



Ciralight's Contribution to LEED Certification

As a proud member of the U.S. Green Building Council, Ciralight is committed to offering superior quality commercial lighting solutions that help to improve the environment – inside and out.

The LEED® (Leadership in Energy and Environmental Design) Green Building Rating System™ is a voluntary, consensus-based program for developing high-performance, sustainable buildings. Based on well-founded scientific standards, LEED emphasizes state of the art strategies for sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.

LEED provides a complete framework for assessing building performance and meeting sustainability goals. Based on a system of prerequisites and credits, LEED projects earn points during the certification process and then are awarded one of the four certification levels: Certified, Silver, Gold, and Platinum.

Although USGBC does not certify, promote, or endorse products and services of individual companies, products and services do play a critical role in helping projects with credit achievement.

Use of daylighting techniques can be helpful in qualifying a building for LEED credits. Ciralight has been incorporated into many new and retrofit commercial building projects, including clothing manufacturer Patagonia's Service Center in Reno Nevada, which recently achieved LEED Gold certification.

The following is a brief overview of the potential credits that Ciralight can contribute to under LEED guidelines. Please see the Project Checklist for New Construction or the Project Checklist of Existing Buildings for complete details:

Energy and Atmosphere:

- **EA Credit 1: Optimize Energy Performance Credit: (1–10 points)** To achieve points for this credit, a project must demonstrate a percentage improvement in the proposed building performance rating compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2004 (without amendments), by a whole building project simulation using the Building Performance Rating Method in Appendix G of the Standard. ***Ciralight Relevance:*** *Due to its ability to channel daylight into buildings, Ciralight's Suntracker One may be able to provide desired light levels while maintaining a lower skylight to floor space ratio. This may be of significant value when considering the heat gain or loss often attributed to passive daylighting. In addition, since the Suntracker One incorporates thermal barriers to minimize heat gain/ heat loss and further, may provide sufficient lighting longer each day than other skylights, the use of the active system could significantly reduce the amount of electricity required to light a building.*

Materials & Resources: (new construction only)

- **MR Credit 5.1- 5.2: Regional Materials: 10%/ 20% Extracted, processed & Manufactured Regionally (1-2 points)** Credits are available for projects which 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% (based on cost) of the total materials value. If only a fraction of a product or material is extracted/ harvested/ recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value). ***Ciralight Relevance:*** *Relative to Ciralight's Suntracker One, this credit is relevant for projects within 500 miles of Texas zip codes 75074, 75002, 75042, Arizona zip code 85726 and California zip code 91761.*

Indoor Environment Quality:

- **EQ Credit 6.1: Controllability of Systems: Lighting: (1 point)** This credit gives a point for individual lighting controls for 90% (minimum) of the building occupants to enable adjustment to suit individual task needs and preferences and provides lighting system controllability for all shared multi-occupant spaces to enable lighting adjustment that meets the group needs and preferences. **Ciralight Relevance:** *Ciralight could be beneficial to achieving this credit if used in conjunction with our recommended lighting control system.*
- **EQ Credit 8.1: Daylight and Views: Daylight 75% of Spaces: (1 point)** In order to qualify for this point, the project must achieve a minimum daylight factor of 2% in a minimum of 75% of all regularly occupied areas. **Ciralight Relevance:** *When designing with some skylights, it may become necessary to increase the daylight factor in order to achieve the desired light levels. Due to its ability to channel daylight into buildings, Ciralight's Suntracker One may be able to provide desired light levels while maintaining a lower skylight to floor space ratio.*

Please Note: USGBC and/or the LEED program do not certify, promote, or endorse products and services of individual companies, products and services. LEED credits requirements cover the performance of materials in aggregate not the performance of individual products or brands. Therefore, products that meet the LEED performance criteria can only contribute toward earning points needed for certification; they cannot earn points individually. For more information on LEED, visit www.usgbc.org.