

FEATURE	BENEFITS
10 Year Warranty	<ul style="list-style-type: none"> <li>Peace of mind as the whole product is warranted.</li> </ul>
Meets Australian Building Code	<ul style="list-style-type: none"> <li>Thermal performances exceed standards as established in the Australian Building code.</li> </ul>
Energy-Star Rated in United States	<ul style="list-style-type: none"> <li>Patented Cool Tube technology draws heat away from the ceiling fixture.</li> <li>Energy-Star Rated - minimal heat gain during summer and heat loss during winter.</li> </ul>
Leak Proof Guarantee	<ul style="list-style-type: none"> <li>Peace of mind that the System will not leak.</li> </ul>
Highest Performance Guarantee	<ul style="list-style-type: none"> <li>Unlike any other product on the market, the Solatube™ Daylighting System comes with a highest performance guarantee. See website for details.</li> </ul>
Smaller Roof Penetration	<ul style="list-style-type: none"> <li>For increased light output.</li> </ul>
Better than a Traditional Skylight	<ul style="list-style-type: none"> <li>Traditional skylights have little control over glare, hot spots, heat gain, heat loss and uniform illumination.</li> <li>Solatube™ Daylighting Systems are specifically designed to provide quality natural light, without glare or leaking and with minimal heat gain or loss through the roof</li> </ul>
Feel Good Factor	<ul style="list-style-type: none"> <li>The Solatube™ Daylighting System resembles a light fitting, but the natural light brought into the home is proven to make people feel better.</li> </ul>
Daylight Positively Influences Human Performance	<ul style="list-style-type: none"> <li>Improves student learning.</li> <li>Greater employee productivity.</li> <li>Improved employee attendance.</li> <li>Increases retail sales through improved article lighting.</li> </ul>

Model	Tube Size (diameter)	EDCS*	Light Coverage Area (residential)	Potential Tube Length
Solatube® 160 DS	250mm	1032cm <sup>2</sup>	14-19m <sup>2</sup>	6m+
Solatube® 290 DS	350mm	1871cm <sup>2</sup>	23-28m <sup>2</sup>	9m+

\*EDCS (Effective Daylight Capture Surface) represents the surface area of the dome that collects and redirects sunlight. For comparison, a clear dome with no lens (i.e. competitor product) on a typical 250mm tube system has an EDCS of 199.4 cm<sup>2</sup>, compared to Solatube™ Daylighting System 160DS 1032cm<sup>2</sup>.



# Solatube™ Daylighting System



**SOLATUBE®**  
Innovation in Daylighting™

AUSTRALIA: 13 16 19 [www.solatube.com.au](http://www.solatube.com.au)  
NEW ZEALAND: 0800 SOLATUBE (765 288) [www.solatube.co.nz](http://www.solatube.co.nz)

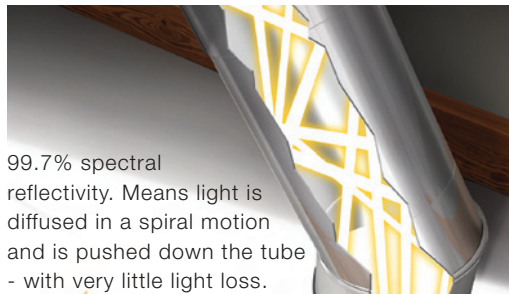
# Solatube™ Daylighting System

## Capture Zone

The Raybender® 3000 Technology along with the LightTracker™ Reflector within the dome will capture, harvest and push daylight down the System.

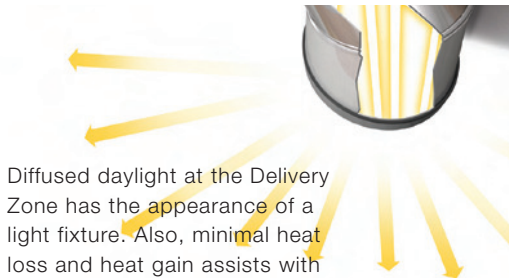


## Transfer Zone



99.7% spectral reflectivity. Means light is diffused in a spiral motion and is pushed down the tube - with very little light loss.

## Delivery Zone



Diffused daylight at the Delivery Zone has the appearance of a light fixture. Also, minimal heat loss and heat gain assists with earning the Energy Rating.

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Raybender® 3000 Technology Patented daylight capturing dome lens	<ul style="list-style-type: none"> <li>• Redirects low-angle sun.</li> <li>• Rejects overpowering summer midday sunlight.</li> <li>• Consistent daylighting throughout the day.</li> </ul>
LightTracker™ Reflector Patented in-dome reflector faces north	<ul style="list-style-type: none"> <li>• Redirects low-angle winter sunlight from early morning to late afternoon.</li> <li>• Increased light input for increased light output.</li> <li>• Intercepts daylighting that would otherwise pass through the dome.</li> <li>• Unsurpassed year-round performance.</li> </ul>
Effective Daylight Capture Surface (EDCS) Small roof penetration	<ul style="list-style-type: none"> <li>• The EDCS captures more daylight than any other product on the market.</li> <li>• The 160DS model has an effective daylight capturing surface of 1032cm<sup>2</sup>. 290DS = 1871cm<sup>2</sup>.</li> </ul>
Injection Moulded Dome	<ul style="list-style-type: none"> <li>• Impact resistant acrylic dome.</li> <li>• Will not craze or crack with time.</li> <li>• Hardwearing.</li> </ul>
Condensation Tract	<ul style="list-style-type: none"> <li>• Eliminate moisture build up within the system at its source.</li> </ul>
Designed to inhibit harmful UV rays	<ul style="list-style-type: none"> <li>• Blocks 100% UVB &amp; UVC rays and 95% of UVA rays, so your clothing and furnishings won't fade.</li> </ul>
Neoprene Seal	<ul style="list-style-type: none"> <li>• Reduces heat transfer between dome and tubing, and reduces condensation.</li> </ul>
Flashings	<ul style="list-style-type: none"> <li>• Leak proof design, BRANZ Appraised [No: 665].</li> <li>• One piece, seamless flashings to suit almost any roof type.</li> <li>• No lead content.</li> </ul>
Spectralight® Infinity Solid Aluminium Tubing	<ul style="list-style-type: none"> <li>• 99.7% Spectral reflectivity.</li> <li>• World's most reflective tubing.</li> <li>• Purest colour rendition possible, natural light. Refer Colour Rendering Index (CRI).</li> </ul>
Spectral Reflectivity vs. Total Reflectivity	<ul style="list-style-type: none"> <li>• Limited light loss - only 0.3% per light bounce rather than 3% light loss for 97% Total Reflectivity.</li> <li>• Light is diffusing and bouncing.</li> <li>• Long distance tube runs with limited light loss.</li> </ul>
90° and 30° bends	<ul style="list-style-type: none"> <li>• Put daylight where wanted as tube can be angled at any direction. No structural limitations.</li> </ul>
99.9% True Colour Rendition (CRI)	<ul style="list-style-type: none"> <li>• No colour shift of visible light spectrum from exterior to interior.</li> </ul>
Transfer light up to 15 metres	<ul style="list-style-type: none"> <li>• Light up lower level floor.</li> </ul>
Dual Lens Array Technology. Combines two lenses to provide complete daylighting customisation	<ul style="list-style-type: none"> <li>• The Diffuser Lens controls the light diffusion.</li> <li>• The Effect Lens alters the colour temperature and offers choices to soften or warm the light.</li> </ul>
Fresnel Lens	<ul style="list-style-type: none"> <li>• Optically designed for daylight diffusion.</li> </ul>
Daylight Dimmer™	<ul style="list-style-type: none"> <li>• Controllable daylighting at the flick of a switch - Infinitely variable.</li> </ul>
Rubber Seal on Diffuser	<ul style="list-style-type: none"> <li>• Eliminates air infiltration into the light shaft, minimising the rate of non-solar heat loss or gain.</li> </ul>
Light Add-on Kit	<ul style="list-style-type: none"> <li>• Night time light with the flick of a switch.</li> </ul>
Designer Options	<ul style="list-style-type: none"> <li>• Seamlessly blends in with other light fixtures on your ceiling.</li> </ul>
Vent Add-on kit (160 DS only)	<ul style="list-style-type: none"> <li>• Perfect for any moist room.</li> <li>• Extracts steam and odours.</li> </ul>