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Technical Resources

Visit www.solatube.com/technicalresources and get the tools you need to specify Solatube® Products into your next project:

- Building Information Models (BIM) **NEW!**
- CAD Drawings
- Product Cut Sheets
- Architectural Specifications
- Photometric IES
- Spacing Criteria
- Cut Sheets
- Installation Instructions
- Codes and Approvals
- Case Studies
- Daylighting Facts and Figures

LEED® Resources

Call Solatube International, Inc. or email commsales@solatube.com to request a copy of the Solatube LEED® Application Guide for application and documentation details.

U.S. Green Building Council

www.usgbc.org

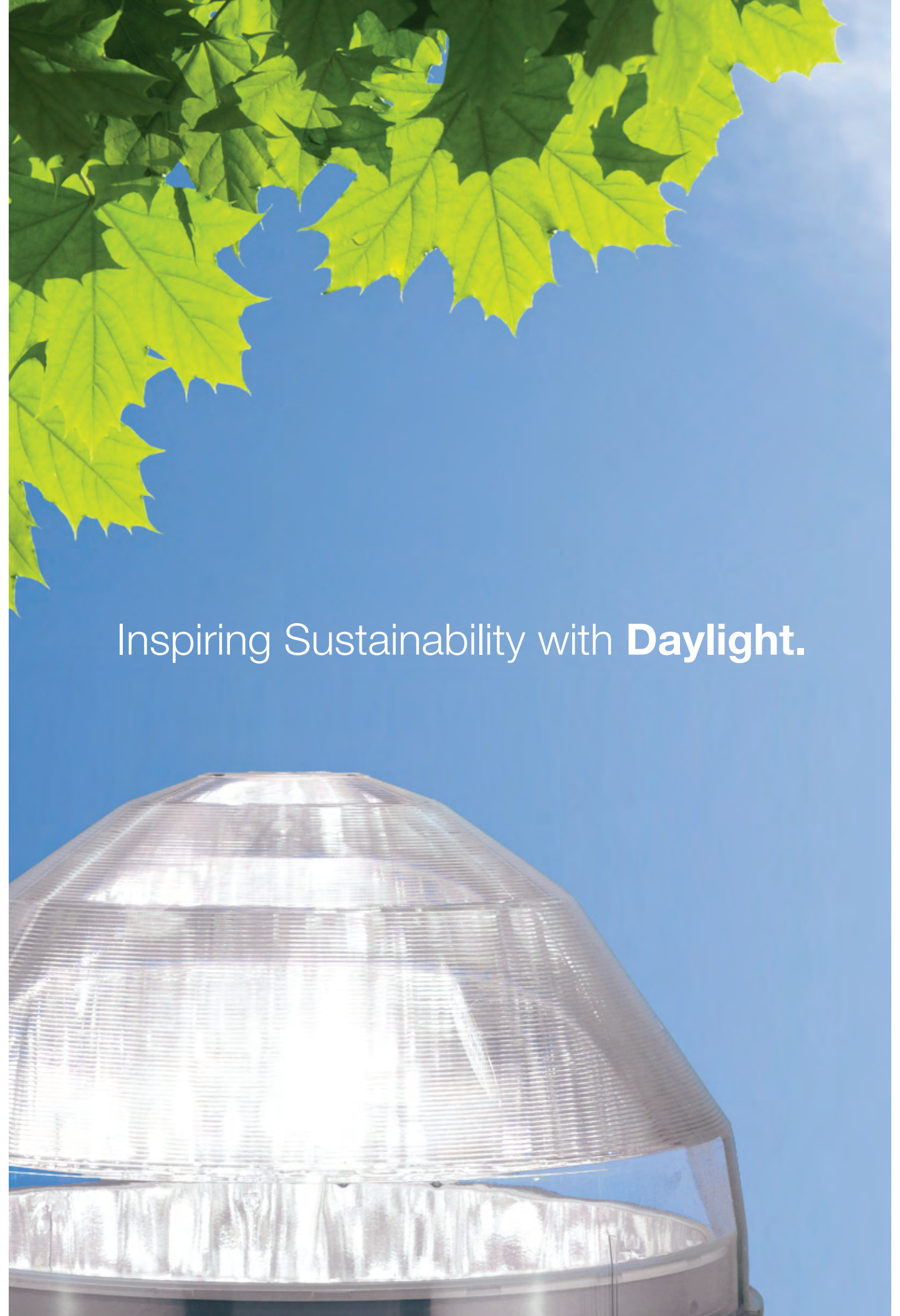
The U.S. Green Building Council (USGBC) is the nation's foremost coalition of leaders from every sector of the building industry working to promote buildings that are environmentally responsible, profitable and healthy places to live and work.



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Inspiring Sustainability with **Daylight.**





Touted as the “World’s First Green Olympics,” architects were challenged with designing facilities to stringent environmental standards. This had to be balanced with creating competitive sports facilities that satisfied the needs of both athletes and spectators. 148 Solatube Daylighting Systems were used and daylight was effectively transmitted over 26 feet so that the architects were able to meet their aesthetic, functional, and environmental goals.

Sustained Innovation

Sustainable design and development has inspired design professionals, architects, and builders to stretch their imagination and create high performance spaces that not only reduce environmental impact, but also enhance the lives of the occupants. Adding natural daylight to every project has become critical to the success of many of the world’s greatest sustainable design achievements. From the beginning, Solatube® International has revolutionized the daylighting industry by introducing innovative breakthrough technologies that allow you to bring daylight where you never thought possible.

Today, Solatube® Daylighting Systems are recognized for their ability to help design professionals achieve their LEED® and ENERGY STAR® accreditation goals. Our latest innovations include vast improvements in illumination, consistency, and thermal performance without sacrificing lighting performance. This guide showcases only a small fraction of the projects that inspire us to continue to innovate our daylighting technology. Truth is, we can’t wait to see how you use daylighting to build a brighter tomorrow.



LEED® with Daylighting Tubular Daylighting Devices 08_62_23

Solatube® Daylighting Systems offer an innovative way to be sustainable, by earning a LEED certification through USGBC. In fact, because of the straightforward impact a Solatube Daylighting System has on sustainable design, using our products can qualify buildings to earn LEED points in a variety of categories, including Indoor Environmental Quality, Energy and Atmosphere and Innovation in Design.

Here is a checklist of the credits you should discuss with a certified LEED professional when planning Solatube® Daylighting Systems in your next project.

Energy & Atmosphere

- Prereq. 2 Minimum Energy Performance
- Credit 1 Optimize Energy Performance
 - 10.5% New Buildings or 3.5% Existing Building Renovations
 - 14% New Buildings or 7% Existing Building Renovations
 - 17.5% New Buildings or 10.5% Existing Building Renovations
 - 21% New Buildings or 14% Existing Building Renovations
 - 24.5% New Buildings or 17.5% Existing Building Renovations
 - 28% New Buildings or 21% Existing Building Renovations
 - 31.5% New Buildings or 24.5% Existing Building Renovations
 - 35% New Buildings or 28% Existing Building Renovations
 - 38.5% New Buildings or 31.5% Existing Building Renovations
 - 42% New Buildings or 35% Existing Building Renovations

Materials & Resources

- Credit 5.1 Regional Materials, 20% Extracted, Processed & Manufactured Regionally (LEED 2.1 Only)

Indoor Environmental Quality

- Credit 6.1 Controllability of Systems, Lighting
- Credit 6.2 Controllability of Systems, Thermal Comfort
- Credit 8.1 Daylight & Views, Daylight 75% of Spaces

Innovation in Design

- Credit 1.1 Innovation in Design: Provide Specific Title
- Credit 1.2 Innovation in Design: Provide Specific Title

* Available on the 160 DS, 290 DS, and 750 DS (Closed Ceiling Configuration Only)



Subway
Kissimmee, FL



REI
Boulder, CO



Lakeville Liquors Galaxie
Lakeville, MN



Kinard Jr. High
Fort Collins, CO



El Monte Sagrado Hotel
Taos, NM

© Sargart Design Associates, Inc.



Caldwell Toyota
Conway, AR

Subway
Kissimmee, FL

In collaboration with the USGBC, the first **Subway**® Eco-Store, which used Solatube® Daylighting Systems throughout the restaurant, opened in 2007. The company hopes that the design elements of the Eco-Store, which incorporate environmentally friendly business practices, will become a model for all future Subway branches.

Lakeville Liquors Galaxie
Lakeville, MN

Lakeville Liquors Galaxie incorporates extensive daylighting throughout its 11,000 square foot facility. The goal was to create a unique retail environment that was inviting to customers and employees while also minimizing environmental impact and energy costs. Solatube Daylighting Systems were used so extensively throughout the store that Tushie Montgomery Associates Architects anticipate years of considerable energy savings.

Kinard Jr. High
Fort Collins, CO

Kinard Junior High School has set the standard in sustainable school design. The architects at RB+B Architects have said it best, "We feel that Kinard Junior High School is an excellent example of providing students and staff with exceptional natural daylight classrooms and also reducing our energy use."

REI, the retailer known for selling outdoor gear, designed its prototype green store with the intent of bringing the outdoors in. Solatube Daylighting systems were creatively placed throughout the store to effectively use natural light to create a bright and open shopping experience and enhance the spacial structure with a more natural environment.

Toyota is among the leading automakers that are looking to integrate sustainability in everything from cars to showrooms. Black, Corley, Owens & Hughes Architecture used Solatube Daylighting Systems to set the stage for a whole new approach to lighting dealerships.

Eco-tourism has become one of the fastest growing markets in the travel industry. The **El Monte Sagrado Hotel** uses Solatube Daylighting Systems in their design to create a fashionable and environmentally conscious environment for its guests.

Every Project Has a Green Story

El Monte Sagrado Hotel
Taos, NM

REI
Boulder, CO

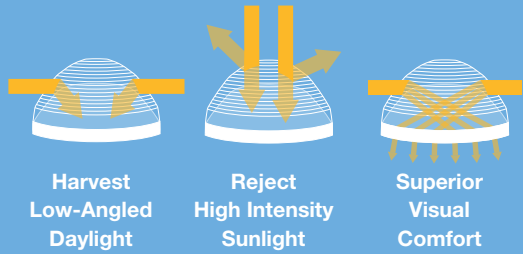
Caldwell Toyota
Conway, AR

The Innovative Approach to Daylighting

Solatube® Daylighting Systems are designed to provide superior performance for virtually every daylighting application. Imagine being able to take daylight where you never thought possible. How do we make this possible? Our breakthrough technology provides architects and engineers the ability to design daylight into every sustainable design project.

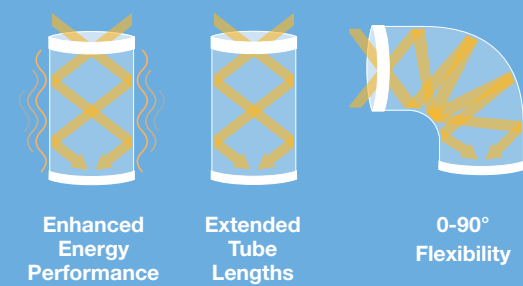
Capture

The optical dome features Raybender® 3000 Technology, a series of Fresnel lenses that harvest appropriate daylight based on solar position.



Transfer

Imagine having daylight in interior offices, or lower levels of a building, or in hallways and corridors. Solatube Spectralight® Infinity Tubing is redefining where daylighting can and should be used.



Deliver

Solatube Daylighting Systems provide the inspiration for some of the most dynamic daylighting applications today. Spectralight® Infinity Tubing delivers the purest color rendition possible and the diffuser options allow for limitless opportunities to diffuse daylight into any room.

