

Solatube International, Inc. Brighten Up® Series 160 DS (10 in./250 mm Daylighting System) and 290 DS (14 in./350 mm Daylighting System) Models are ENERGY STAR and NFRC Certified throughout the United States.



DIFFUSER OPTION	SHGC	U-FACTOR
OptiView®	0.33	0.43
Vusion®	0.35	0.43

U-Factor: U-factor is a measure of the heat loss from the interior to the outside through the skylight. The lower the value the lower the rate of heat flow. Heating and cooling bills are reduced when less interior conditioned air flows to the outside. English units are given in BTU/hr-ft²-°F. Metric units are given in W/m²-°K.

Solar Heat Gain Coefficient (SHGC): SHGC defines the fraction of solar radiation admitted through the skylight and measures the ability to block heat caused by sunlight. The lower the SHGC, the more it reduces air conditioning costs.

Skylights

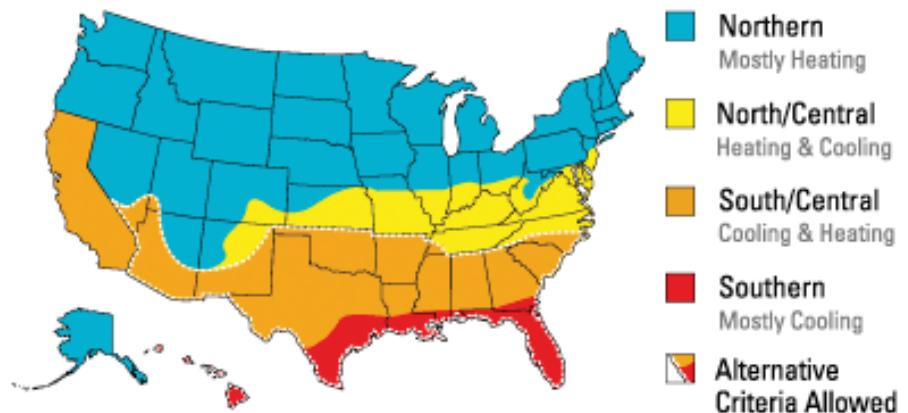
Climate Zone	U-Factor ¹		SHGC ²
	2001 NFRC rated at 20° ³	RES97 rated at 90° ⁴	
Northern	≤ 0.60	≤ 0.45	Any
North/Central	≤ 0.60	≤ 0.45	≤ 0.40
South/Central	≤ 0.60	≤ 0.45	≤ 0.40
Southern	≤ 0.75	≤ 0.75	≤ 0.40

¹ Btu/h.ft².°F

² Fraction of incident solar radiation.

³ U-Factor qualification criteria based on 2001 NFRC simulation and certification procedures that rate skylights at a 20-degree angle. Although reported U-Factor is higher than RES97 rated products, energy performance at the ENERGY STAR minimum qualifying level is equivalent.

⁴ NFRC certification using the 1997 NFRC procedures for residential windows (RES 97) that rated skylights at a 90-degree angle. Skylights rated under this procedure may be present in the marketplace until March 31, 2008. NFRC labels for products using this procedure state: "RES97 rated at 90 degrees."



Note: RES97 does not apply to Solatube products.

For more information, please refer to http://www.energystar.gov/index.cfm?c=windows_doors.pr_crit_windows#map