

LEED CERTIFICATION



eliosolar and LEED certification

(Leadership in Energy and Environmental Design)

Through the LEED® green building certification program, the U.S. Green Building Council (USGBC) is transforming the built environment. The green building movement offers an unprecedented opportunity to respond to the most important challenges of our time, including global climate change, dependence on non sustainable and expensive sources of energy, and threats to human health.

LEED certification program is the nationally and internationally accepted benchmark for the design, construction and operation of high performance green buildings. LEED gives building owners and operators the tools they need to have an immediate and measurable impact on their buildings' performance.

LEED promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.

LEED certifications are awarded according to the following scale:

Certified 40–49 points

Silver 50–59 points

Gold 60–79 points

Platinum 80 points and above

How eliosolar can contribute to LEED Rating Systems Points:

Based on LEED 2009 for New Construction and Major Renovations, **eliosolar** can contribute a significant number of points to your project (see page 2).

eliosolar technology is LEED qualifying in the following categories:

Category	Credit Description	LEED Requirements	Potential Points	eliosolar products
Energy and Atmosphere	Optimize Energy Performance - EAC1 To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.	Demonstrate a percentage improvement in the proposed building performance rating compared with the baseline building performance rating. Calculate the baseline building performance according to Appendix G of ANSI/ASHRAE/IESNA Standard 90.1-2007 (with errata but without addenda1) using a computer simulation model for the whole building project.	1-19	Aluminum Sunshades Facade Sun Shields Canopies Guardrails Fences
	On-site renewable energy - EAC2 To encourage and recognize increasing levels of on-site renewable energy self-supply to reduce environmental and economic impacts associated with fossil fuel energy use.	Use on-site renewable energy systems to offset building energy costs. Calculate project performance by expressing the energy produced by the renewable systems as a percentage of the building's annual energy cost.	1-7	Aluminum Sunshades Facade Sun Shields Canopies Guardrails Fences
Materials and Resources	Recycled Content - MRC4 To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.	Use materials with recycled content such that the sum of post consumer recycled content plus 1/2 of the preconsumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project.	1-2	Aluminum Sunshades Facade Sun Shields Canopies Guardrails Fences
	Regional Materials - MRC5 To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value.	1-2	Aluminum Sunshades Facade Sun Shields Canopies Guardrails Fences
Indoor Environmental Quality	Daylight and Views - IEQc8.1 To provide building occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.	Achieve a total daylighting zone that is at least 75% of all the regularly occupied spaces. Provide sunlight redirection and/or glare control devices to ensure daylight effectiveness.	1	Aluminum Sunshades Facade Sun Shields