BETTER LIGHTING BETTER SCHOOLS
SURPASSING EXPECTATIONS

CHALLENGES FOR EDUCATORS: Good lighting is a critical component of today’s school. Tightening operating budgets sometimes make it difficult to obtain the latest technological advances in construction materials. In turn, aging schools are likely equipped with inadequate lighting and require lighting renovation. Your desire for sustainable construction practices are often met with limited ways to accomplish these goals. We can help you achieve the right lighting plan for your new or existing school.

IMPROVE YOUR LIGHTING: Quality lighting enhances learning by increasing visibility in classrooms and providing the proper illumination in corridors and throughout the school. Poor lighting can cause headache, eye strain and fatigue while reducing student and teacher productivity. Without effective lighting, learning opportunities can deteriorate and safety issues may arise. With our broad portfolio of lighting products, you can achieve well-lit spaces with the newest energy-efficient lighting technology. New “green” technologies are good for your students and good for your school while yielding an economic payback within a short amount of time. Acuity Brands Lighting offers the greatest breadth of lighting products to support the learning environment, from classrooms to gymnasiums and from parking lots to sports fields.
Now more than ever, we want to be sure the learning environment is 100% foolproof. We don’t want distractions. The ambient temperature, the lighting, the furniture and equipment – all of this is important to keep things comfortable and convenient so teachers and students can stay focused and succeed.

— Rick Campbell
Principal, Jackson High School
The teachers loved it. The students loved it. The comfort and calming effect of well-distributed lighting was a big hit from the start.
—Jim Eckman, President Sheeser Buckley Mayfield
GETTING MORE WITH LESS ENERGY

Get More Using Less Energy
Today’s schools must meet stringent energy usage requirements while balancing a tight budget. Lighting accounts for an average of 56% of electricity used in educational buildings. Our cost-sensitive, energy-efficient fixtures will help you decrease your bottom line while enhancing the aesthetics of your building.

Energy-Efficient Fixtures
Choosing a high-quality, energy-efficient lighting system that works with both natural and electric sources will provide a comfortable yet visually stimulating environment for students. Our latest energy-saving lighting can cut your operational costs up to 60%. With our environmentally friendly fixtures, you will save energy costs but you won’t give up lighting quality or occupant productivity.

In addition to offering visual performance, our energy-saving lighting systems will assist you in exceeding the requirements found in state energy codes based on ASHRAE 90.1 and the International Energy Conservation Code (IECC).

Managing Your Lighting
Our lighting control products are an important accompaniment to your lighting fixtures. Dimming capabilities, programmable lighting scenarios and photosensors encourage proper use of the lighting systems. Managing both your daylight and electrical light will yield the most aesthetically pleasing lighting scenarios while saving you a great amount of energy.

Daylighting
Studies indicate that natural lighting in classrooms can improve learning. Your daylighting plan should integrate with your electrical lighting plan to achieve the most significant results.

Appropriate relationships between natural light and electrical lighting include a dimmable or multi-level lighting control system that will automatically adjust in response to environmental conditions, yielding electrical energy savings as a result.

Lighting accounts for an average of 56% of electricity used in educational buildings.

Our latest energy-saving lighting can cut your operational costs up to 60%.

Improve the Quality of Your Light
Enhance your classrooms with products that provide volumetric lighting—filling the entire volume of space with just the right amount of light throughout the room. An ideal solution for classrooms, libraries, lobbies and offices, our volumetric and high-performance fixtures produce a softer, more comfortable light.

By providing an even distribution of soft light, volumetric and high-performance lighting makes spaces more attractive and improves visual acuity. They also eliminate the glare and dark spots associated with parabolic lighting that is often utilized in dated school facilities.

Due to our quality manufacturing and optimized fixture design, these fixtures are extremely efficient luminaires. Not only do they deliver the right amount of light, they provide up to 33% savings in energy over a standard 18-cell, three-lamp T8 parabolic, the most commonly specified classroom light in the past.

With our innovative manufacturing and optimized fixture design, you can have the improved lighting you want with the energy savings you desire.
Acuity Brands Lighting offers a complete line of products for your school. Our family of companies meets all of your lighting needs, both indoors and out:

- Classrooms
- Libraries
- Offices
- Cafeteriums
- Gymnasiums
- Multi-Purpose
- Parking Areas
- Sports Facilities
Classrooms
Today’s classrooms support a variety of learning styles and teachers must employ a variety of teaching methods from lectures to computer-aided learning, from small group guided projects to individual assignments. A flexible lighting system needs to support all of these activities.

Important features of classroom lighting:
- Energy-efficient lighting fixtures
- Readily accessible control system
- Programmed settings for daily activities
- Daylight harvesting
- Automatic after-hours shut-off

Libraries
Smart libraries require special conditions for a variety of visual tasks. Reading requires keen visual acuity and the right amount of surface light available in specific areas. Increasingly the use of computers is the main visual task in today’s libraries. Generally a combination of direct and indirect lighting work well to distribute light more evenly and to eliminate glare from glossy surfaces such as magazine pages or computer monitors.

Important features of library lighting:
- Energy-efficient lighting fixtures
- User-friendly control system
- Programmed settings for computer stations, reading carrels and stacks
- Daylight harvesting
- Automatic after-hours shut-off

Administrative Offices
The lighting requirements for school administrative offices are similar to those in many corporate offices. Office lighting impacts productivity as well as the disposition of employees. Improving upon your office lighting will save energy and provide a better working environment, both assets to your school.

Important features of office lighting:
- Energy-efficient lighting fixtures
- Control over personal workspace
- Programmed settings for individual offices and lobby areas
- Daylight harvesting when available
- Automatic after-hours shut-off with overrides for extended workday hours
Multi-purpose Spaces, Cafeteriums and Gymnasiums
The largest lit area in schools may be the cafetorium or multi-purpose auditorium. It may function daily as a cafeteria, weekly as a gymnasium and monthly as an auditorium. Flexible lighting for this type of space may be a challenge but can be effectively achieved with the right products.

Important features of multi-purpose room lighting:
• Energy-efficient lighting fixtures
• Ultimate flexibility with control system
• Programmed settings for special events, including theater lighting
• Daylight harvesting when available
• Automatic after-hours shut-off with overrides for evening and weekend events

Parking Areas/Sports Facilities
One of the most important functions of exterior lighting is to provide exceptional safety and security during off-hours. Safety lighting is valuable to protect personnel and students during early morning and evenings, but also essential to guard against vandalism during weekends and breaks. Similar programming to that used to control lighting hallways, lobbies and offices can be employed for walkways, parking areas and stadium facilities.

Important features of exterior lighting:
• Energy-efficient lighting fixtures
• Nighttime-friendly products equipped with full cutoff capabilities
• Automatic on/off based on sunrise/sunset times
• Programmed settings for special events, including sporting events
• Safety and security lighting
Our lighting solutions recognize the changing trends in today’s school design.

Increasing trends:
- White boards
- Computer projectors
- Streaming video

Decreasing trends:
- Overhead projectors
- Slide projectors
- Film projectors
Renovating Existing Schools
Schools represent an aging building population that requires modernization to keep up with today’s new learning environments. Renovating older schools is a challenging endeavor guided by tight budget and expansive expectations. Your lighting system upgrade should provide no less-desired result than those of new construction.

With our new line of renovation products, you can remodel your space more easily—often without needing a complete fixture replacement. The latest technologies encompass volumetric lighting, high-efficiency fixtures, direct and indirect lighting fixtures, dimming ballasts, and energy-saving lamps in conjunction with occupancy sensors and control systems.

Relighting products meet your lighting needs, save energy, and save you money. Relighting is an environmentally sensitive solution for your renovation projects.

Relighting Offers:
- Few components to recycle
- Reduced carbon footprint
- Less mercury entering the waste stream

It’s not only the right decision for our world, it’s also less expensive and easy to install.
The lighting creates a better and more enjoyable environment for both the students and faculty by reducing glare on computers and reading/instruction areas. Plus the fixture is pleasing to the eye without drawing attention to the ceiling.

—Ann Whitley, Media Specialist
Winona Park Elementary School
THE SITUATION:

Jackson School District has a vision: “Students achieving their highest potential, inspired by teachers who make a difference, encouraged by parents and a community to ensure that every child realizes their dreams.” Within Jackson, this vision is more than a catch phrase.

THE SOLUTION:

The recently completed Jackson High School is proof positive. A three-year construction project involving renovation of an existing facility and a 150,000 sq ft addition, this unique three-story structure forms a model learning center. “The fact is, traditional classroom lighting can hinder learning,” Director of Facilities Mike Schwartz explains. “It casts shadows and causes glare on blackboards, marker boards and computer screens. Students find this difficult and can’t always focus on the subject at hand. They complain of eye strain and headaches.”

“When we moved to Indirect/Direct lighting, there was an immediate reaction,” recalls Jim Eckman, President of engineering firm Sheeser Buckley Mayfield. “The teachers loved it. The students loved it. The comfort and calming effect of well-distributed indirect light was a big hit from the start.”

“People walk through and think, you must have spent more than you should have. Well, not true,” insists School Principal Rick Campbell. “The project was completed under budget. And that’s only a measurement of build costs,” reminds Facilities Director Schwartz. “Reduced maintenance and life-cycle savings will continue to pay dividends for decades to come.”
Smart Schools are Energy-Wise
Winonna Park Elementary School, Decatur, GA

THE SITUATION:
Winonna Park Elementary School made an educated move when it began renovating portions of the 83 year-old school designed by architect J.W. Sayward. The school decided to reduce its energy bill and improve the aesthetics of its library and multipurpose room by updating the lighting from standard parabolics to the RT5™ Volumetric Recessed Lighting by Lithonia Lighting.

THE SOLUTION:
The program saved energy and more evenly distributed brightness levels, while using fewer fixtures. Ann Whitley, lead media specialist at Winnona Park Elementary School believes the new lighting system, "creates a better and more enjoyable environment for both the students and faculty by reducing glare on computers and reading/instruction areas. Plus the fixture is pleasing to the eye without drawing attention to the ceiling."

The energy savings combined with the visual harmony of the RT5 relighting campaign, allows Winnona Park Elementary to spend its money and time concentrating on something a little more important—students and learning.

LEEDing the Way with Lighting
San Francisco Waldorf High School, San Francisco, CA

THE SITUATION:
Waldorf High School began as an extensive renovation of a 1970s call center, a national model for learning and green design practices. The two-story 23,000 sq ft building features reuse of an existing site, recycling and reuse of materials, abundant daylight with high efficiency lighting and heating. The building is registered with the USGBC LEED® building rating system and is applying for Gold Certification.

THE SOLUTION:
"Energy reduction was our primary lighting goal," says Angi Xanders, Principal of Xanders Design Group. "While the luminaires needed to be stylish to fit the architecture, high efficiency and flexibility was a must." Lighting the classrooms presented a significant challenge.

While studies have demonstrated that daylight improves learning, daylight does not by itself save energy. For this to occur, a daylight control system was installed, combined with automatic shut-off controls for energy code compliance yielding significant energy savings. When light levels rise or fall above a target light level, continuous-dimming ballasts modulate light output to maintain the target. These controls work with an occupancy sensor, which shuts off the lighting when the space is unoccupied. "Even during times of little movement such as exams, occupancy is sensed based on body heat and the luminaires remain on," says Xanders. "This eliminates the need for a 'one-hour teacher override' switch that is commonly used in classrooms."

The result is one of the greenest schools in the country where students benefit from visual comfort and eyestrain reduction, and optimal ceiling and workplane uniformity.
Benefits of green lighting:
- Healthier learning environment
- Increased energy savings
- Greater financial savings
- Environmentally friendly
- Happier students and staff
GROWING OUR SCHOOLS GREEN

Schools are increasingly recognizing the value in becoming more environmentally responsible.

On average, green schools use 33% less energy and save $100,000 per year – enough to hire two new teachers, buy 200 new computers or purchase 5,000 new textbooks.

Green schools can make a tremendous impact on student health, test scores, teacher retention, school operational costs and the environment. Studies show that all building occupants benefit from daylight and improved electrical lighting.

Research indicates that teachers are happier when they have the ability to control their environments. Green schools commonly report reductions in teacher absenteeism and teacher turnover.

Over the lifetime of a school, that amounts to huge savings. Our products will help you achieve your environmental objectives, whether it be to simply save on your electrical bill or participating in programs like Green Globes® or USGBC LEED® for Schools.

USGBC Guide to Green Schools
www.buildgreenschools.org

Green Globes
www.greenglobes.com

ACUITY BRANDS LIGHTING PORTFOLIO OF PRODUCTS

Recessed Lighting
Lithonia Lighting RT5™, RT8, SP5, SP8, ES8™, Avante®
Mark Architectural Lighting

Suspended Lighting
Peerless CLS Classroom Solutions

Downlighting and Accent Lighting
Gotham Architectural Downlighting
Lithonia Lighting Commercial Downlighting

Multi-Purpose Lighting
Lithonia Lighting High Bay Fluorescent

Emergency Lighting
Lithonia Lighting Exit Signs and Units

Outdoor Lighting
Lithonia Lighting Aeris™, Omero™
Hydrel Ingrade and Floodlighting

Lighting Controls
Synergy Lighting Controls, SIMPLY5™ Lighting Intelligence

Relocatable Wiring
RELOC® Wiring Solutions

Renovation Products
Lithonia Lighting RT5R, ES8R
Providing the industry’s broadest line of commercial, industrial, institutional and residential fixtures.

Highly regarded by architects and lighting designers alike as the best choice for interior commercial applications for their design and performance.

A full-line, specification-oriented manufacturer of quality lighting products with extensive capabilities to allow designers to fully express their vision from inception to completion.

Focusing on architectural integration, optical performance, reliability and innovative manufacturing processes to enhance modern spaces.

The industry’s premier brand of specification grade architectural and landscape lighting.

A pioneer in the lighting control marketplace offering a wide platform of products and solutions.

Offering plug-in, relocatable components suitable for wiring commercial and industrial lighting.

Acuity Brands Lighting and our diverse portfolio of brands is one of the world’s largest manufacturer of lighting fixtures offering superior value, the broadest product selection and competitive pricing.