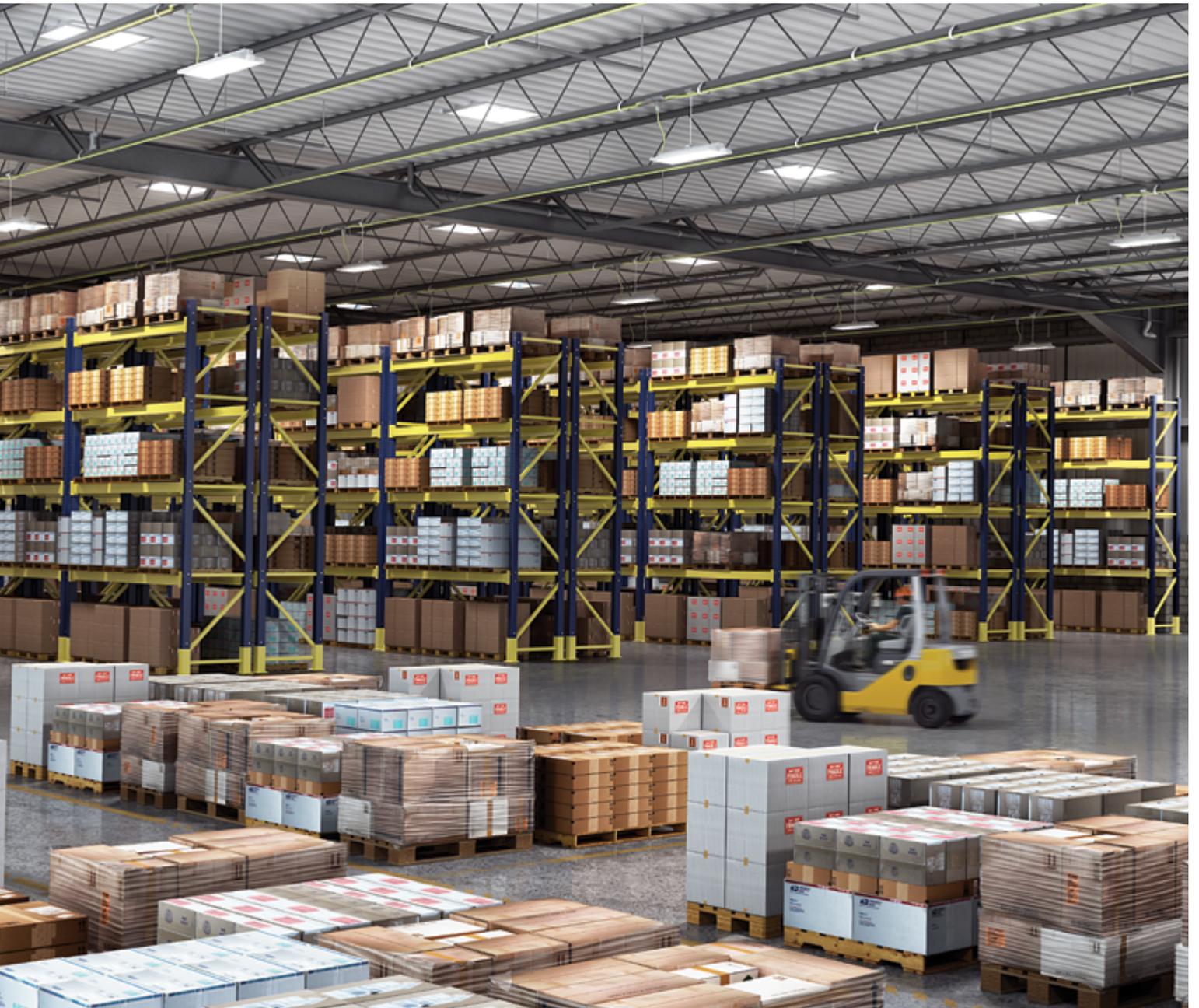




Warehouse & Logistics

Industrial Lighting & Controls Solutions



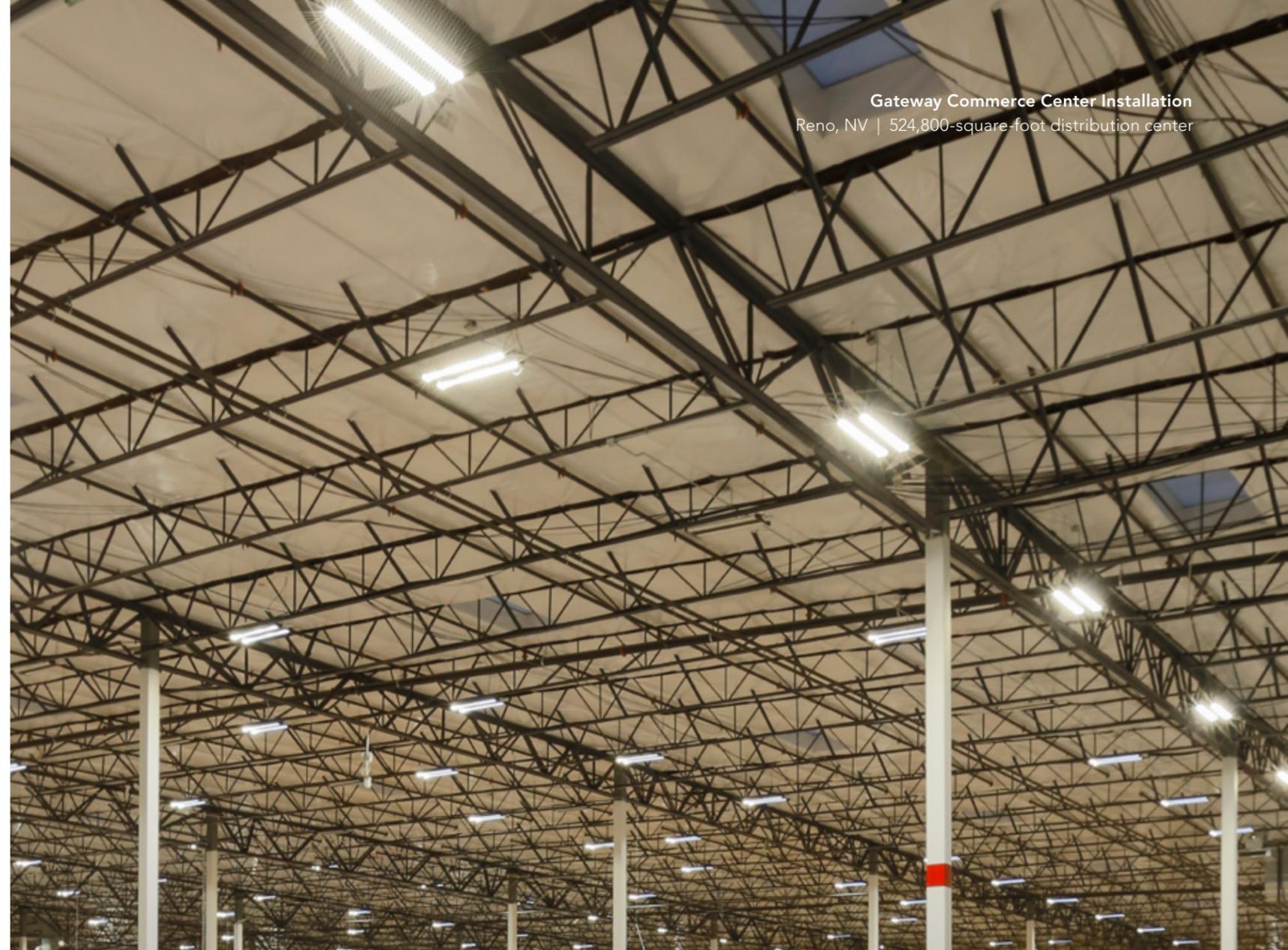
Your warehouse lighting needs are varied. Our solutions are proven.

There's so much to consider when you specify lighting for a warehouse.

Lighting must comply with codes, use energy efficiently, enable productivity and enhance the working space. It's also one of the biggest energy expenses in your warehouse. Efficient warehouse operations depend on well-planned lighting. We know. Lighting and controls technology is what we do.

We've been around for almost a century. Together, we can create the best lighting solution for every area of your facility, whether it is a new project or a retrofit.

We are a single-source provider of today's most innovative technology, offering an extensive portfolio of products and partnering with building professionals to deliver a cost-effective, safe and productive workspace.



Far Beyond 'Going Green'

Acuity Brands can work with you to turn lighting into one of your greatest assets and add long-term value to your facility.

Lighting should work for you, not against you.

Traditional warehouse lighting is a drain on your resources.

- It wastes energy, certainly. But it also requires both routine and unexpected maintenance. That includes labor and can be expensive.
- It struggles to comply with ever-changing energy codes. A constant worry, this can add up in fixes that are costly and time-consuming.
- It leaves employees in darker spaces than are warranted by their tasks. That affects productivity, and quite possibly, can create an unsafe work environment.

Our solutions can turn things around.

Acuity Brands® understands the everyday challenges of maintaining a good lighting system. As a single-source provider and your true partner, we deliver industry-leading lighting and controls solutions that simply work. From products and support to specialized services and financing, Acuity Brands is committed to your success.

Optimize your warehouse. Maximize your return.

Benefits of an Optimized Warehouse

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Savings

Realized through reduced energy use, labor and maintenance.

OE

Operational Efficiency

Achieved through increased safety, productivity and reallocated resources

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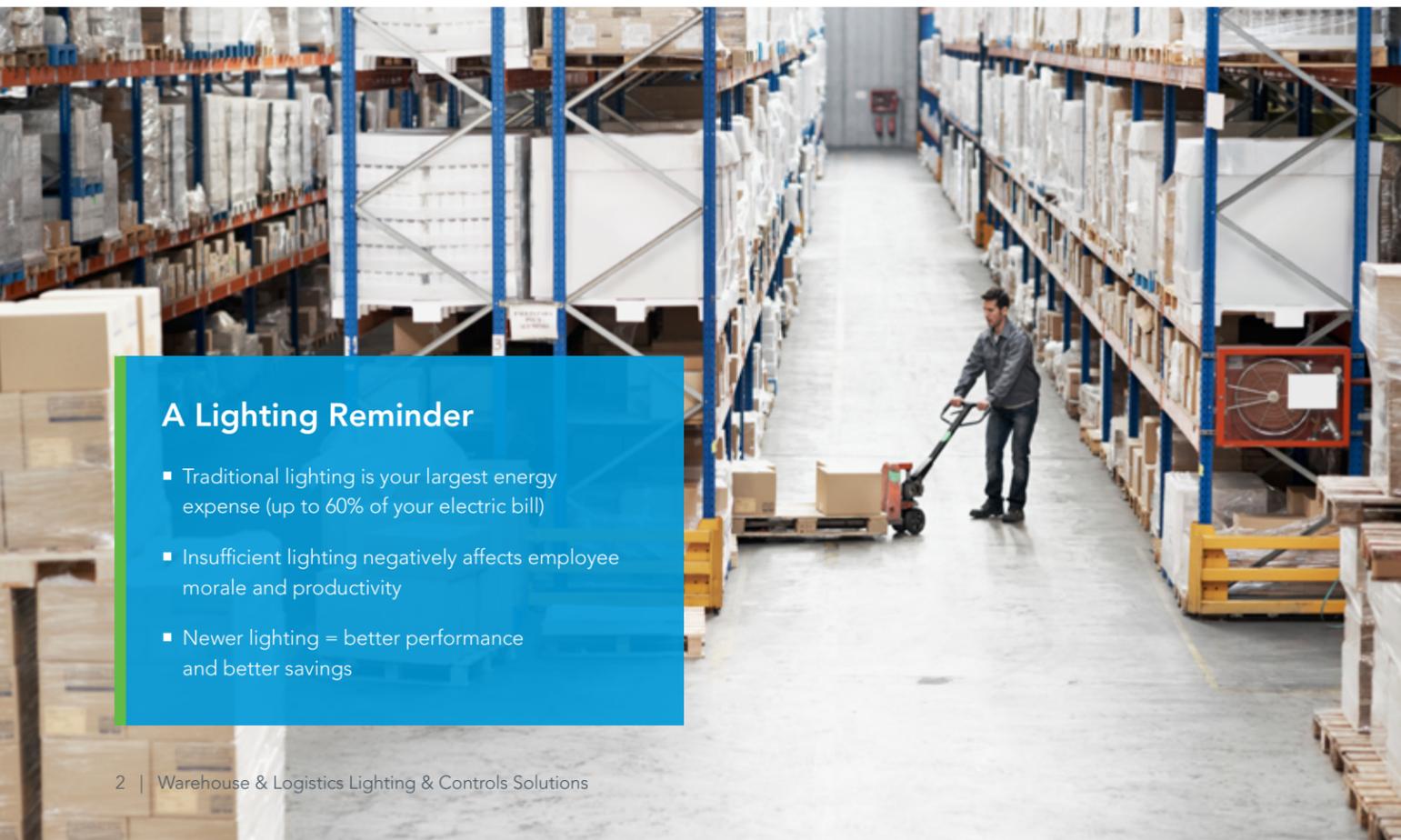
Flexibility

Components provide control over your lighting environment with tools that evolve as your operation does.

Getting the most from your lighting means more money you can invest in your business. The optimization starts with LED luminaires that save energy and minimize maintenance. As you invest more you gain additional benefits that reduce your total cost of operations.

Acuity Brands solutions work to save you money. We design lighting and controls that let you customize to your specific application and maximize your return.

In the renovation example below, we replace 6-lamp, T5 fluorescent fixtures in a typical warehouse application (bottom of chart) with I-BEAM® IBH LED high bay luminaires — and then build up to your optimized solution.



A Lighting Reminder

- Traditional lighting is your largest energy expense (up to 60% of your electric bill)
- Insufficient lighting negatively affects employee morale and productivity
- Newer lighting = better performance and better savings

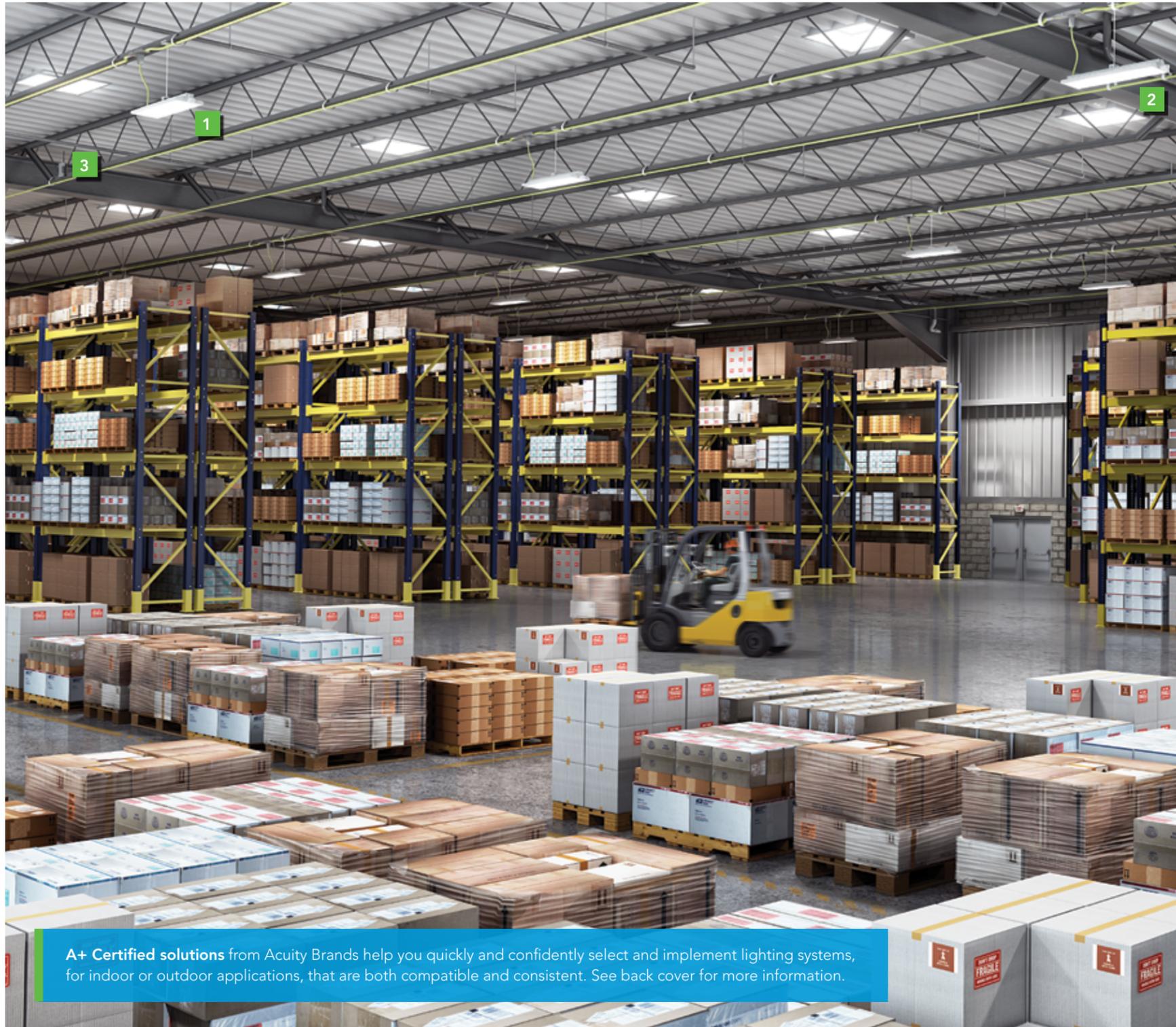
Renovation Examples – 250 Luminaires – 5 year Lifecycle

	System	Average Yearly Operating Cost*	Investment Drivers*	Benefits
OPTIMIZED	Replace with: LED High Bay Luminaire with Wireless Controls & Occupancy and Photocell Sensor	\$10,694 / \$53,768	2.0 Yearly Payback / 40% IRR	S, OE, F
	Replace with: LED High Bay Luminaire with Occupancy Sensor	\$18,589 / \$45,873	2.0 Yearly Payback / 41% IRR	S, OE
	Replace with: LED High Bay Luminaire Only	\$24,750 / \$39,712	2.0 Yearly Payback / 40% IRR	S
	Existing Lighting: 6-Lamp T5HO Fluorescent High Bay Luminaire	\$64,462 (energy & maintenance)		

Operating Cost Savings

*Figures are based on conversion from existing 365W 6-Lamp T5HO fluorescent luminaires to new 142W IBH 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 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 Warehouse



Lighting that saves you money – LED Warehouse Luminaires



S

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

- Lower wattage LEDs save you up to 70% energy over traditional warehouse lighting
- 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



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

OE

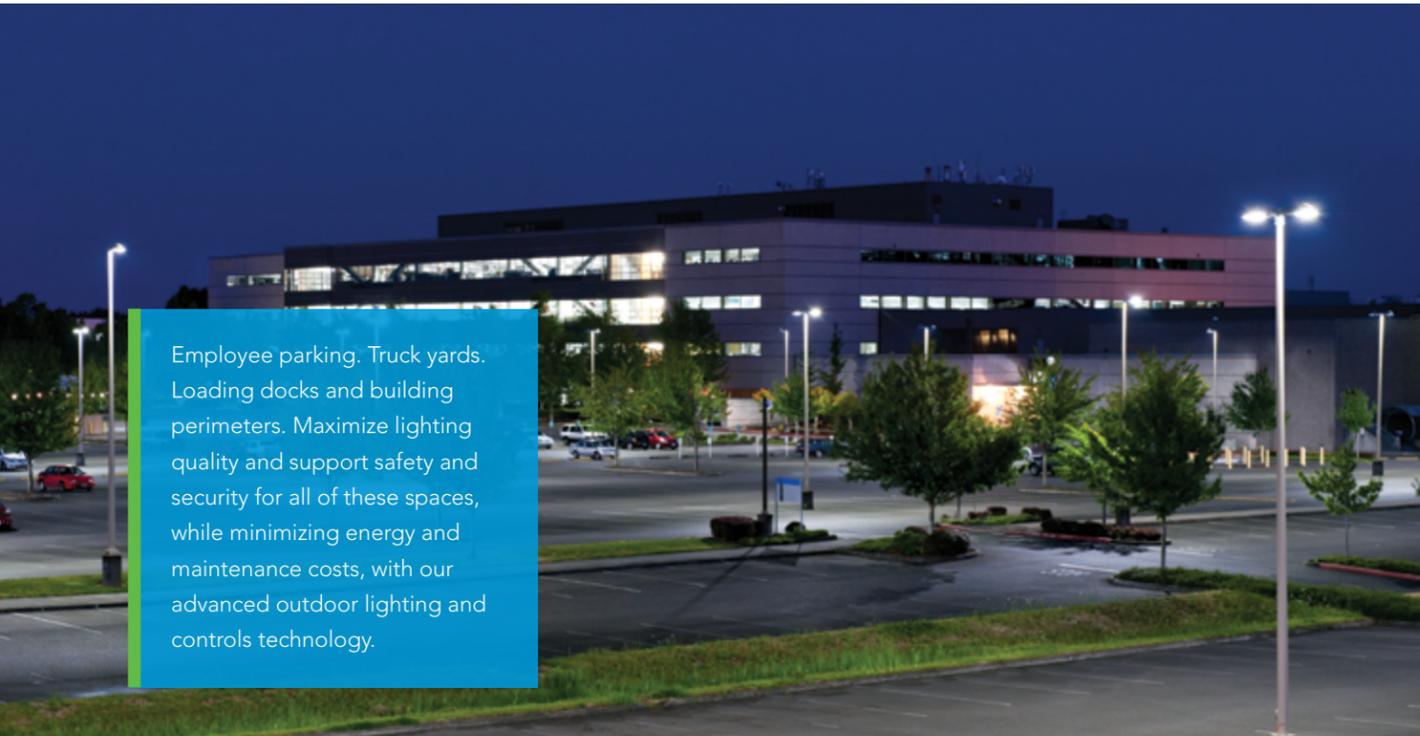
- Digital system lets you configure individual fixtures or entire zones as you boost savings, increase luminaire life, and comply with local codes

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- SensorView software optimizes system via task-tuning, configuring, rezoning, program scheduling and more, all through one interface or app

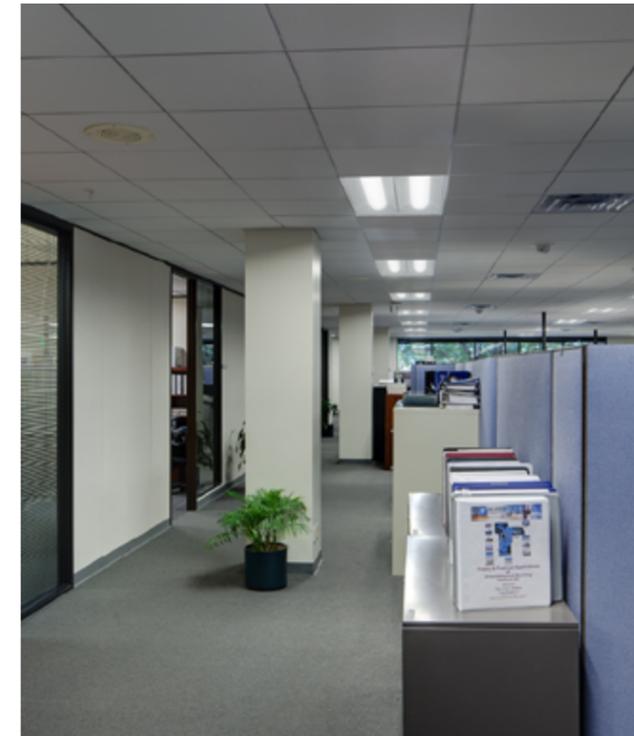
A+ Certified solutions from Acuity Brands help you quickly and confidently select and implement lighting systems, for indoor or outdoor applications, that are both compatible and consistent. See back cover for more information.

Complete your warehouse 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

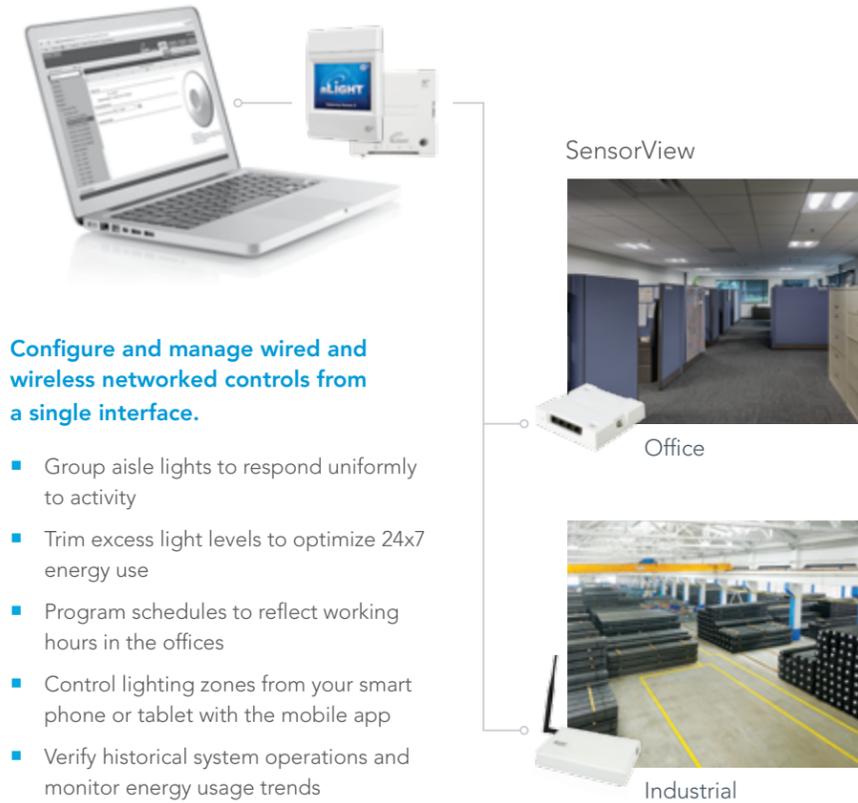
In addition to traditional warehouse lighting, we have task lighting solutions for employee workstations, storage areas, loading docks, canopies, stairwells, or other areas that need a low-profile solution.



- 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.



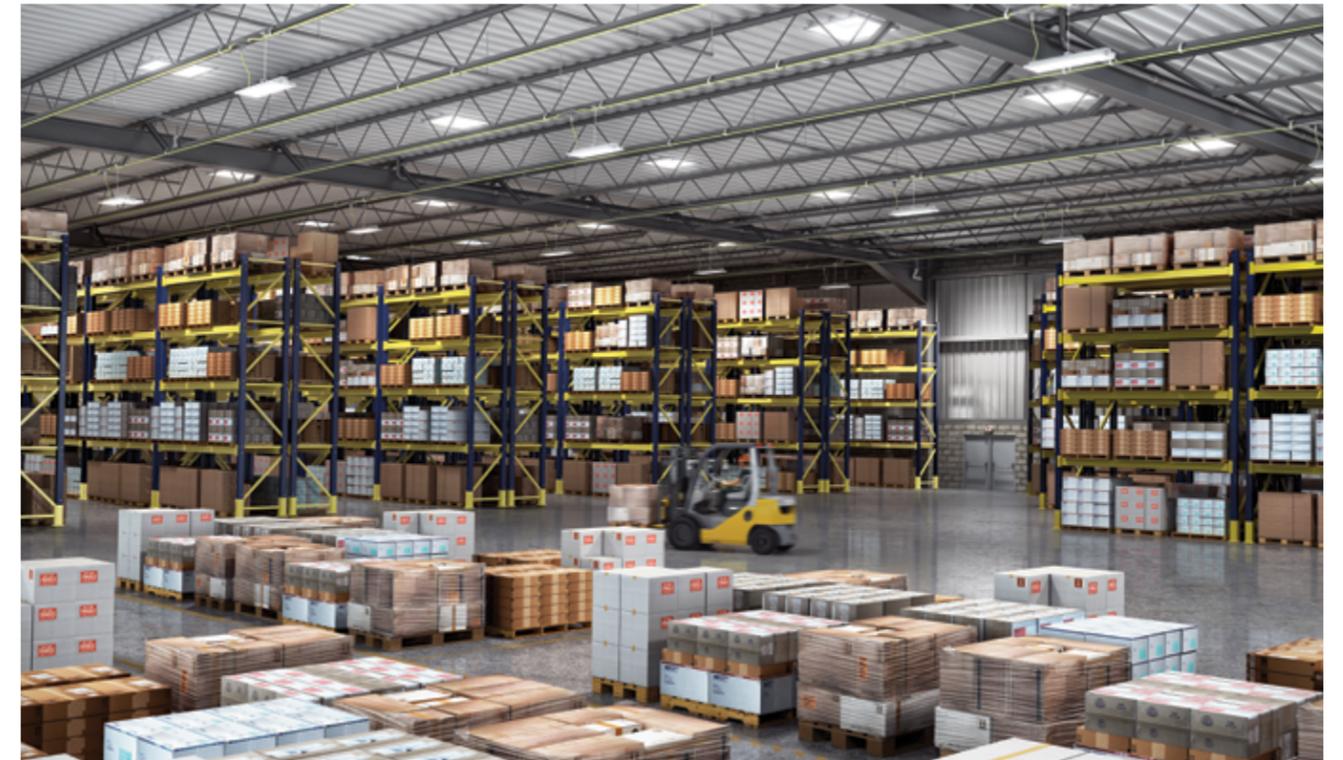
Configure and manage wired and wireless networked controls from a single interface.

- 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-Warehouse



Expanding the boundaries of lighting™

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AEL American Electric Lighting

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eldoLED

DISTECH CONTROLS

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