

The IDEAL commitment to environmental responsibility.

We've all heard it so many times – GREEN. What does it really mean to you and why should you care? In the Electrical and Data Communications industry, designing and installing a project with consideration to environmental impact means money. Communities, architects and engineers are demanding construction projects be built in energy efficient and environmentally friendly ways. There are standards in place, LEED® and RoHS for example, that define some of the parameters for being green.

IDEAL INDUSTRIES, INC. has been implementing these standards in how we operate and conduct business for years. We've been employing best practices in our manufacturing that minimize our carbon footprint, and more importantly, we're manufacturing products that help meet environmental construction requirements.



Meeting green standards.

For projects/buildings to achieve environment-friendly status, they must comply with LEED® and RoHS regulations.

LEED — Leadership in Energy and Environmental Design, is a third-party certification program that is accepted nationally as the benchmark for design, construction and operation of environmentally responsible, and profitable buildings. LEED is a rating system using five criteria for recognizing human and environmental health: Sustainable site development, water savings, energy efficiency, materials used, and indoor environmental quality.

RoHS is a series of directives issued by the European Union and stands for Restriction of Hazardous Substances — which restricts the use of nine specific substances in new electrical and electronic equipment. After years of research, the EU found that those substances caused pollution and potential health risks from occupational exposure and exposure after disposal.

The IDEAL internal initiative.

At IDEAL, energy use reduction, materials recycling and environmental protection are at the top of our list. Some of the many ways we're implementing them include:

- Energy efficient occupancy sensors and electronic ballasts
- 100% recyclable packaging materials
- Inflated air pillow packing materials instead of Styrofoam
- 100% biodegradable maintenance cleaners
- Electric forklifts that prevent air pollution



The many benefits of green.

The choices made in new construction or existing buildings can have an immediate and measurable impact — by increasing asset value, reducing waste and gas emissions, conserving energy and water, and by lowering operating costs. Examples of some of the areas where IDEAL products can play a part include: light pollution reduction, optimizing energy performance — measurement and verification, heating and cooling distribution, chemical and pollutant source control, and material reuse.

Some answers to your questions.

Q: What are some specific examples of how a building can be environment-friendly?

A: By improved energy efficiency in operating systems, and reducing biodegradable waste in the construction and operation of the building once complete.

Q: Is LEED certification “all or nothing?”

A: No. There are four different levels of certification that are determined by performance.

Q: Who cares about LEED?

A: The most concerned are architects, since they are the one's designing LEED-certified projects. Lighting and HVAC specialists are also integral to achieving certification, and must implement proper solutions.

Q: When did RoHS take effect and what are the nine restricted substances?

A: The first of the directives took effect July 1, 2006. To be compliant with RoHS; Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers, Pentabromo-diphenyl Ether, Octabromo-diphenyl Ether, and Perfluoro Octanic Sulfonates (PFOS) cannot be present in the product.



IDEAL products can help you meet environmental energy efficiency requirements in construction.

The IDEAL way to green projects/buildings

For years, IDEAL has been developing and manufacturing products that can be used in LEED-certified projects — and while individual products cannot be LEED certified, all IDEAL and Buchanan products can help achieve certification and are RoHS compliant.

New Construction / Major Renovation

	Wire Connectors	Filled Connectors / Street Lighting Kits	PowerPlug®	Grounding Products	Wire Lubricants	Duct Seal	SureTest® Analyzer	VPM / Power Analyzer	TightSight™ Clamps	Light Meter	HeatSeeker™	Ground Clamp	Fish Tapes / Rope & Pull-Line
Sustainable Sites: Light Pollution Reduction	●	●	●							●			
Energy & Atmosphere: Minimum Energy Performance	●		●	●								●	
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Materials & Resources: Material Reuse	●												●
Indoor Environmental Quality: Indoor Chemical & Pollutant Source Control					●	●							
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling						●					●		

Existing Buildings: Operations & Maintenance

	Wire Connectors	Filled Connectors / Street Lighting Kits	PowerPlug®	Grounding Products	Wire Lubricants	Duct Seal	SureTest® Analyzer	VPM / Power Analyzer	TightSight™ Clamps	Light Meter	HeatSeeker™	Ground Clamp	Fish Tapes / Rope & Pull-Line
Sustainable Sites: Light Pollution Reduction	●	●	●							●			
Energy & Atmosphere: Minimum Energy Performance	●		●	●								●	
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling											●		

Commercial Interiors

	Wire Connectors	Filled Connectors / Street Lighting Kits	PowerPlug®	Grounding Products	Wire Lubricants	Duct Seal	SureTest® Analyzer	VPM / Power Analyzer	TightSight™ Clamps	Light Meter	HeatSeeker™	Ground Clamp	Fish Tapes / Rope & Pull-Line
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Energy & Atmosphere: Optimize Energy Performance-Lighting Power, HVAC	●		●	●		●	●	●	●		●	●	
Materials & Resources: Material Reuse	●												●
Indoor Environmental Quality: Indoor Chemical & Pollutant Source Control					●	●							
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling						●					●		

Schools

	Wire Connectors	Filled Connectors / Street Lighting Kits	PowerPlug®	Grounding Products	Wire Lubricants	Duct Seal	SureTest® Analyzer	VPM / Power Analyzer	TightSight™ Clamps	Light Meter	HeatSeeker™	Ground Clamp	Fish Tapes / Rope & Pull-Line
Sustainable Sites: Light Pollution Reduction	●	●	●							●			
Energy & Atmosphere: Minimum Energy Performance	●		●	●								●	
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●		●	●	●	●		●	●	
Materials & Resources: Material Reuse	●												●
Indoor Environmental Quality: Indoor Chemical & Pollutant Source Control						●							
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling													

Core & Shell Development

	Wire Connectors	Filled Connectors / Street Lighting Kits	PowerPlug®	Grounding Products	Wire Lubricants	Duct Seal	SureTest® Analyzer	VPM / Power Analyzer	TightSight™ Clamps	Light Meter	HeatSeeker™	Ground Clamp	Fish Tapes / Rope & Pull-Line
Sustainable Sites: Light Pollution Reduction	●	●	●							●			
Energy & Atmosphere: Minimum Energy Performance	●		●	●								●	
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Materials & Resources: Material Reuse	●												●
Indoor Environmental Quality: Indoor Chemical & Pollutant Source Control					●	●							
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling						●					●		

Homes

	Wire Connectors	Filled Connectors / Street Lighting Kits	PowerPlug®	Grounding Products	Wire Lubricants	Duct Seal	SureTest® Analyzer	VPM / Power Analyzer	TightSight™ Clamps	Light Meter	HeatSeeker™	Ground Clamp	Fish Tapes / Rope & Pull-Line
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Energy & Atmosphere: Insulation Maximum, Windows Maximum, Heating & Cooling Distribution System Maximum, Space Heating & Cooling Equipment Maximum, Water Heating Maximum						●					●		
Energy & Atmosphere: Lighting Maximum							●	●	●	●	●	●	
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling						●					●		



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Sustainable Sites: Light Pollution Reduction	●	●	●							●			
Energy & Atmosphere: Minimum Energy Performance	●		●	●								●	
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Materials & Resources: Material Reuse	●												●
Indoor Environmental Quality: Indoor Chemical & Pollutant Source Control					●	●							
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling						●					●		
Sustainable Sites: Light Pollution Reduction	●	●	●							●			
Energy & Atmosphere: Minimum Energy Performance	●		●	●								●	
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Materials & Resources: Material Reuse	●												●
Indoor Environmental Quality: Indoor Chemical & Pollutant Source Control						●							
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling						●					●		
Energy & Atmosphere: Optimize Energy Performance, Measurement & Verification	●		●	●			●	●	●		●	●	
Energy & Atmosphere: Insulation Maximum, Windows Maximum, Heating & Cooling Distribution System Maximum, Space Heating & Cooling Equipment Maximum, Water Heating Maximum						●					●		
Energy & Atmosphere: Lighting Maximum							●	●	●	●	●	●	
Indoor Environmental Quality: Thermal Comfort, Distribution of Space Heating & Cooling						●					●		