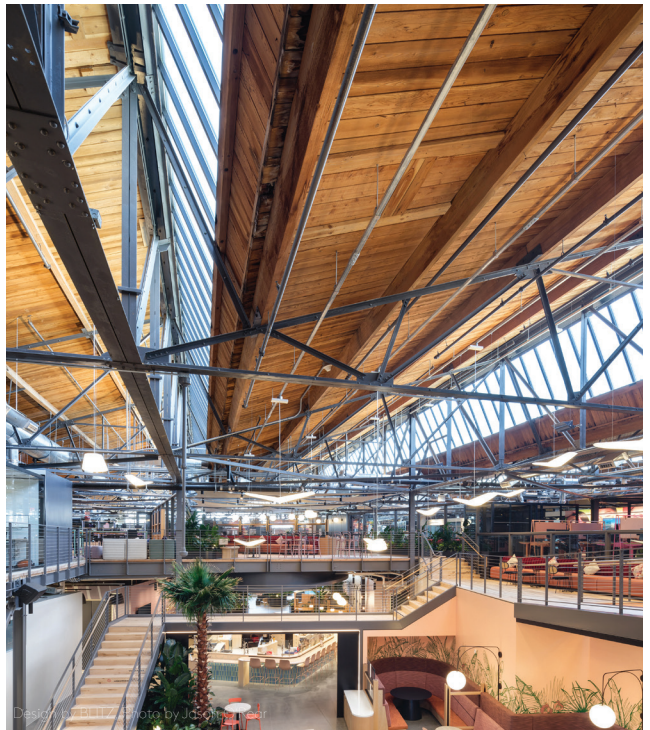
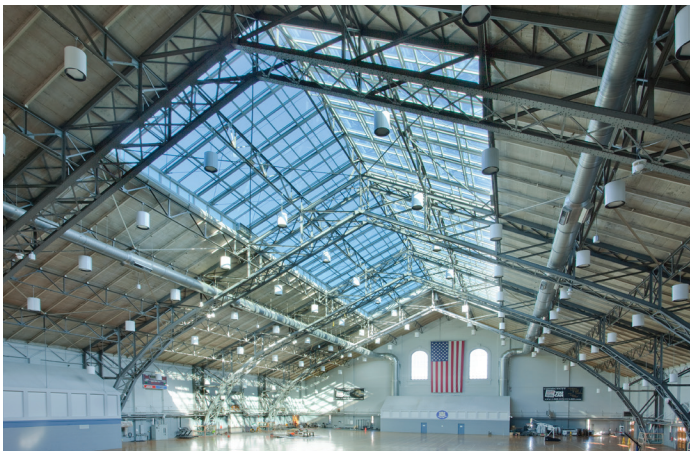
Performance Metric	Standard	Result	
Air Permeability	ASTM E 283	<0.03 cfm/ft² @ 1.57 psf	<0.05 cfm/ft² @ 6.27 psf
Design Loads	ASTM E 330	Engineered to project specific design loads at the required deflection criteria. Please contact us for additional details.	
Water Penetration	ASTM E 331	No water penetration at 15psf	
Fall Protection	AAMA 501.8	1-5/16" IGU w/0.60" PVB 40ft² - tested to 1,200 ft*lbs 1-1/16" IGU w/0.60" PVB 20ft² - tested to 600 ft*lb	



Thermal Performance Data

NFRC		Glazing Makeup						Performance			
CPD #	Exterior Glazing	Fill	Middle Layer Outside Glazing	Fill	Middle Layer Interior Glazing	Interlayer	Interior Glazing	U-factor	SHGC	VT	CR
KLA-M-10	6mm gray SB70 (#2)	1/2" Arg	6mm gray SB60 (#4)	1/2" Arg	6mm clear	.060PVB	6mm clear	0.22	0.17	0.32	76
	6mm gray SNX62/27 (#2)	1/2" Arg	6mm gray SN68 (#4)	1/2" Arg	6mm clear	.060PVB	6mm clear	0.22	0.17	0.3	76
	6mm gray VNE-63 (#2)	1/2" Arg	6mm gray VE1-2M (#4)	1/2" Arg	6mm clear	.060PVB	6mm clear	0.23	0.22	0.44	74
	6mm clear R100 (#4)	1/2" Arg			6mm clear	.060PVB	6mm clear	0.4	0.22	0.37	60
	6mm clear AG43 (#4)	1/2" Arg			6mm clear	.060PVB	6mm clear	0.41	0.28	0.38	59
	6mm clear VRE-46 (#4)	1/2" Arg			6mm clear	.060PVB	6mm clear	0.41	0.26	0.38	58
	6mm clear SB60 (#4)	1/2" Air			6mm clear	.060PVB	6mm clear	0.48	0.36	0.62	50
	6mm clear SN68 (#4)	1/2" Air			6mm clear	.060PVB	6mm clear	0.48	0.34	0.6	50
	6mm clear VE1-2M (#4)	1/2" Air			6mm clear	.060PVB	6mm clear	0.48	0.35	0.63	50
	6mm clear SB60 (#4)	1/2" Arg			6mm clear	.060PVB arctic snow	6mm clear	0.4	0.35	0.45	60
	6mm clear SN68 (#4)	1/2" Arg			6mm clear	.060PVB arctic snow	6mm clear	0.4	0.33	0.43	60
	6mm clear VE1-2M (#4)	1/2" Arg			6mm clear	.060PVB arctic snow	6mm clear	0.41	0.34	0.45	58

For access to the NFRC site and all current KlearSky™ listings, including additional glazing configurations, use the QR code at right.



Color + Finish Options

Glass Glazing Options

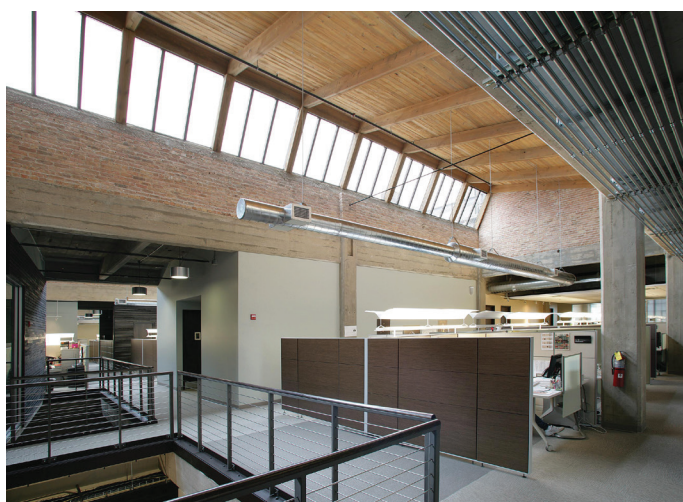
We offer an extensive selection of glazing options and color finishes to suit virtually any design vision or performance requirement. Whether you're looking for high-performance coatings to enhance energy efficiency, or decorative glass and custom tints to create visual impact, we will work with you to meet both aesthetic and functional goals.

Contact us to explore the full range of options, discuss your specific needs, and confirm availability based on your project timeline.

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. Anodized options are also available.

Please review our Finish Color Options brochure for additional details.



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