

WAREHOUSE / INDUSTRIAL



Solatube® Daylighting System

Sustainability &  
Increased Productivity  
with Natural Light

Sustainable Businesses: Environmentally • Economically • Socially



## Now you can control the daylight

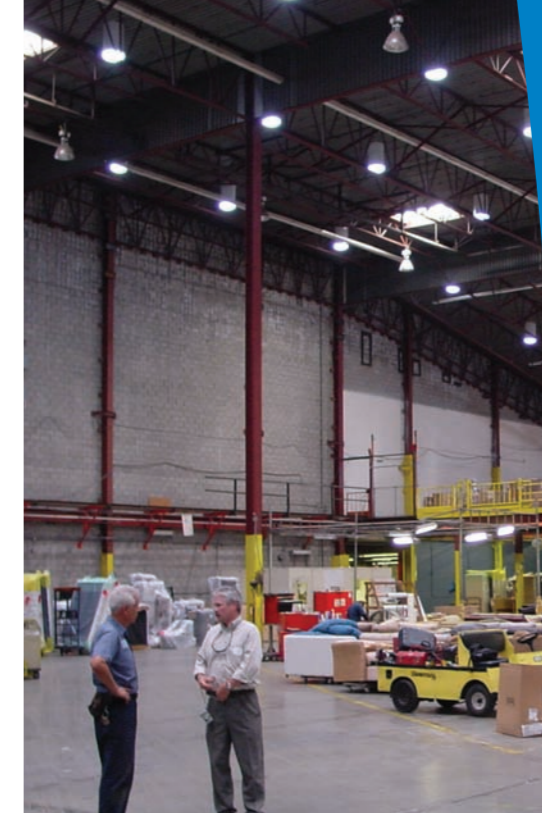
CREATE OPTIMAL WORK ENVIRONMENTS USING NATURAL LIGHT

Most businesses use artificial lighting all day long and electrical lighting costs generally represent more than 40% of annual utility costs. Excessive light may also create heat loading and, as a result, increase ventilation costs. Solatube's smart and energy efficient natural lighting uses only the renewable energy of the sun.

Solatube's Energy Star rated Tubular Daylighting Device (TDD) now addresses the three major challenges that are critical for any sustainable lighting design: Light control, Heat and Glare.

The Solatube Daylighting Experience can be controlled and optimised with options including Daylight dimmer, Inner shock dome and Security bars.

Solatube daylighting devices set performance standards as never seen before. Illumination consistency and energy efficiency are achieved through technological breakthroughs. Advanced optics are used to significantly improve the way the renewable energy of the sun is harnessed to daylight any commercial facility.



### Benefits of Solatube TDDs

- NFRC APPROVED - THE ONLY DAYLIGHTING SYSTEM IN AUSTRALIA THAT HAS BEEN TESTED AND CERTIFIED FOR ITS ENERGY EFFICIENCY
- THE BRIGHTEST, PUREST, NATURAL LIGHT AVAILABLE TODAY
- USES THE RENEWABLE ENERGY OF THE SUN
- CONTROLLABLE DAYLIGHT OUTPUT
- SEAMLESS, LEAK-PROOF FLASHINGS
- DAYLIGHT MULTIPLE FLOORS WITH LONG TUBE RUNS
- EASY TO RETROFIT
- ENERGY SAVING & SUSTAINABLE

## superior daylighting STATE-OF-THE-ART SHOULD NOT BE LIMITED TO THE WAREHOUSE FLOOR healthy and productive workplaces

### Case Study: Sorrento Electronics

Sorrento Electronics is a leader in the design, development, and manufacture of secure and highly reliable microprocessor/PC-based control and information handling systems. Solatube Daylighting Systems were used in the warehouse and manufacturing areas to provide better light for employees and to reduce utility costs.

**Products used:** 75 SolaMaster® 530mm Tubular Daylighting Devices (TDD's) with Prismatic Diffusers.

**Solution:** Bill Steed, Sorrento Electronic's Facility Manager, was able to daylight the entire 3,251sqm high-bay manufacturing, shipping, and warehouse areas with virtually no interruptions to the work going on in the facility. The Solatube TDD's were able to displace 51 High Pressure Sodium fixtures (468 Watts ea.) for an annual average of eight hours per day.

**Payback:** Based on the operating hours of the building, the Solatube Daylighting Systems, combined with a photocontrol system, provide a 69% reduction in annual electric lighting energy consumption. The simple payback for the entire project was calculated to be 3.2 years.



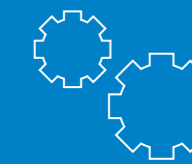
### Go Green with the Green Building Fund

Part of the Government's Clean Business Initiative, the Green Building Fund aims to reduce the impact of Australia's built environment on green house gas emissions by reducing the energy consumed in the operation of commercial office buildings. Grants ranging from \$50,000 to \$500,000 are available to owners or part owners of commercial buildings as well as non tax-exempt body corporates for the retro-fitting and retro-commissioning of these buildings with a range of energy efficient measures including area lighting for up to 50% of project costs.

Our technical experts provide a free assessment of your facility, determine the light output that can be expected and deliver a personalised design. They will look after the enquiry from the planning stage to the installation.

For further information about the *Green Building Fund*, visit the Ausindustry website at [www.ausindustry.gov.au](http://www.ausindustry.gov.au). Click on 'Ausindustry products', and follow the links to *Green Building Fund*. Alternatively, contact the Ausindustry hotline 13 28 46 or by email at [hotline@ausindustry.gov.au](mailto:hotline@ausindustry.gov.au)

Free Assessment & Personalised Lighting Design



### REDUCED OPERATING COSTS

Lighting is one of the biggest single consumers of electrical energy in commercial buildings and accounts for more than 40% of annual utility costs. Using Solatube's highly reflective daylighting devices can reduce energy consumption by as much as 20% and more.



### A HEALTHIER & SAFER INDOOR ENVIRONMENT

A study by the U.S. department of Energy found that employees who sit near windows have 20% fewer symptoms common to worker in "sick buildings." The use of daylight in commercial buildings also greatly reduces the risk of business disruption during power outages and increases public health and safety.



### GREATER STAFF RETENTION

Daylit facilities maintain the most productive and healthful workplace for employees and can generate productivity gains of 6 - 16% including decreased absenteeism and improved quality of work. Happy employees equal better customer service.



## Codes and Approvals

The Solatube Daylighting System is the only Natural lighting system available in Australia that is NFRC approved, tested and certified by international approval agencies for its effectiveness and guaranteed energy performance. Test results include U-Value metrics and Solar heat Gain Coefficients (SHGC).

Solatube Daylighting systems comply with the latest government regulations for green building and can help a project to attain points towards Green Star certification.

Rest Assured that the Solatube Daylighting System can be used in your project without any hassles.

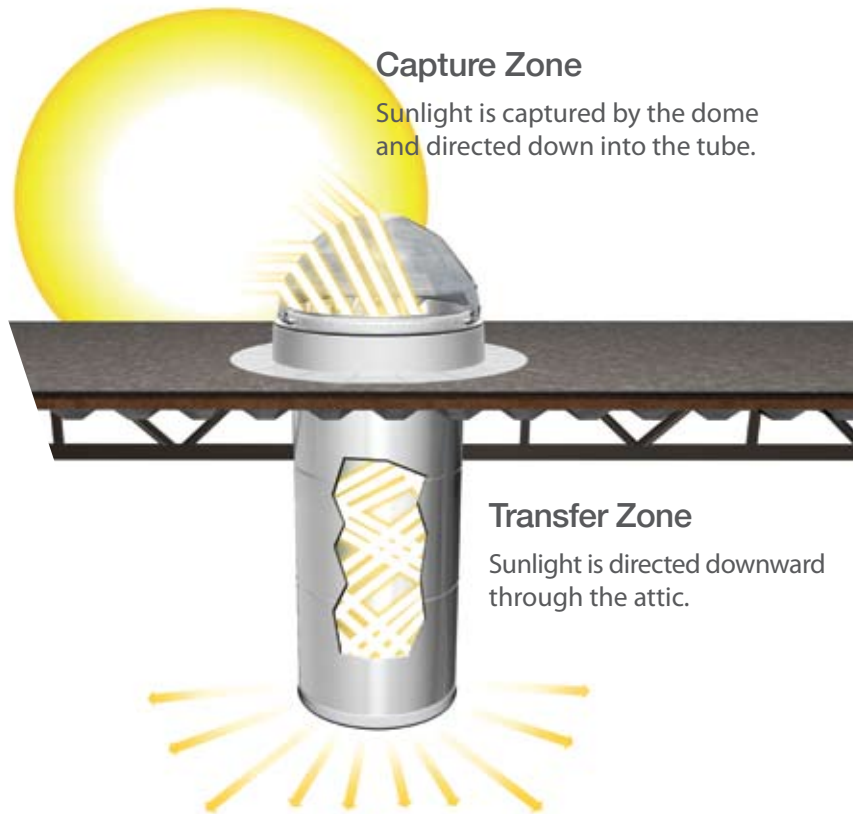


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Year Warranty



green building council australia  
MEMBER



### Capture Zone

Sunlight is captured by the dome and directed down into the tube.

### Transfer Zone

Sunlight is directed downward through the attic.

### Delivery Zone

Sunlight is distributed throughout the interior space.



Call the Daylighting experts today and turn your business "green".

Ph: 13 16 19 | email: [info@solatube.com.au](mailto:info@solatube.com.au)



**SOLATUBE**  
Innovation in Daylighting™

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