



Food Processing

Industrial Lighting & Controls Solutions



Your work environment is demanding. Our lighting solutions can handle it.

In food and beverage processing, getting lighting right is critical.

High-pressure wash-downs. Corrosive cleaning solutions. Steam. Grease and oil. Freezing temperatures.

Your lighting system must endure tough conditions in a number of severe environments, from splash zones to loading docks, yet consistently contribute to a clean, safe and visually effective workplace. Even more, it must do all this without straining your budget for electricity and maintenance, or causing a plant shutdown.

Consider your needs met with industrial lighting from Acuity Brands®.

We are your single-source provider of today's most innovative lighting and control technologies. We offer the food-processing industry the best value in lighting through an extensive portfolio of products and services that support a safe and sanitary environment. Our solutions can minimize direct and indirect costs associated with energy and maintenance labor, while helping you meet stringent environmental and illumination requirements.



Energy savings: an added advantage

Our lighting solutions are specifically engineered to enhance food-processing functions and minimize maintenance-related downtime. They also happen to save significant amounts of energy.

Proper lighting = managed costs, managed risks.

Lighting solutions must multi-task to meet your plant's needs.

- Reduce contamination risks with easy-to-clean lighting fixtures that also reduce your maintenance costs and downtime through long-life light sources.
- Keep current with the latest in lighting forms that minimize breakage and meet the latest government regulations regarding food quality, safety and defense.
- Provide employees with lighting that enhances visibility and protects them from shadows or blinding glare that can increase your plant's liabilities.

Our solutions are masters at multi-tasking.

Acuity Brands is your single-source provider and true partner for gaining all the advantages of today's lighting solutions for food-processing operations. From a wide variety of luminaires that enhance your production to controls that help you manage costs, our industry-leading solutions simply work for you amid the unique and extensive challenges of the food-processing environment.

Expect more from your lighting in every aspect of the plant.

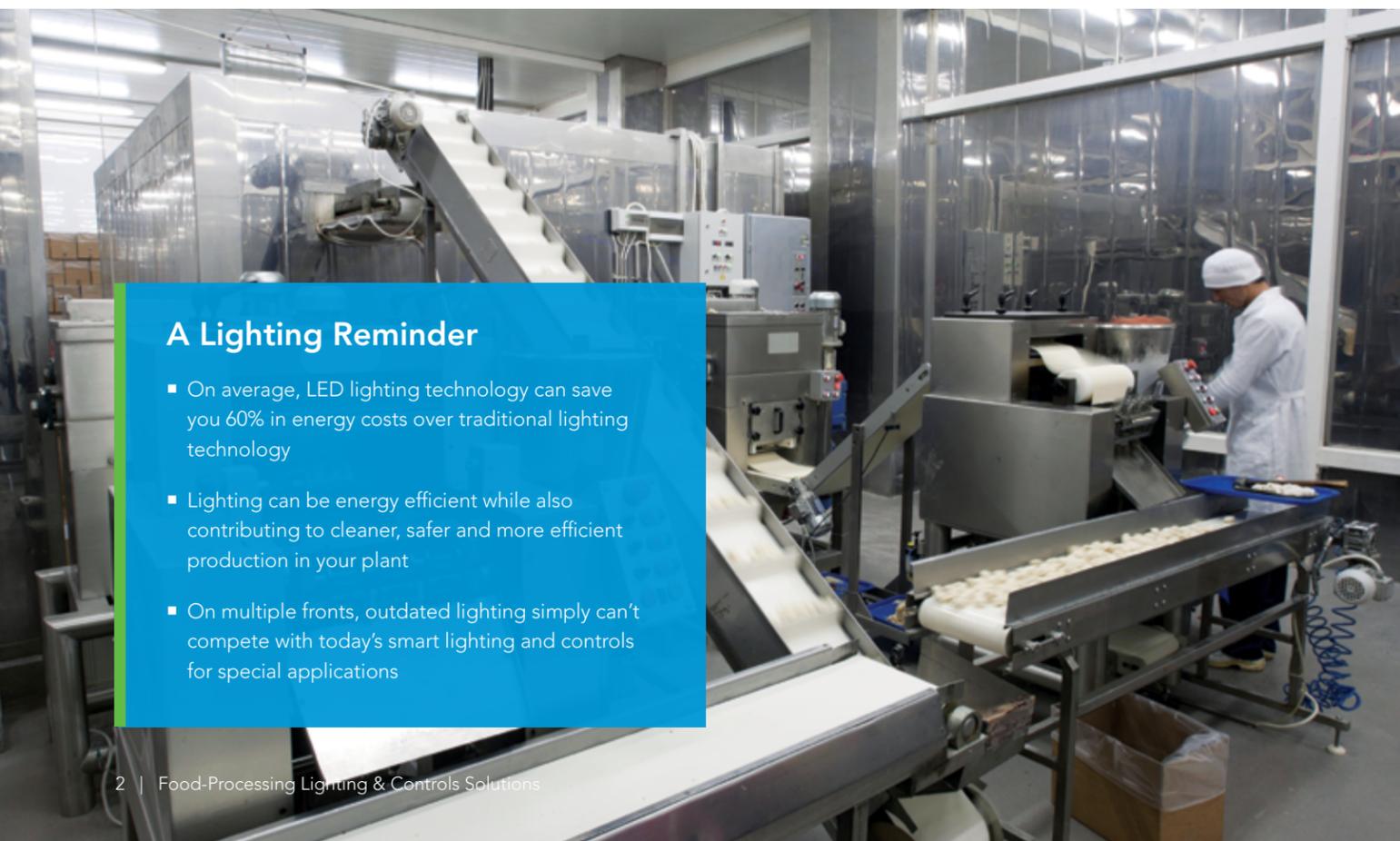
Benefits of an Optimized Food-Processing Plant

- S Savings**
Realized through reduced energy use, labor and maintenance.
- OE Operational Efficiency**
Achieved through increased productivity, improved safety and reallocated resources.
- VC Visual Comfort**
Supports reduced worker fatigue and higher, more consistent production.
- F Flexibility**
Components provide control over your lighting environment with tools that evolve as your operation does.

Lighting solutions for your plant can be optimized for decades of hard-working, efficient lighting that pays for itself in a short time. Optimization starts with advanced LED luminaires that save energy and significantly minimize maintenance. The more you invest, the more benefits you realize for reducing your total cost of operations.

With our lighting and controls solutions, you can customize a system for your specific application and maximize your returns.

In the renovation example below, we replace the 6-lamp, T5 fluorescent fixtures in a typical food-processing application (bottom of chart) with FHE LED food processing (enclosed and gasketed) high bay luminaires — and then build up to an optimized solution.



A Lighting Reminder

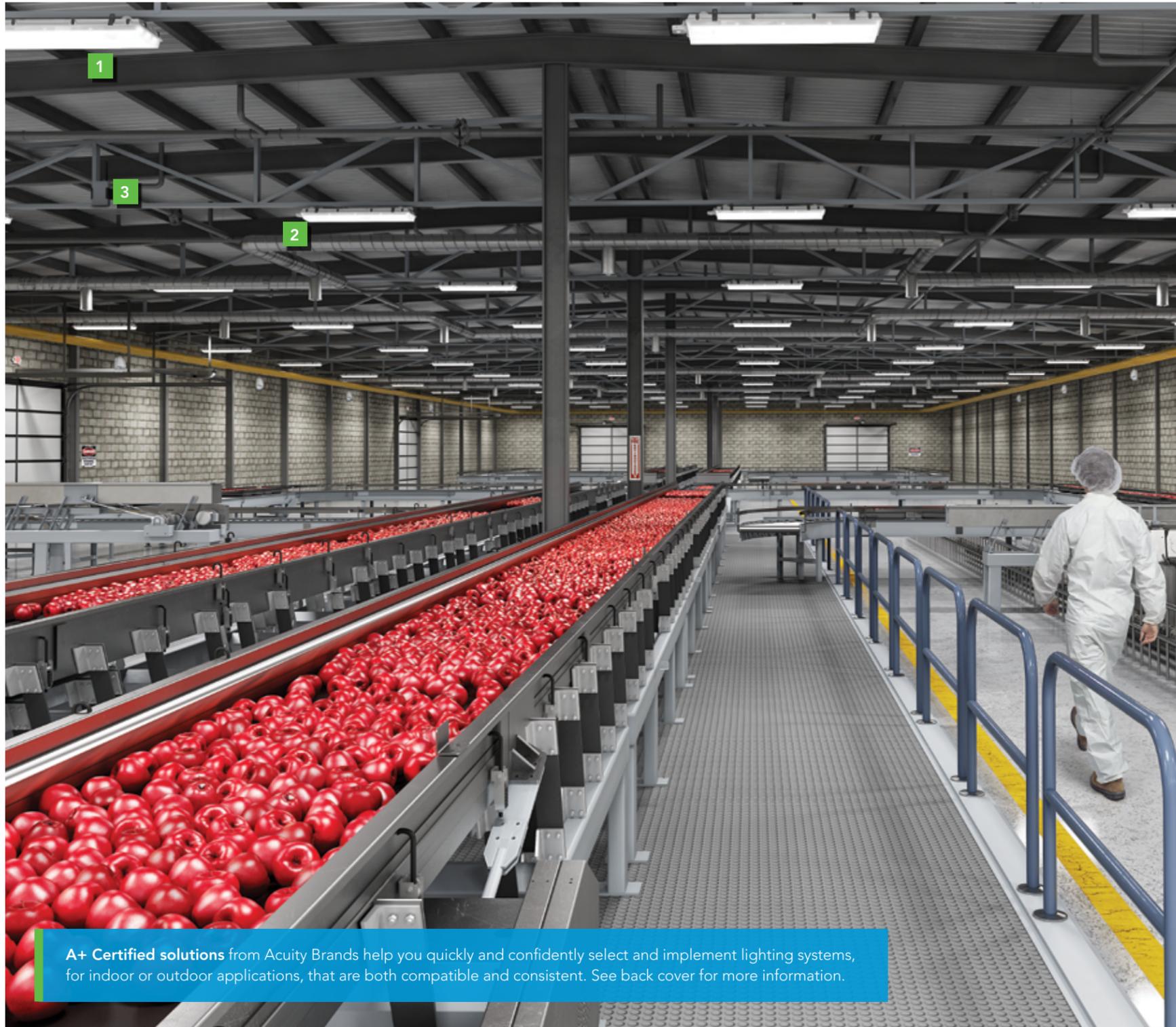
- On average, LED lighting technology can save you 60% in energy costs over traditional lighting technology
- Lighting can be energy efficient while also contributing to cleaner, safer and more efficient production in your plant
- On multiple fronts, outdated lighting simply can't compete with today's smart lighting and controls for special applications

Renovation Examples – 250 Luminaires – 10 year Lifecycle			
System	Average Yearly Operating Cost*	Investment Drivers*	Benefits
OPTIMIZED Replace with: LED High Bay Luminaire with Wireless Controls & Occupancy and Photocell Sensor	\$15,130 / \$72,616	2.0 Yearly Payback / 48% IRR	S, OE, VC, F
Replace with: LED High Bay Luminaire with Occupancy Sensor	\$26,020 / \$61,726	2.1 Yearly Payback / 45% IRR	S, OE, VC
Replace with: LED High Bay Luminaire Only	\$34,577 / \$53,169	2.2 Yearly Payback / 44% IRR	S, VC
Existing Lighting: 6-Lamp T5HO Fluorescent High Bay Luminaire	\$87,746 (energy & maintenance)		

Operating Cost Savings

*Figures are based on conversion from existing 365W 6-Lamp T5HO fluorescent luminaires to new 146W FHE LED high bay luminaires. Savings and returns estimates assume \$0.10/kWh utility rate, 8,760 yearly operating hours, projected typical control system performance, and typical fluorescent lamp/ballast replacement and labor costs. Actual savings, payback period, and IRR may differ as a result of product cost, end-user environment, and application.

Solutions to Optimize your Food-Processing Plant



Lighting that saves you money – LED Luminaires for Food Processing



S
VC

- Lithonia Lighting® FHE LED luminaires, built to withstand the rigors of food processing and demanding environments, provide quality lighting options and accurate color rendering (up to 90 CRI).
- Lower-wattage LEDs save you up to 60% energy over traditional lighting
 - Wet-location listed and NSF certified; 1500 PSI hose-down and IP65, IP66, IP67 rated; meets FDA/USDA guidelines

Lighting when you need it – Responsive Occupancy Sensor



S
OE

- Acuity Controls SBOR Series sensors for outdoor or wet-location luminaires use digital passive infrared (PIR) technology is tuned for walking-size motion while preventing false tripping from the environment.
- IP66 rated and can operate at temperatures as low as -40°F (-40°C)
 - Dims or turns off lights when space is unoccupied, increasing energy savings and life of your luminaires

Lighting that changes with you – Flexible Network Controls

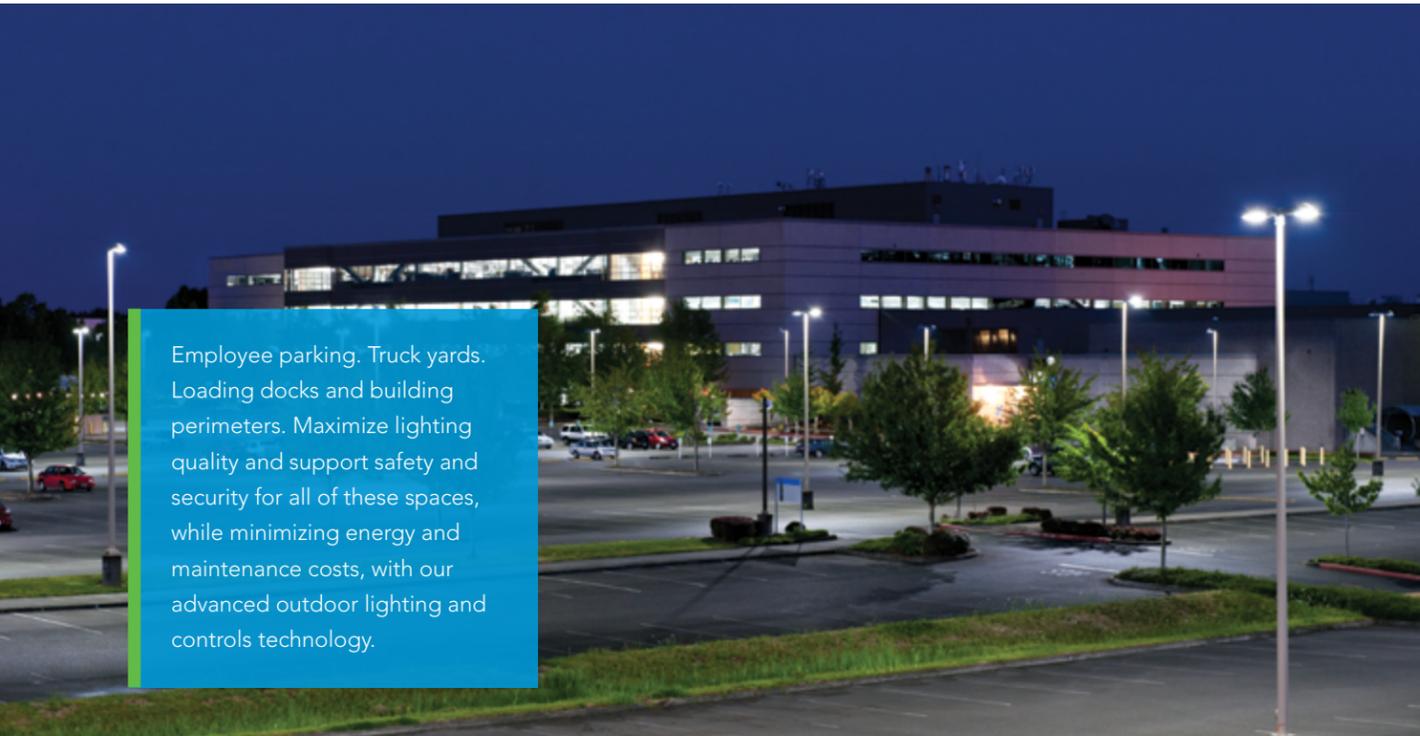


S
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F

- XPoint™ Wireless and SensorView from Acuity Controls mean superior lighting management through wired/wireless network communication between fixtures, sensors, and control stations.
- Digital system lets you configure individual fixtures or entire zones as you boost savings, increase luminaire life, and comply with local codes
 - SensorView software optimizes system via task-tuning, configuring, rezoning, program scheduling and more, all through one interface or app

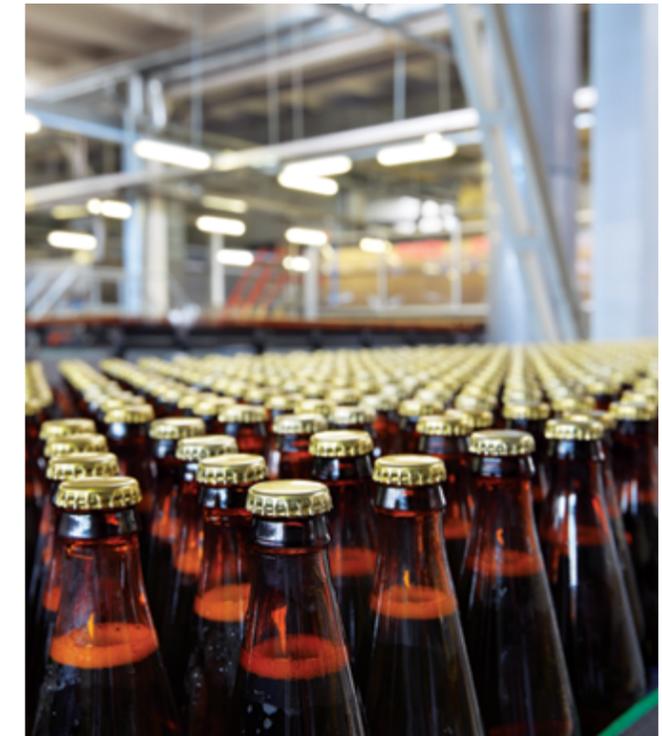
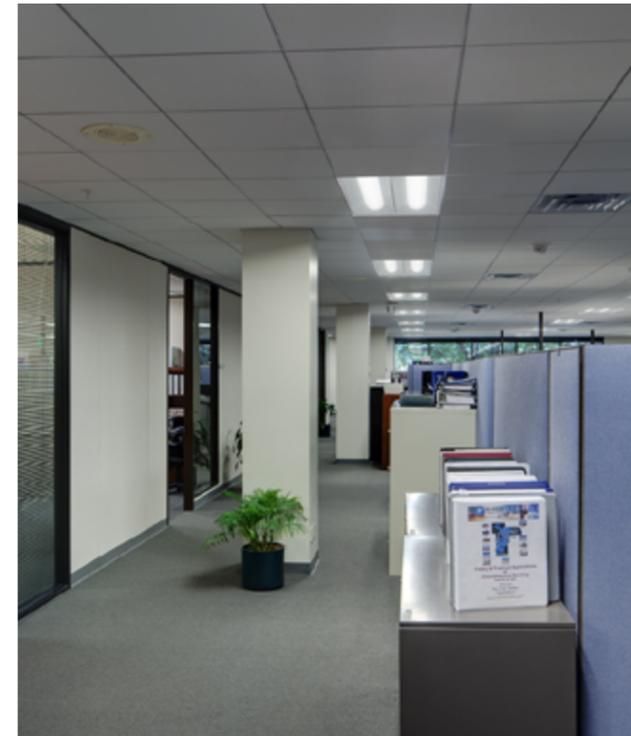
A+ Certified solutions from Acuity Brands help you quickly and confidently select and implement lighting systems, for indoor or outdoor applications, that are both compatible and consistent. See back cover for more information.

Complete your food-processing solution with outdoor lighting.



Employee parking. Truck yards. Loading docks and building perimeters. Maximize lighting quality and support safety and security for all of these spaces, while minimizing energy and maintenance costs, with our advanced outdoor lighting and controls technology.

Acuity Brands solutions for every area, every need.



Area Lighting

Lithonia Lighting® D-Series LED Area (DSX) luminaires deliver performance, long life, energy savings, and better lighting from every angle.



- Replaces 250W-1000W metal halide
- Controls options support enhanced feeling of safety while minimizing energy and maintenance costs

Floodlighting

Lithonia Lighting® high-lumen LED floodlights (HLF) are a powerful upgrade to metal halide sources, saving money without compromising light levels.



- Replaces 400W-1000W metal halide
- Universal yoke and integral slipfitter mounting options for easy 1-for-1 retrofit and reduced installation costs

Wall-Mounted Lighting

Lithonia Lighting® LED wall luminaires (TWH) are cast in a traditional dayform, offering LED technology in a popular, classic appearance.



- Replaces 175-400W metal halide
- Large footprint hides unsightly wall stains from replaced luminaires, eliminating the need to repaint

Office Lighting

Conference rooms. Offices. Lobbies. Corridors. Whether your goal is energy savings, user comfort, improved quality of light, or all of these, our commercial office products deliver energy- and cost-efficient solutions to suit your space.



- Lithonia Lighting® BLT Series provides a clean design, shallow fixture-depth for easy installation, plug-n-play control options and reliability — all at an attractive price. It is your best-in-value ambient lighting solution.
- Lithonia Lighting® LDN6 Series open and wallwash downlights allow you to upgrade to LED with features that redefine affordability.

Task Lighting

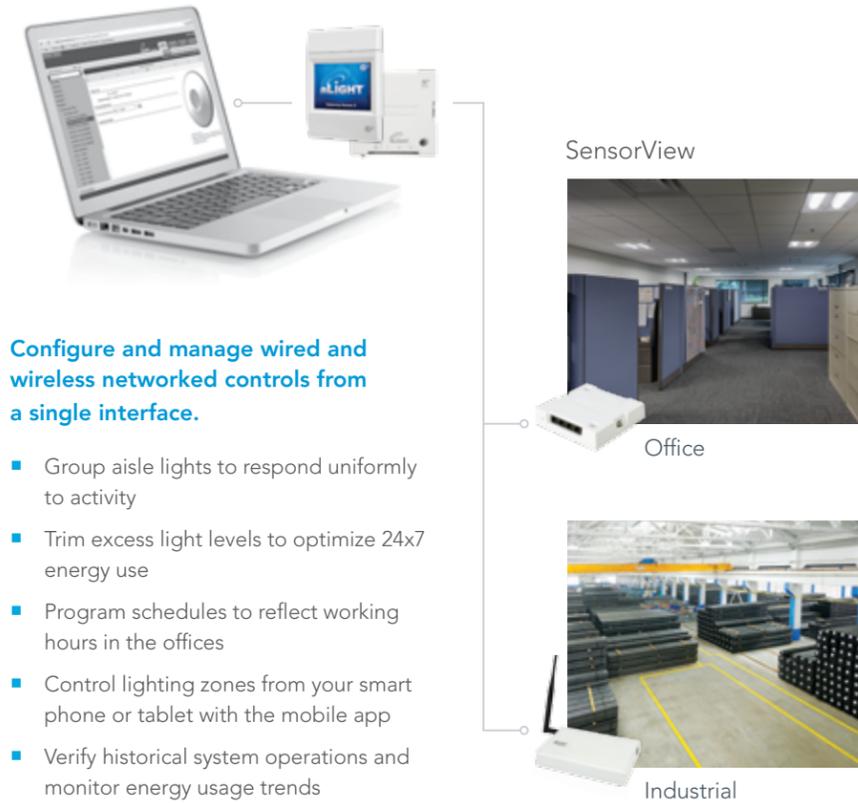
In addition to traditional industrial lighting, we have task lighting solutions for processing areas, storage areas, or other areas that need a low-profile solution.



- Lithonia Lighting® DMW2 LED provides versatility, higher on-task light levels and energy-saving controls options for food processing environments with a lightweight, NSF-listed low-profile design.
- Lithonia Lighting® Archway™ Passage™ VAP LED luminaires operate in ambient temperatures ranging from -20°F to 104°F; NSF certified and IP65 rated for wet-locations.

Take your operation to the next level with Acuity Controls XPoint™ Wireless.

You're looking for an edge. You want greater levels of operational functionality and flexibility. You want to achieve greater savings. Consider investing in your operation by choosing the incredibly simple and adaptable XPoint Wireless lighting control system.



Configure and manage wired and wireless networked controls from a single interface.

- Group aisle lights to respond uniformly to activity
- Trim excess light levels to optimize 24x7 energy use
- Program schedules to reflect working hours in the offices
- Control lighting zones from your smart phone or tablet with the mobile app
- Verify historical system operations and monitor energy usage trends

XPoint Wireless and SensorView software give you the tools needed to optimize your business and maximize your energy savings:

- **Ultimate flexibility:** Experience the freedom to rezone or move fixtures as your operation evolves — manage your lighting at any level, from the entire site, to specific zones or single fixtures.
- **Reliability = peace of mind:** XPoint Wireless is based on a proven wireless mesh network that has no single point of failure.
- **Stress-free code compliance:** Regulations change rapidly. Receive and manage demand response signals — or implement peak shaving strategies — to drive more savings. XPoint Wireless enables greater levels of multi-level dimming and daylight harvesting.

Set the stage for increased energy savings, flexibility and life safety.



High Bay Lighting

Lithonia Lighting® I-BEAM® IBH LED luminaire is ideal for high-bay lighting in cold-storage applications, thanks to its ability to operate in ambient temperatures as low as -40°F (-40°C).



Task Lighting

Lithonia Lighting® Z Series LED striplights provide superior performance and longer life than fluorescent striplights; no lamp outages mean uniform light and reduced maintenance costs.



Life Safety

The Lithonia Lighting® Indura® NEMA 4X emergency LED fixture (INDX) provides protection in environments where moisture, dirt or dust would limit the life of ordinary emergency lighting.

Complete your Acuity Brands experience with confidence and more.

A+ Certification for Compatible and Consistent Performance

A+ Certified solutions from Acuity Brands help you quickly and confidently select and implement lighting systems that are both capable and compatible. For lighting professionals, it means ease, freedom and confidence that all parts of a certified lighting system will operate together.



Acuity Brands Services

Acuity Brands offers customer financing and rebate services, so customers can experience the energy and expanded capabilities of LED lighting and remain cash-flow positive in year one. Contact services@acuitybrands.com for more information and a custom financing program for your next renovation project. www.acuitybrands.com/solutions/services

Visit AcuityBrands.com/Industrial-Food



Expanding the boundaries of lighting™

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