



Manufacturing

Industrial Lighting & Controls Solutions



Your productivity is everything. Maximize it with our lighting solutions.

Your best equipment isn't always on the production floor.

In manufacturing, lighting is about more than illumination. Lighting should also promote safety, ensure energy savings, meet building codes, and require minimal maintenance. These issues affect your ability to run at full capacity and, thus, your bottom line. They're non-negotiable.

For nearly a century, manufacturers have partnered with Acuity Brands® to integrate lighting into their operations — lighting that enhances productivity and streamlines their facilities management.

We are a single-source provider of today's most innovative lighting technologies, offering an extensive portfolio of products and services that deliver real results by creating cost-effective, safe and productive manufacturing facilities.



It's more than 'Energy Savings'

Acuity Brands offers a number of options that extend the life of your lighting solutions while saving on energy consumption.

Your lighting system should be hard at work.

Imagine lighting that doesn't take breaks, waste expensive resources, or require ongoing supervision.

- Your lighting could minimize the time and money needed to get things done by reducing the resources you spend on installation, maintenance and energy.
- Your lighting should help keep you running in compliance with the latest codes for safety, plus qualify you for efficiency-related rebates and tax incentives, especially when combined with controls.
- Your lighting can reliably and consistently produce superior illumination to support your operations, whatever the task or wherever the location.

Our lighting solutions support manufacturing.

As a single-source provider and true partner, we deliver industry-leading lighting and controls solutions that simply work amid the challenges of the manufacturing environment. From products and support to specialized services and financing, Acuity Brands is committed to your successful operations.

Expect your lighting to do more for your bottom line.

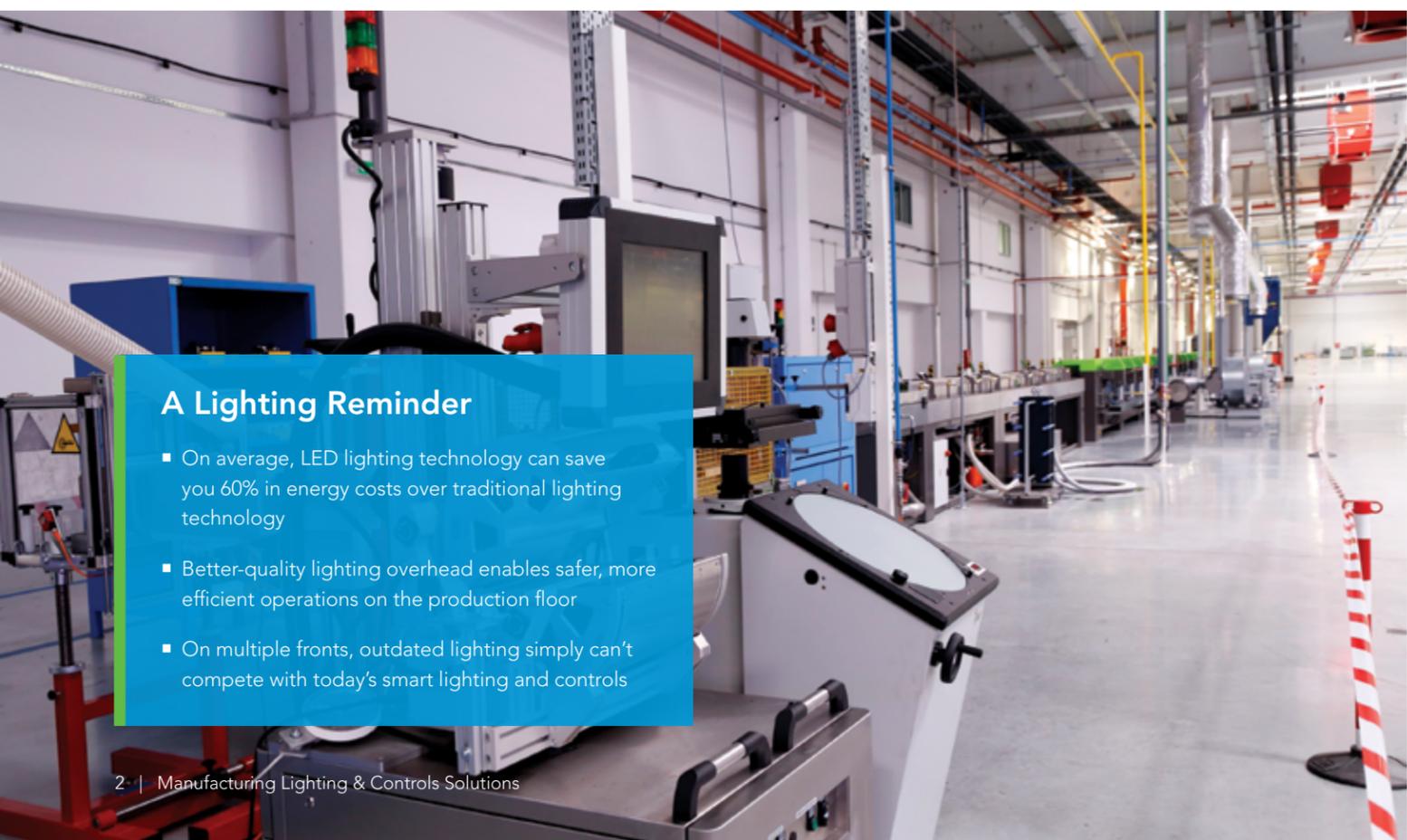
Benefits of an Optimized Manufacturing Facility

- 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.

Your manufacturing lighting can give you years – many years – of flexible, efficient lighting that will pay for itself over a short time. The optimization starts with advanced LED luminaires that save energy and 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 customize a system to your specific application and maximize your returns.

In the renovation example below, we replace pulse-start metal halide luminaires in a typical manufacturing application (bottom of chart) with I-BEAM® IBL LED high bay luminaires — and then build up to your optimized solution.



A Lighting Reminder

- On average, LED lighting technology can save you 60% in energy costs over traditional lighting technology
- Better-quality lighting overhead enables safer, more efficient operations on the production floor
- On multiple fronts, outdated lighting simply can't compete with today's smart lighting and controls

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	\$14,143 / \$68,312	1.8 Yearly Payback / 54% IRR	S OE VC F
	Replace with: LED High Bay Luminaire with Occupancy Sensor	\$24,748 / \$57,707	1.9 Yearly Payback / 53% IRR	S OE VC
	Replace with: LED High Bay Luminaire Only	\$32,963 / \$49,492	2.0 Yearly Payback / 51% IRR	S VC
	Existing Lighting: 400W Pulse Start Metal Halide High Bay Luminaire	\$82,455 (energy & maintenance)		

Operating Cost Savings

*Figures are based on conversion from existing 458W pulse start metal halide luminaires to new 192W IBL LED high bay luminaires. Savings and returns estimates assume \$0.10/kWh utility rate, 6,570 yearly operating hours, projected typical control system performance, and typical HID 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 Manufacturing facility



Lighting that saves you money – LED Luminaires for Manufacturing



S

For every manufacturing lighting budget, the I-BEAM® IBL LED luminaire from Lithonia Lighting® gives you a reliable and customizable LED lighting solution.

VC

- Requires up to 36% less input wattage than fluorescent, up to 59% less than HID; up to 60% energy savings
- Reliable LED technology saves on maintenance and labor via longer life and lower operating cost

Lighting when you need it – Responsive Occupancy Sensor



S

The Acuity Controls LSXR passive-infrared occupancy and photo sensor allows you to create a more efficient work environment.

OE

- Turns lights off when space is unoccupied, increasing energy savings and life of your luminaires
- Light only the space you need with optional dimming and photocell settings

Lighting that changes with you – Flexible Network Controls



S

XPoint™ Wireless and SensorView from Acuity Controls mean superior lighting management through wired/wireless network communication between fixtures, sensors, and control stations.

OE

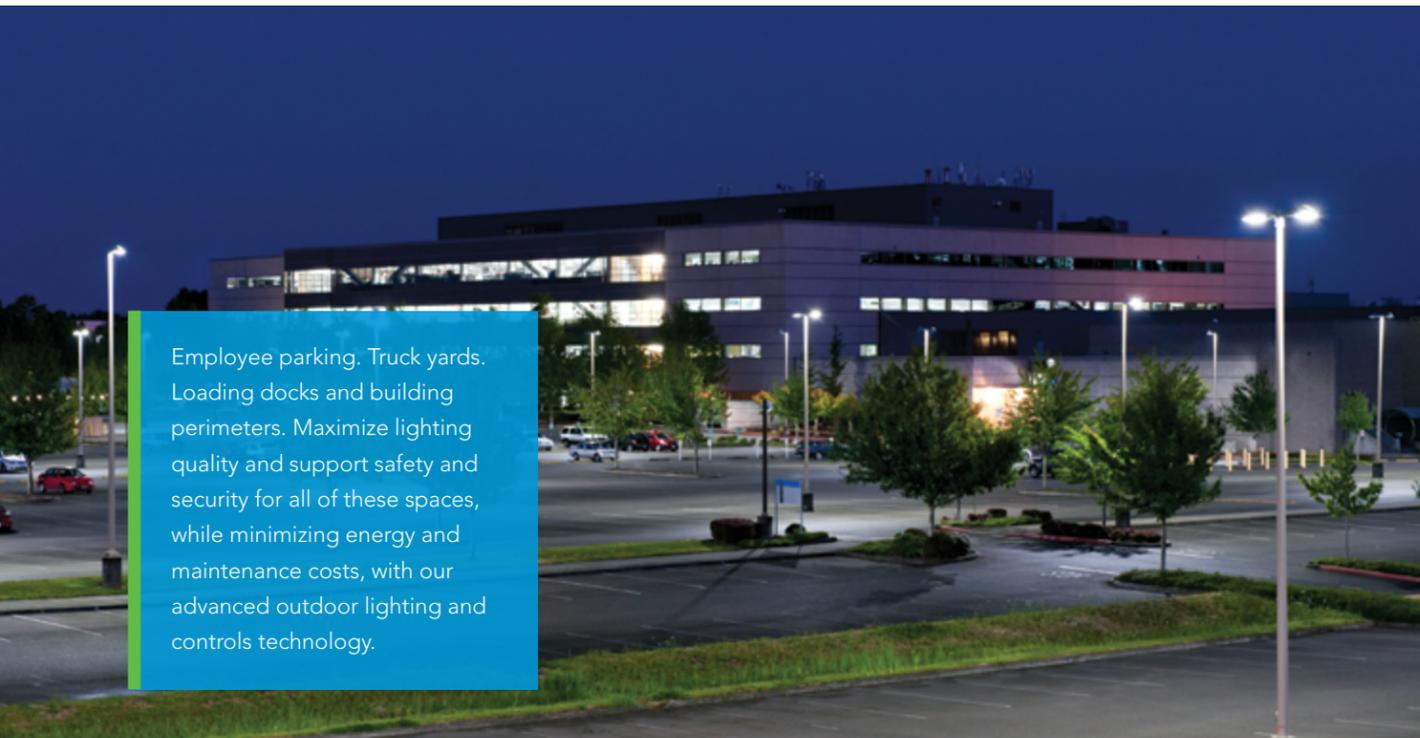
- Digital system lets you configure individual fixtures or entire zones as you boost savings, increase luminaire life, and comply with local codes

F

- 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 manufacturing 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.

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

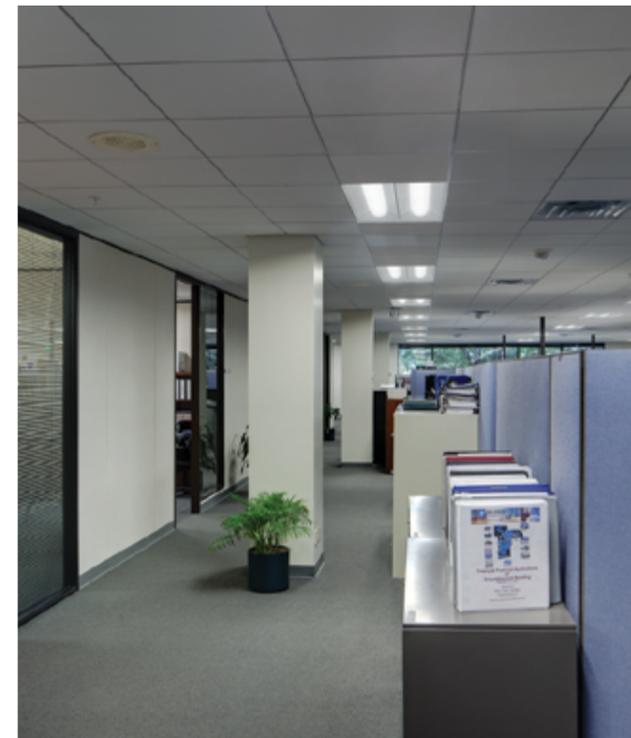
Wall-Mounted Lighting

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

Acuity Brands solutions for every area, every need.



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.

Production Task Lighting

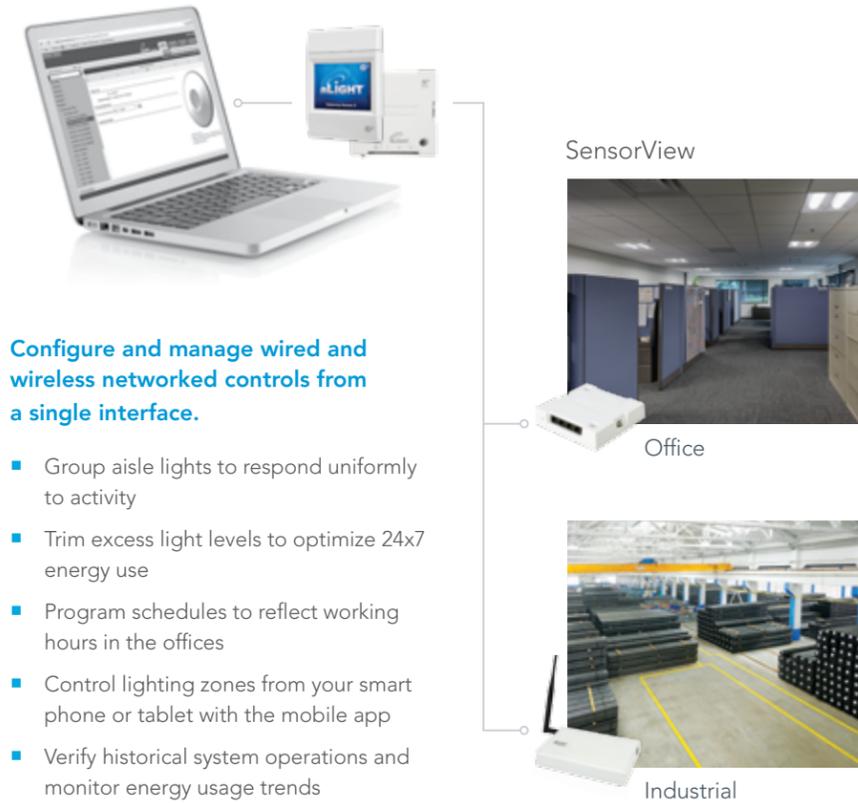
In addition to traditional lighting, we have task lighting solutions for employee workstations, storage areas, or other areas that need a low-profile solution.



- Lithonia Lighting® DMW2 LED provides versatility, higher on-task light levels and energy-saving controls options for demanding environments with a lightweight, low-profile design.
- 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.

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.



Daylighting

Sunoptics® Signature Series prismatic skylights use a patented optical design to capture more light at low sun angles, which can eliminate the need for electric lighting during the daylight hours.



Modular Wiring

RELOC® modular wiring for open- and recessed-ceiling applications simplifies installation of lighting applications requiring up to three circuits.



Life Safety

Employing LED technology precisely tailored for emergency situations, the Lithonia Lighting® Quantum® LHQM LED provides long (up to 10 years) maintenance-free life, reducing total cost of ownership.

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-Manufacturing



Expanding the boundaries of lighting™

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