



LEED - 2009

tambient can help your project qualify for certification under the Leadership in Energy and Environmental Design (LEED) rating systems outlined by the U.S. Green Building Council. Based on the LEED V3 rating system for Green Interior Design and Construction, the contributions shown here may apply. Similar contributions may apply to the rating systems for other building types and projects. Regional credits may also apply. To learn more, contact us directly or visit the U.S. Green Building Council at www.usgbc.org.

LEED V3 for Green Interior Design and Construction

<p>Sustainable Sites ■ Credit 1, Option 2 ■ Path 6, Option 1 (1 point)</p>	<p>Intent: To reduce energy consumption with controlled systems and sensors. Requirement: All nonemergency interior lighting fixtures must be automatically controlled and programmed to turn off or have their input power reduced by at least 50% following regular business hours. Controls may be automatic sweep timers, occupancy sensors, or programmed master lighting control panels. Manual or occupancy-based override capabilities that enable lights to be turned on for after-hours use should be included in the design.</p>	<p>tambient Contribution: tambient can provide occupancy response using Enocean wireless technology.</p>
<p>Energy and Atmosphere Credit 1.1 Optimize Energy Performance - Lighting Power (1-5 points)</p>	<p>Intent: To achieve increasing levels of energy conservation beyond the referenced standard to reduce environmental and economic impacts associated with excessive energy use. Requirement: Reduce connected lighting power density below that allowed by ANSI/ASHRAE/IESNA Standard 90.1-2007 (or California Title 24-2005 Part 6) to one of the following levels below the standard: ■ 15% below (1 point) ■ 30% below (4 points) ■ 20% below (2 points) ■ 35% below (5 points) ■ 25% below (3 points) Exemplary performance point by reducing the light power density 40% or more below the standard.</p>	<p>tambient Contribution: Workstation integrated task ambient luminaires can reduce lighting power density in office spaces to 0.6 watts/sf (40% below the standard).</p>
<p>Energy and Atmosphere Credit 1.2 Optimize Energy Performance - Lighting Controls (1-3 points)</p>	<p>Intent: To achieve increasing levels of energy conservation beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use. Requirements: Design the project to include one or more of the following independent strategies: ■ Install daylight responsive controls in all regularly occupied daylight spaces within 15 feet of windows and under skylights. (1 point) ■ Install daylight responsive controls for 50% or more of the connected lighting load and demonstrate that 50% of the connected lighting load is daylight responsive. (1 point) ■ Install occupancy sensors for 75% of the connected lighting load. (1 point) Exemplary performance point can be achieved by implementing daylight responsive controls for 75% of the connected lighting load or by installing occupancy-responsive controls for 95% of the connected lighting load.</p>	<p>tambient Contribution: tambient offers luminaires with integral dimming ballasts and connectors for daylight harvesting systems. tambient can also provide stand-alone daylight and occupancy response using Enocean wireless technology.</p>
<p>Material Reuse Credit 3.2 Furniture and Furnishings (1 point)</p>	<p>Intent: To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources. Requirement: Use salvaged, refurbished or used furniture and furnishings for 30% of the total furniture and furnishing budget. Innovation in Design credit (1) for Exemplary Performance can be achieved by using at least 60% salvaged, refurbished, or reused furniture and furnishings.</p>	<p>tambient Contribution: Furniture integrated task/ambient lighting falls within CSI Masterformat DIV.12 parameters, and can be used in this equation.</p> <p style="text-align: right;"><i>continued...</i></p>



LEED V3 for Green Interior Design and Construction *continued*

<p>Indoor Environmental Quality Credit 6.1 Controllability of Systems – Lighting (1 point)</p>	<p>Intent: To provide a high level of lighting system control for individual occupants or groups in multi-occupant spaces (e.g., classrooms and conference areas), and promote their productivity, comfort and well-being.</p> <p>Requirements:</p> <ul style="list-style-type: none"> ■ Provide individual lighting controls for 90% (minimum) of the tenant space occupants, enabling adjustments to suit individual task needs and preferences. ■ Provide lighting system controls for all shared multi-occupant spaces to enable adjustments that meet group needs and preferences. 	<p>tambient Contribution: tambient offers optional personal fine-tune dimming for individual control.</p>
<p>Regional Priority Credit 1 (1-4 points)</p>	<p>Intent: To provide an incentive for the achievement of credits that address geographically specific environment priorities.</p> <p>Requirement: Earn 1-4 of the 6 Regional Priority credits identified by the USGBC regional councils and chapters as having environmental importance for a project's region.</p>	<p>tambient Contribution: tambient's innovative all-in-one task ambient luminaires help projects in energy-stressed areas earn maximum recognition by optimizing lighting power without compromising visual comfort.</p>
<p>Materials and Resources Credit 5.1 Regional Materials (1-2 points)</p>	<p>Intent: To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the regional economy and reducing the environmental impacts resulting from transportation.</p> <p>Requirement: Use a minimum of 20% of the combined value of construction and Division 12 (Furniture) materials and products that are manufactured regionally within a radius of 500 miles.</p>	<p>tambient Contribution: tambient is manufactured in West Haven, CT. Our factory is located within a 500-mile radius of approximately 40% of the U.S. office real estate market.</p>