Light + Air
North America

QuadSpan™
Product Data Sheet

Formerly Quadwall® skylights

Polycarbonate Skylights + Roof Assemblies

Kingspan®
Light+Air

Product Specifications

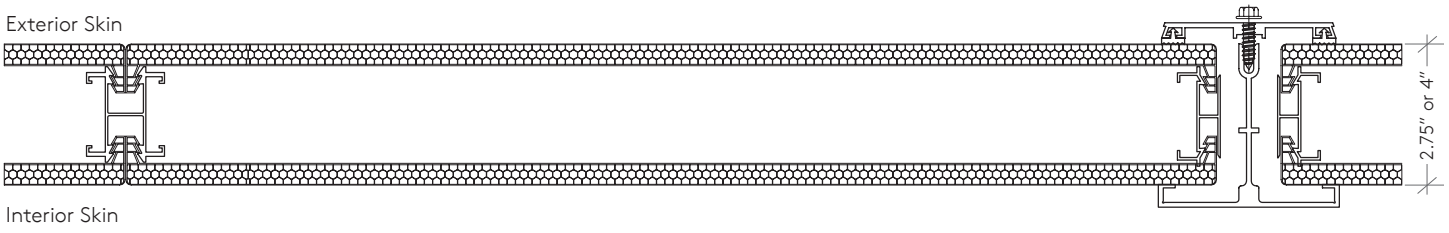
QuadSpan™ (formerly Quadwall®) two panel translucent skylights diffuse sunlight, provide excellent thermal performance, and are designed for easy installation. Glazing panels are pre-assembled and designed to span long distances, allowing for a clean aesthetic, and they feature Removable Skin Technology (RST) that allows the interior or exterior glazing to be replaced independently. QuadSpan™ systems are available in a wide variety of configurations, including vaults, single slopes, pyramids, polygons, ridges and curved systems, as well as fully custom designs.

Product Specifications

Thickness:	2.75 in (70 mm) & 4 in (102 mm)
Width:	2 ft nominal (23 5/8 in) (600 mm)
Length:	Up to 44 ft long
Panel Weight:	1.5-2 lbs/ft²
Technology:	Removable Skin Technology (RST) - Allows for the removal of the exterior panel while the interior panel remains in place
Panel Joint:	Structural member, mechanically interlocking, sealed joint
Exterior Skin:	10 mm Nano-Cell® polycarbonate translucent panel
Interior Skin:	8 mm Nano-Cell® polycarbonate translucent panel
Color Options:	Standard - Clear, white, ice white, blue, green, bronze, gray
	Note: all colors are available with a matte finish upon request - consult for other available color options
Bi-Color System:	Color selected for the exterior skin may be different from the color selected for the interior skin

Flush Look

Panelized with Mullions



Testing/Performance

Test Description	Test Procedure	Results & Comments
Code Compliance, IBC	ASTM D635, D1929, D2843, E84 per ESR-4745	CC1
Uniform Load Structural / Spans	ASTM E330	Up to 110 psf. Consult KLA for job specific span capabilities†
High Velocity Hurricane Zone (HVHZ)	TAS 201/202/203	Missile Impact Level D, Wind Zone 4, Up to 110 psf
Concentrated Load 1 sqf Area		No damage - 800 lbs
Water Penetration	ASTM E331	Pass - 15 psf
Air Infiltration/Exfiltration	ASTM E283	<0.3CFM/ft^2 at 6.24 psf
U-Factor**	NFRC 100	U-Factor: 0.19 to 0.32 (4-inch panel)
Solar Heat Gain Coefficient (SHGC)**	NFRC 201	SHGC: 0.19 to 0.38 (4-inch panel)
Visible Transmittance (VT)**	NFRC 202	VT: 0.10 to 0.35 (4-inch panel)
Roof Assembly Classification	ASTM E108	Class C
Sound Transmission Loss - STC	ASTM E90 / E1332	STC: 25-32

† Spanning capabilities are dependent on project specific design loads, which are determined based on several different factors, including location on the building, height above ground, wind speed, etc.

** Consult KLA for job specific span capabilities at higher loads*

*** Go to https://search.nfrc.org/search/searchdefault.aspx for complete list of Kingspan Light + Air NFRC listed products*

Kingspan Light + Air

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

Notes

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Kingspan® Light + Air