



Solatube HSE Skylight Series

Solatube Premium Fixed Skylight

Solatube Fresh Breeze Skylight

Product Manual



Impact Resistance

Hail tested per FM 4473

Low-E Glass

Blocks UV Rays

Rain Sensor

Automatically closes if rain is detected

Solar Powered

Operable design lets fresh air in

Health



- Natural light and fresh air
- Optimal glare reduction
- Healthier living spaces

Safety



- Laminated safety glass
- Blocks harmful UV rays
- Impact protection and security

Energy Efficiency



- Maximized thermal performance
- Minimal heat and cold transfer
- Insulated dual pane glass

Application

A skylight provides abundant natural daylight, promotes air circulation, and contributes to overall energy efficiency. They are suitable for both new construction and retrofit applications. Often installed in residential properties and smaller commercial spaces, skylights help create brighter, more comfortable indoor environments while reducing the need for artificial lighting.

Range of application

- Residential low and steep slope roofs
 - Applications include residential kitchens, baths, hallways, living rooms, bedrooms and smaller light commercial spaces
 - New construction and retrofits
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Material

- Tempered/laminated safety glass for Hail/Impact Resistance*
- Powder coated high quality aluminum that prevents surface corrosion

*Class 4 Hail/Impact Resistance per FM 4473. Survives 2" impact from freezer ice balls at an estimated speed of 32.7 m/s. This applies to all standard sizes up to 4' x 4'

Advantages and Characteristics

- High-performance dual pane glass for maximum thermal performance
 - Designed for maximum sound absorption
 - Integrated thermal barriers minimize heat and cold transfer
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- Low-E glass blocks 99% of harmful UV light, reduces solar heat gain, and minimizes glare
- The solar-powered operable design provides ventilation for natural cooling and improved indoor air quality
- The solar-powered operable design features a built-in rain sensor that automatically closes the skylight when rain is detected
- Remote control for convenient operation of the solar-powered, operable model only
- Optional: The Softlight glass diffuses daylight with maximum thermal performance
- Optional: The Skylight Shade is made from pleated, non-woven polyester fabric, allowing you to easily control the amount of natural light entering the space.
- Optional: The Skylight Shade Extension Pole features a telescoping design and extends up to 16 feet for added reach.

Product Selection



Solar-Powered Fresh Breeze
Skylights with Clear Glass



Premium Fixed Skylights
with Clear Glass



Solar-Powered Fresh Breeze
Skylights with Softlight Glass



Premium Fixed Skylights
with Softlight Glass

Warranty

For all products purchased or delivered hereunder, Solatube® International, Inc. warrants they are free from defects of workmanship and/or material for a period of time from the date of purchase. Insulated glass warranted against condensation inside the glass shall be covered for a period of twenty (20) years. All metal frame components, all PVC components, hinges, shall be covered for a period of ten (10) years. All solar motor assembly components shall be covered for a period of five (5) years.

Please see warranty document for more details.

<https://solatube.com/commercial/technical-resources>

Approvals

For a complete list of product approvals and certifications, visit:

<https://solatube.com/technical-resources/product-codes-and-approvals/>

Declared Performance

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

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

Declared Performance

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

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



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