

This is a Self-Declaration of product thermal performance in accordance with the United States Environmental Protection Agency (EPA) Energy Program's guidelines and the National Fenestration Rating Council (NFRC) test protocols.

Solatube International, Inc. is a registered Energy Star Partner for its Tubular Daylighting Devices. Solatube International has made the decision to Self-Declare thermal performance values for its Solatube HSE Performance Series Skylights. Please note, these values and ratings will not be listed on the NFRC's Certified Product Directory and will not be part of the Energy Star program. Any reference to NFRC and Energy Star in this document are intended as reference only.

All testing for the Solatube HSE Performance Series Skylights was conducted at an American Standards Institute (ANSI) accredited test lab. All testing was conducted in accordance with the NFRC 100, NFRC 102, NFRC 200, NFRC 500 test procedures.

NFRC Test Definitions:

NFRC 100—Procedure for Determining Fenestration Product U-Factor

NFRC 102—Procedure for Measuring the Steady-State Thermal Transmittance of Fenestration Systems.

NFRC 200—Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence

NFRC 500—Procedure for Determining Fenestration Product Condensation Resistance Values

**Declared Performance:**

Solatube Premium Fixed HSE Clear Glass Performance Skylight		Solatube Solar Powered Fresh Breeze HSE Clear Glass Performance Skylight	
ENERGY PERFORMANCE RATINGS		ENERGY PERFORMANCE RATINGS	
U-Factor <b>0.48</b>	Solar Heat Gain Coefficient <b>0.24</b>	U-Factor <b>0.50</b>	Solar Heat Gain Coefficient <b>0.25</b>
Visible Transmittance <b>0.45</b>	Air Leakage <b>≤0.3</b> <small>In accordance with ASTM E283-04(2012)</small>	Visible Transmittance <b>0.48</b>	Air Leakage <b>≤0.3</b> <small>In accordance with ASTM E283-04(2012)</small>
Condensation Resistance <b>61</b>	—	Condensation Resistance <b>64</b>	—

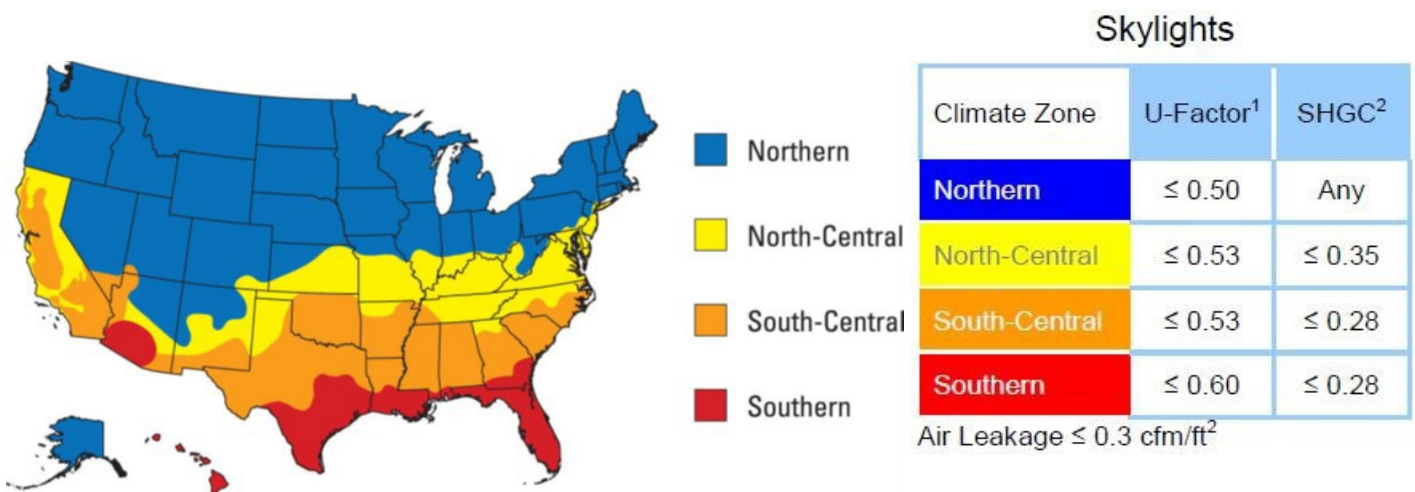
All data referenced from Intertek test report number K6438.001-116-45 and K6436.01-116-45 dated 3/10/2020.

Solatube Premium Fixed HSE SoftLight Glass Performance Skylight		Solatube Solar Powered Fresh Breeze HSE SoftLight Glass Performance Skylight	
ENERGY PERFORMANCE RATINGS		ENERGY PERFORMANCE RATINGS	
U-Factor <b>0.48</b>	Solar Heat Gain Coefficient <b>0.22</b>	U-Factor <b>0.50</b>	Solar Heat Gain Coefficient <b>0.24</b>
Visible Transmittance <b>0.33</b>	Air Leakage <b>≤0.3</b> <small>In accordance with ASTM E283-04(2012)</small>	Visible Transmittance <b>0.35</b>	Air Leakage <b>≤0.3</b> <small>In accordance with ASTM E283-04(2012)</small>
Condensation Resistance <b>59</b>	—	Condensation Resistance <b>57</b>	—

All data referenced from Intertek test report number K6438.02-116-45 and K6436.02-116-45 dated 4/11/2022.

The Energy Star qualification criteria for residential skylights listed on the Energy Star website are listed per climate zone in the United States.

All Solatube HSE Performance Skylights meet the criteria for all climate zones in the United States.



**REFERENCES:**

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- All references to Energy Star were unitilized from the Energy Star website [www.energystar.gov](http://www.energystar.gov)
  - NFRC references were utilized from the National Fenestration Rating Council's website [www.nfrc.org](http://www.nfrc.org)
  - Intertek is an ANSI accredited total quality assurance, inspection, product testing and certification provider.
  - ANSI references were utilized from the Americanm National Standards Institute website [www.ansi.org](http://www.ansi.org)
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Signed on behalf of Solatube International, Inc.



Todd Anderson, Product Specialist  
Vista, CA. 92081. USA - November 30, 2022