

U-Lite

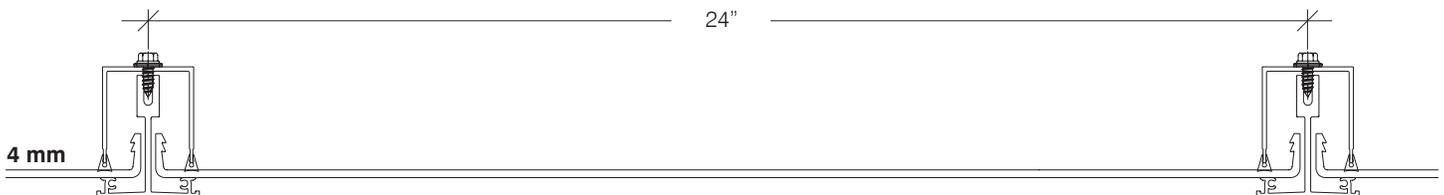
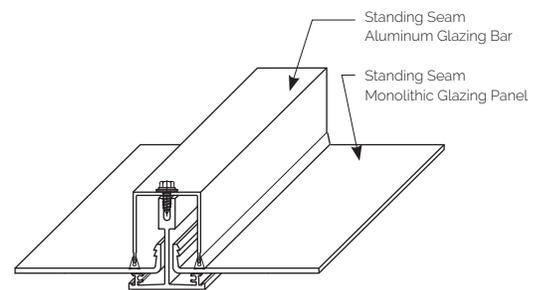
Product Data Sheet

Monolithic Standing Seam Panel For Low Slope Canopy Applications



Product Specifications

Glazing	U-Lite monolithic polycarbonate
Thickness:	4 mm
Panel Width:	2 ft nominal (23 5/8 in) (600 mm)
Length:	Up to 19 1/2 ft long
Panel Weight:	0.98 lbs/ft ²
Panel Joint:	Mechanically standing seam connection
Color Options:	Recommended - white, ice white, refl. gray Also available - blue, green, bronze, clear Note: consult for other available color options



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An Economical Alternative to Glass Canopies

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 are often cost prohibitive and require a more complicated installation. The simplicity of the U-Lite system and the lightweight nature of the materials enable the system to be installed quickly and with ease. The glazing material is inherently flexible and will not shatter upon high impact. The extreme durability of the U-Lite glazing panel helps to ensure the longevity of the system, curbing future costs.



Flexible design options to enhance your canopy design

- The system is designed without a perimeter frame, resulting in an exposed “floating” edge that gives the system a sleek, contemporary look; optional enclosed edge is available
- Glazing panels come in a wide range of colors and both translucent and transparent glazing options are available – many of which provide a similar appearance to glass
- Can accommodate both standard or flared end designs

Test Description	Test Procedure	Results & Comments
Code Compliance, IBC	ICC -ES report ESR-1253	Complies as specifically detailed in the ESR-1253 report
Uniform Load Structural / Span	ASTM E330	*Consult KLA for job specific span capabilities
Cyclic Test	ASTM E1886	Pass- 150 psf, Wind Zone 4
Large Missile Impact	ASTM E1996/E 1886	Pass - Missile Impact Level D, Wind Zone 4
	TAS 201	Pass - Missile Impact Level D, 360 lbf-ft
High Velocity Hurricane Zone (HVHZ)	TAS 201, 202, 203	FL# 20323.1 - Approved for design load of +/-150 psf. Higher loads or larger spans are available. *Consult KLA for job specific span capabilities
Concentrated Load 3" Diameter	ASTM E661	No Damage, 400 lbf load
Concentrated Load 1 sqf Area	(OSHA) 29 CFR Section 1910.23(e)(8)	No Damage 600 lbf load
	California Code of Regulation Title 8, Section 1632 (b)(3)	No Damage 600 lbf load
	California Code of Regulation Title 8, Section 3212(b)	No Damage 600 lbf load
Flammability	ASTM D1929, D2843, D635	Approved light transmitting plastic with CC1 Rating
Interior Flame Spread	ASTM E84	Class A Rating
Weathering - Light Transmission	ASTM D1003	Shall not decrease more than 6% after 10 years

*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.

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