

Heavy Industrial

Industrial Lighting & Controls Solutions



Your environment poses a tough challenge. Our lighting solutions can meet it.

Don't compromise on lighting just because your space is demanding.

Expose them to high temperatures, corrosive agents, humidity, constant vibrations or any other rough conditions. Holophane® lighting and control solutions can take the abusive nature of your heavy-industrial facility, all while providing quality lighting that complies with codes and reduces energy costs.

For over a century, Acuity Brands® lighting and controls have been integrated seamlessly into the harshest of industrial environments. Holophane lighting systems are legendary for their

ability to withstand intolerant conditions and meet standards for the most effective and efficient lighting solutions available.

Part of the Acuity Brands family, Holophane provides the lowest total cost of ownership and brings to your specific space products backed by a strong legacy of innovative lighting technologies. Since 1898, Holophane's extensive portfolio of solutions has helped to create cost-effective, safe and productive heavy-industrial facilities.



Serious Savings for Serious Spaces

Your energy and maintenance costs are drastically reduced, even in the most trying conditions, with Holophane LED lighting and integrated controls.

Your lighting should work for you, not against you.

Heavy industrial lighting is too often a drain on resources.

- Traditional lighting not only wastes energy, it also requires routine and unexpected maintenance, with labor that's expensive, given the extreme conditions.
- 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 spaces darker than what's needed for their tasks. This affects productivity and, quite possibly, can create an unsafe work environment.

Custom solutions, optimized lighting for the heavy-industrial space.

Holophane is your true lighting-solutions partner, with a dedicated, factory-direct sales team that can customize for you an optimized lighting solution. We deliver industry-leading lighting and controls solutions that simply work amid challenges of a heavy-industrial environment.

Let your lighting solutions work in your favor.

Benefits of an Optimized Heavy-Industrial Facility

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

The ideal lighting for heavy-industrial use can provide many years of efficient, virtually maintenance-free service and can pay for itself over a short time. The optimization starts with advanced LED luminaires that save energy and substantially minimize maintenance, particularly in difficult, hard-to-reach locations. 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 applications and maximize your investment returns.

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



Lighting Reminders

- On average, LED lighting technology alone can save you 60% in energy costs over traditional lighting technology
- In heavy-industrial settings especially, eliminating maintenance calls by switching to LED lighting results in meaningful cost-savings
- Glass refractors can face harsh elements in your industrial facility and still not fade, discolor or otherwise degrade

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	\$49,051 \$199,049	1.8 Yearly Payback / 55% IRR	S OE F
	Replace with: LED High Bay Luminaire with Occupancy Sensor	\$86,406 \$161,694	2.1 Yearly Payback / 47% IRR	S OE
	Replace with: LED High Bay Luminaire Only	\$115,092 \$133,008	2.4 Yearly Payback / 40% IRR	S
	Existing Lighting: 1000W Pulse Start Metal Halide High Bay Luminaire	\$248,100 (energy & maintenance)		

Operating Cost Savings

*Figures are based on conversion from existing 1080W pulse start metal halide luminaires to new 511W Phuzion PHZL 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 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 Heavy-Industrial facility



Lighting that saves you money – LED Luminares for Heavy-Industrial



S

The Phuzion™ PHZL LED high bay is your single LED replacement for up to 1000W HID delivering consistent light levels well beyond traditional lighting and more light at higher temperatures than other LED high bays.

- Saves up to 60% in energy over traditional sources and provides one-for-one replacement of up to 1000W HID
- Unmatched lumen maintenance delivers long lasting, consistent illumination over time and reliable light levels at high temperatures

Lighting when you need it – Responsive Occupancy Sensor



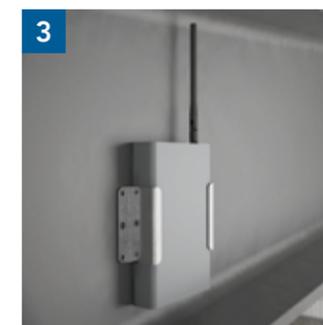
S

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

OE

- Turns off or dims lights 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 heavy-industrial solution with outdoor lighting.

Your employee parking. Truck yards. Loading docks and the building's perimeter. Maximize lighting quality and support safety and security for all of these spaces while minimizing your total cost of lighting ownership with our advanced outdoor lighting and controls technology.



Acuity Brands solutions for every area, every need.



Area Lighting

Holophane® Mongoose® LED roadway and area luminaires are the ultimate in application flexibility and low operational costs.



- Features multiple lighting distributions and mounting options, plus fixture-tilt capabilities to 45°
- Replaces 150-1000W HIIID

Floodlighting

Holophane® Predator® LED floodlight luminaires provide optimized thermal management for maximum performance, long life, and reliability.



- Segmented internal reflector design provides superior field-to-beam ratios, uniformity, and spacing
- Two models replace 100W-400W or 400W-1000W HID

Wall-Mounted Lighting

Holophane® Wallpack® LED W4GLED with a prismatic glass lens gives you excellent lighting control and uniformity while minimizing light trespass and glare.



- Provides energy savings of up to 77% over comparable metal halide luminaires
- Replaces 175-400W metal halide

High Bay/Low Bay Lighting

In addition to high mounting heights, we have additional choices for high bay and low bay applications, 8 to 45+ feet.

- The Phuzion™ PHZ LED high bay luminaire combines the latest in LED technology with legendary Holophane prismatic glass for exceptional light output and long life in high ambient temperatures.
- Rated for hazardous and wet-location environments, Holophane® Petrolux® LED low bay luminaires deliver superior lighting distribution to minimize the number of luminaires needed in spaces where dust, dirt and moisture are a concern.



Hazardous-Condition Lighting

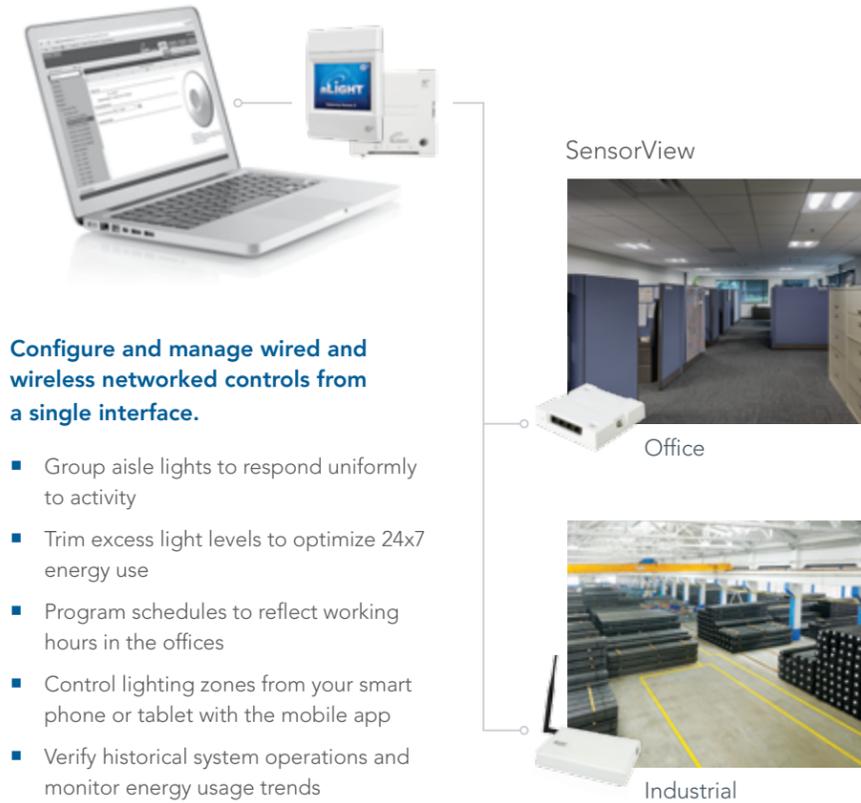
Choosing the right lighting solutions is critical in areas exposed to flammable gases or vapors, flammable liquids, combustible dust and/or ignitable fibers.

- Holophane® HRL explosion-proof LED luminaires for hazardous environments replace HID lighting sources and feature versatile mounting options.
- Holophane® HXPL explosion-proof LED luminaires for hazardous environments replace fluorescent lighting sources and feature versatile mounting options.



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.



Task Lighting

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



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 Holophane® Magellan® QM LED provides long (up to 10 years) maintenance-free life, reducing total cost of ownership.

Complete your experience with additional Holophane and Acuity Brands services and tools.

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 Holophane.com/Industrial-Heavy















Expanding the boundaries of lighting™

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