



ORION WILL CHANGE THE WAY YOU
THINK ABOUT A LIGHTING COMPANY.

CASE STUDY

FOOD PROCESSING

We recognize that energy savings are important to you, but we also know that your lights have to deliver light where you need it most. Working with many of your industry peers, we have developed a suite of products that maximize lights levels both on the floor and on your storage racks. This ensures that your team has enough light to operate safely in the aisles and to pick items off the racks with greater accuracy.

WHY ORION

From the very first handshake to the final fixture installed, our energy is the difference we bring to every retrofit. Ingenuity guides us to new solutions. Dedication helps you at every step. And our products illuminate your world in ways you might not have imagined.



LOWER COST INSTALL

- Modular, plug and play design
- Lower overall labor costs
- Install more fixtures in less time



2-3 WEEK SHIP

- Quick ship, 10 days
- Overnight shipment of additional materials



CLEAN JOB-SITE MANAGEMENT

- Fixtures in trays
- Packaging doubles for recycling
- No need for a dumpster
- Debris-free install



TRUSTED AMERICAN PARTNER

- Clear warranties with excellent coverage
- Quality manufacturing base with domestic and international partners
- 40 years retrofit experience

VISION

Orion will change the way you think about a commercial and industrial lighting company. Full service offerings, friendly and competent staff, an unexpected customer experience, and the best performance around; giving you a solution that will make you a hero in your organization.

MISSION

Lead the transformation of commercial and industrial facilities to solid state LED lighting technology and drive financial, environmental, and workspace benefits, while dominating the building retrofit market by providing more profit for the installer and more value for the end user.

VALUE

ALLY IN ACCOUNTABILITY

EXPERTISE

Our relationships go beyond shipping you the latest fixture. Your goals become our goals, which means we share responsibility to help you keep your promises and make your project successful.

PRACTICAL INGENUITY

PRODUCT

When you've been on the job site or up on the lift, you build in-the-trenches know-how. That expertise inspires more creative products that maximize real-world performance for your lighting investment.

UNCOMMON DEDICATION

SERVICE

Our customers tell us we have more capable teams that deliver results, not just on paper, but in the day-to-day work of the people we serve. Some say it's our Midwestern roots; we think it's our energy.

orion | Market Overview – Food Processing

LIGHTING SUITES DESIGNED TO REDUCE COSTS AND IMPROVE QUALITY.

OVERVIEW

Your food and beverage facility has unique lighting requirements that are not applicable to most other manufacturing facilities. One single fixture type will not be able to meet your facility needs, and Orion understands this. We have developed a suite of products designed to meet the specialized needs of food processing facilities.

PROJECT BENEFITS

- A family of durable products that meet the unique requirements that food processing facilities face (i.e. AID, NSF, NEMA, OSHA, etc.)
- Improved quality assurance by allowing your team to identify and address production errors earlier in the process.
- Industry leading fixture performance that allows you to efficiently meet your facility's lighting requirements.
- Reduced operating costs by reducing your energy consumption and usage.
- Reduced maintenance costs with some of the longest lasting fixtures on the market.
- Spend less time repairing fixtures and replacing burnt out lamps.
- Reduced OSHA/waste concerns by eliminating need for fluorescent lamp disposal.
- Reduced installation fees and facility disruption with fixtures that are lightweight and easy to install.
- Improved worker productivity, performance and morale by improving lighting.
- Optimized performance by integrating your fixtures with most commercially available control technologies.



The following map shows Orion's Food Processing projects in the contiguous United States.



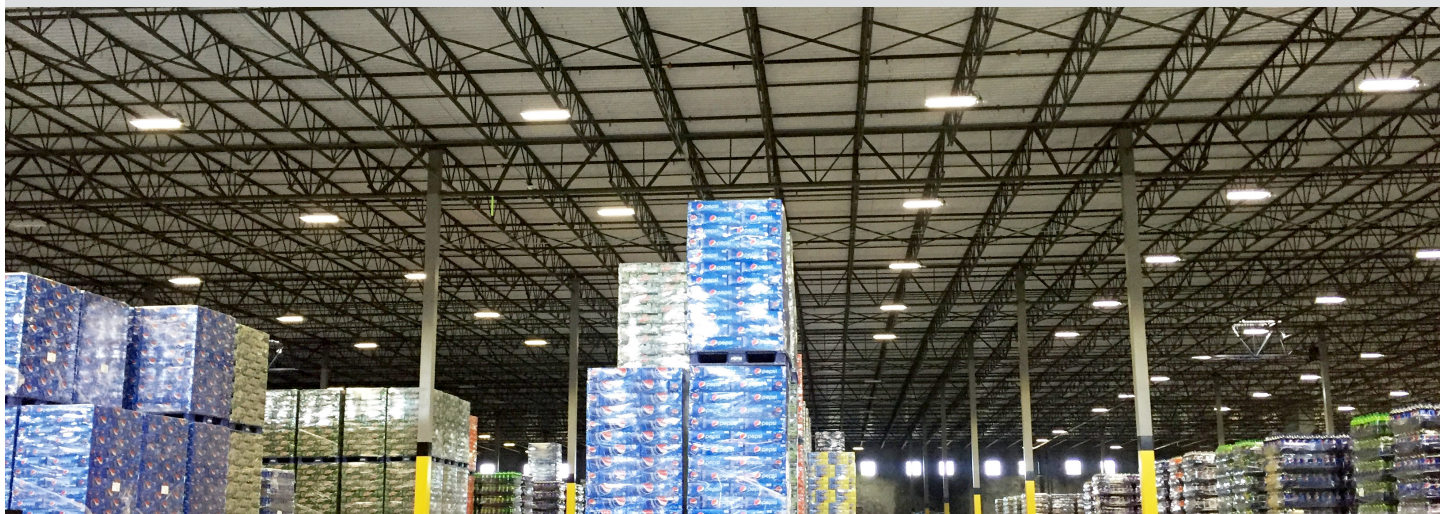


Food Processing

150+ employees

Harrisburg, NC

pepsibottlingventures.com



AFTER

“When our managers leave their older facilities and step in this warehouse, they say ‘wow.’ When we explain the energy savings they are really impressed. Not only does the system look good, it is also saving the facility money.”

Donnie Stepps,
Engineer
Pepsi Bottling Ventures

Pepsi Bottling Ventures (PBV) is the largest privately-held bottler for Pepsi-Cola products in North America – manufacturing, selling, and distributing some of the world’s most recognized consumer brands. PBV is a privately-held company, operating 20 bottling and distribution facilities, serving consumers in North Carolina, South Carolina, Virginia, Maryland, and Delaware. Corporate offices are located in Raleigh, North Carolina.

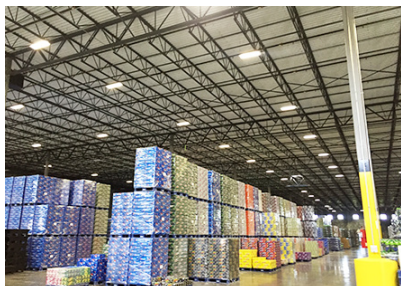
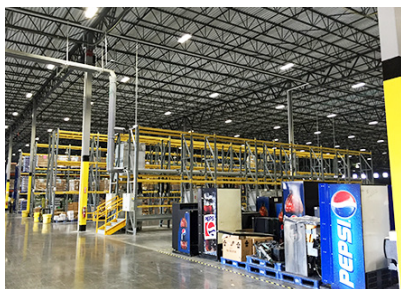
CHALLENGE

“We wanted to find the most efficient fixture we could get to support our sustainability program, but the fixture itself had to meet food and beverage facility requirements,” Donnie Stepps, project engineer at Pepsi Bottling Ventures (PBV), explained as one of the key challenges facing new construction projects. Pepsi Bottling Ventures had to find fixtures that allowed them to meet both their corporate goals/mandates and the operational requirements of their facility. As PBV began development of their new \$12.5 million, 200,000 square foot sales and distribution center in Harrisburg, North Carolina, they began looking for manufacturers whom they believed had products that would meet the operational and performance needs of their facility while still consuming less energy than the legacy lighting systems they were using at other facilities.

SOLUTION

“The fixture market was changing so rapidly and there were a lot of people selling LEDs,” Stepps added. “We wanted to make sure we bought the right fixture.” Faced with the challenge of choosing from a rapidly expanding LED fixture market, PBV elected to test a number of lighting fixture options in some of their existing buildings, which gave them the opportunity to see how they would perform in the new Harrisburg, NC building. After a significant search and review process, Pepsi Bottling Ventures selected approximately 300 of Orion’s ISON™ LED High Bay Cold Environment (LEDE) fixtures.

Pepsi Bottling Ventures selected the Orion fixture for a number of reasons. Having previously retrofitted other PBV facilities with Orion’s fixtures, the company knew that Orion’s products would meet their warehouse lighting performance and operational requirements. Moreover, since Orion’s products can be specifically configured for



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Donnie Stepps,
Engineer
Pepsi Bottling Ventures

PRODUCTS USED

ISON™ LED High Bay Cold
Environment | LEDE

warehouse facilities, they would deliver the light distribution the PBV's staff needed in their Harrisburg, NC facility. PBV also selected Orion because of Orion's fixture design and durability and because the Orion fixtures are easy to clean and maintain.

Orion was also selected because it was able to meet the delivery lead times that Pepsi Bottling Ventures needed to complete their project on time. Due to its focus on manufacturing flexibility and by working with local suppliers, Orion has some of the fastest delivery times in the industry, typically within five to ten business days of receiving a customer's order. In fact, Orion's history of on-time delivery set Orion apart from the competition because Orion was the only supplier who could meet Pepsi Bottling Venture's on-site requirements for the fixtures.

Pepsi Bottling Ventures also chose Orion because Orion's patented fixture designs deliver some of the highest light levels in the market without overdriving the LED components. This meant Pepsi Bottling Ventures was able to maximize the light in their facility without sacrificing the life of the fixture. Orion also provided Pepsi Bottling Ventures engineering information, technical support, photometric designs, and control system design assistance during the project's preliminary stages, which was one of the most important reasons Orion was selected for the project. As Stepps explained, "Orion was very helpful when we were determining who to place an order with, and that was one of the key reasons we chose Orion. They may not have been the cheapest option but Orion provided the most overall value."

RESULT

Since the 200,000 square-foot Pepsi Bottling Ventures facility was built in Harrisburg, North Carolina, PBV has been measuring the project's performance differently than a traditional retrofit project. The consumption of the Orion LED fixtures had to be compared against the legacy lighting systems in the company's other buildings. According to Pepsi Bottling Venture's internal assessments, the lighting system is meeting the performance expected by the project calculations. Moreover, due to the use of the motion control units that were installed with Orion fixtures, Pepsi Bottling Ventures is seeing a 30% reduction in their system operating hours, as fixtures shut off when the areas they illuminate are not in use. Finally, Pepsi Bottling Ventures measured the foot-candle performance of the Orion LED fixtures and they are meeting or exceeding the light levels predicted by the photometric analysis that Pepsi Bottling Ventures completed while choosing their lighting system.

In addition to the technical measures of performance, Pepsi has seen a number of more personal measures of the lighting project's success. The installation went smoothly and the installer noted that because of Orion's plug and play options and mounting hardware, the fixtures were easy to install. The employees in the facility are noticing that the light is distributed more evenly throughout the facility and the consistency of the light levels is decreasing shadows throughout the facility. Finally, even Pepsi Bottling Ventures management has noticed the difference between the lights in their older buildings and the lights in the Harrisburg facility. "When our managers leave their older facilities and step in this warehouse, they go 'wow,'" Stepps explained. "When we explain the energy savings, they are really impressed. Not only does the system look good, it is also saving the facility money."

Orion Introduces Next Generation of LED Industrial Light Fixtures

Published on October 9, 2015 at 4:09 AM

Written by AZoOptics

Oct 9 2015

Orion Energy Systems, Inc., a leading designer and manufacturer of high-performance, energy-efficient retrofit lighting platforms, today announced its next generation of Orion LED industrial light fixtures, now the highest-performing high bay suite in the market.



Orion's patent-pending ISON™ LED High Bay sets a new standard for industrial lighting fixtures, delivering best in class performance at up to 179 lumens per watt and lowest 10-year total cost of ownership.

The patent-pending ISON™ LED High Bay sets a new standard, delivering best in class performance at up to 179 lumens per watt and lowest 10-year total cost of ownership. The APOLLO® LED High Bay offers a large variety of options and up to 148 lumens per watt. For high performance in cost-conscious applications, the HARRIS LED High Bay also delivers up to 148 lumens per watt and the lowest up front cost in the suite.

This launch also introduces a new, modular lighting platform with hundreds of options that plug and play with standard electrical connections. The fixtures are upgradeable and interchangeable, allowing maintenance crews to meet changing light distribution requirements, such as moving from an open area to aisle lighting, or from high bay to low bay or even retail applications by adding a lens. By simply turning off the power to the luminaire, internal teams can use quick attachments to easily switch out the light

engine panels.

Other features include:

- Groundbreaking thermal management that reduces the operating temperature to enhance the performance.
- High-performing LED chips and drivers paired with cooler operating luminaires for peak performance.
- Superior fixture designs for maximum light output deliver light where it is most needed.
- Lightweight body to reduce ceiling grid load, install faster with less impact on facility operations, and ship in less packaging to streamline installation.
- Greater potential for wattage reduction rebates, since these products have higher wattage savings than competitive offerings. The savings will particularly benefit facilities in states with high electric rates including California, Hawaii, Massachusetts, New Jersey, and New York.

In 2001, the company's original industrial fixtures made waves earning numerous patents, awards, and the trust of thousands of facilities, including almost half of the Fortune 500, for its fast payback. Today a typical facility installing the ISON™ LED High Bay would save over \$100,000 a year, and over \$1.15 million in the next decade over the legacy, inefficient lighting found in the majority of industrial applications.

“Orion’s latest products build on the upgradeability we designed into prior generations over our twenty-year history in industrial illumination. It demonstrates Orion’s commitment to our customers’ capital dollars as the only lighting company that provides a built-in upgrade path. Technology will inevitably evolve and having a modular platform will save them money,” said John Scribante, Chief Executive Officer of Orion Energy Systems. “With this launch we not only best the competition in lumens per watt and unprecedented performance backed by an energy savings guarantee, we also expand the horizon of what can be achieved with LED technology today, creating a new, upgradeable platform for how light will be delivered tomorrow.”

Source: <http://www.orionlighting.com/>

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Orion Introduces High-Performing High Bays

October 12, 2015 By [Karen Henry](#)[Orion Energy Systems](#)

3

has introduced a new suite of high bay LED industrial light fixtures. The ISON LED High Bay delivers 179 lumens per watt and a 10-year total cost of ownership. The APOLLO LED High Bay offers up to 148 lumens per watt, and the HARRIS LED High Bay also delivers up to 148 lumens per watt and the lowest up-front cost in the suite.

The fixtures are upgradeable and interchangeable, allowing maintenance crews to

meet changing light distribution requirements, such as moving from an open area to aisle lighting, or from high bay to low bay or even retail applications by adding a lens. Internal teams can use quick attachments to switch out the light engine panels by turning off the power to the luminaire.

Other features include:

- Thermal management.
- High-performing LED chips and drivers paired with cooler operating luminaires.
- Fixture designs that allow for maximum light output.
- Lightweight body.
- Greater potential for wattage reduction rebates.

According to the company, a typical facility installing the ISON LED High Bay would save more than \$100,000 a year and more than \$1.15 million in the next decade over the majority of legacy lighting systems.

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District Court Dismisses \$50M Class Action vs. Starion Energy

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Videos

Orion Lighting Selected by One of North America's Largest Packaged Food Companies for New Food Processing Facility

 www.businesswire.com/news/home/20160105005976/en/Orion-Lighting-Selected-North-America%E2%80%99s-Largest-Packaged

MANITOWOC, Wis.--(BUSINESS WIRE)--**Orion Energy Systems, Inc. (NASDAQ: OESX)**, a leading designer and manufacturer of high-performance, energy-efficient retrofit lighting platforms, today announced a Fortune 500 packaged food company selected Orion fixtures for its new multimillion-dollar production line expansion in Waterloo, Iowa.

Working with one of its Midwest channel partners, Orion unseated an incumbent global lighting manufacturer to win the project. To date, Orion has completed projects with nearly 90% of the Top 25 food and beverage brands in North America, including lighting upgrades and new construction projects at over 800 locations in the US. This project marks the sixth facility with this particular packaged food brand, including sites in California, Louisiana, Michigan, New Jersey and now Iowa.

Orion was selected because of the industry leading performance of its LED lighting products, quality of service, including less than two-week lead times, and modularity of its product designs, which reduces ownership risk. The project will include the installation of the new **APOLLO® LED High Bay**, **APOLLO® LED Recessed Troffer**, and the **HARRIS VaporTight**, with modular sensors and controls.

The APOLLO® High Bay, the mid tier offering in **Orion's latest LED High Bay Suite**, sets a new standard for performance in its class with up to 152 lumens per watt and an unprecedented modular platform. The fixture is upgradeable and interchangeable, allowing maintenance crews to meet changing light distribution requirements, such as moving from an open area to aisle lighting. By simply turning off the power to the luminaire, internal teams can use quick attachments to easily switch out aisle illuminators and modular power packs for driver replacement.

"Orion is very much embedded in the food and beverage industry; from production, processing, bottling, freezers and cold docks, to ambient warehouse storage and distribution. These companies continue to choose Orion for our depth of experience in their industry as reflected by Orion receiving supplier of the year recognitions from many of these companies in the past," said John Scribante, Chief Executive Officer of Orion Energy Systems. "The performance and modularity of our fixtures give leaders in the food industry security in selecting a lighting platform that is more energy-efficient and costs less to operate, but also future-proof and risk mitigating, allowing them to swap out components more easily to upgrade as their business evolves over time."

About Orion Energy Systems

Orion is leading the transformation of commercial and industrial buildings with state-of-the-art energy efficient lighting systems and retrofit lighting solutions. Orion manufactures and markets a cutting edge portfolio of products encompassing LED Solid-State Lighting and high intensity fluorescent lighting. Many of Orion's 100+ granted patents and pending patent applications relate to lighting systems that provide exceptional optical and thermal performance, which drive financial, environmental, and work-space benefits for a wide variety of customers in the retrofit markets.

orion | Case Studies – Food Processing



Red Diamond

Birmingham, AL

Replaced legacy lighting system consisting of metal halide fixtures with Orion's LED High Bay fixtures.

Project Metrics

Annual Cost Savings	\$3,320
Annual Kilowatt Hour Reduction	33,196
Load Reduction	7.6 kW
Annual Carbon Dioxide Reduction	20.4 Tons

"I am impressed by the amount of light that reaches to the floor. With each fixture nearly 40 ft high there is no loss of lumens to the floor. These fixtures are easy to wire and hang and they have the plug on back for quick disconnect for future replacements or repairs. The motion sensor works well from 35 ft high."

– Matt Curtis

Assistant Vice President and Plant Supervisor



Before



After



Tennessee Bun Company

Nashville, TN

Replaced legacy lighting system consisting of metal halide fixtures with Orion's LED Cold Storage fixtures.

Project Metrics

Annual Cost Savings	\$25,765
Annual Kilowatt Hour Reduction	257,649
Load Reduction	29.4 kW
Annual Carbon Dioxide Reduction	159 Tons



Before



After



MillerCoors Milwaukee, WI

Project Scope

Replace legacy lighting system consisting of High Pressure Sodium, Metal Halide and T12 Fluorescent fixtures with Orion's T8 Fluorescent Compact Modular High Bay, Conversion Kit and Retrofit Kit fixtures with Apollo® Solar Light Pipes and Intelite® energy management and standard motion/ambient control technologies.

Project Economics

Displaced Energy:	2,122,751 kWh
Displaced Capacity:	197 kW
Annual Cost Reduction:	\$127,365
Light Level Improvement:	N/A

Environmental Impact

Carbon Dioxide Emissions Displaced:	1,372 tons/year
Acres of Trees Planted (Equivalency):	389 Acres



Before



After

Anheuser Busch Independent Distributors Mattoon, IL Ronchetti Distributing

Project Scope

Replace legacy lighting system which consists of High Intensity Discharge fixtures with Orion's T8 Fluorescent Compact Modular High Bay fixtures.

Project Economics

Displaced Energy:	26,331 kWh
Displaced Capacity:	9.9 kW
Annual Cost Reduction:	\$1,835
Light Level Improvement:	N/A

Environmental Impact

Carbon Dioxide Emissions Displaced:	17 tons/year
Acres of Trees Planted (Equivalency):	5 Acres



Before



After



Coca-Cola Refreshments USA, Inc. Norfolk, VA

Project Scope

Replace legacy lighting system consisting of Metal Halide fixtures with Orion's T8 Fluorescent Compact Modular High Bay fixtures with standard motion controls.

Project Economics

Displaced Energy:	500,309 kWh
Displaced Capacity:	28.9 kW
Annual Cost Reduction:	\$38,523
Light Level Improvement:	N/A

Environmental Impact

Carbon Dioxide Emissions Displaced:	323 tons/year
Acres of Trees Planted (Equivalency):	92 Acres



Before



After



PepsiCo Munster, IN

Project Scope

Redesign and replace legacy lighting system consisting of T12 Fluorescent fixtures with Orion's T8 Fluorescent Compact Modular High Bay fixtures.

Project Economics

Displaced Energy:	384,969 kWh
Displaced Capacity:	44.1 kW
Annual Cost Reduction:	\$23,098
Light Level Improvement:	N/A

Environmental Impact

Carbon Dioxide Emissions Displaced:	249 tons/year
Acres of Trees Planted (Equivalency):	71 Acres



Before



After



Kraft Foods Global, Inc. Granite City, IL

Project Scope

Replace exterior lighting system consisting of High Intensity Discharge fixtures with Orion's T5 Fluorescent Exterior fixtures.

Project Economics

Displaced Energy:	157,501 kWh
Displaced Capacity:	33.19 kW
Annual Cost Reduction:	\$9,450
Light Level Improvement:	N/A

Environmental Impact

Carbon Dioxide Emissions Displaced:	102 tons/year
Acres of Trees Planted (Equivalency):	29 Acres



Before



After



Windsor Foods

Lampasas, TX

Replaced legacy lighting system consisting of metal halide fixtures and T12's with Orion's T8 6 lamp fluorescent Compact Modular fixtures.

Project Metrics

Annual Cost Savings	\$84,985
Annual Kilowatt Hour Reduction	804,795
Load Reduction	119 kW
Annual Carbon Dioxide Reduction	489 Tons



Before



After



Before



After



Gorant Chocolatier, LLC Youngstown, OH

Project Scope

Replace legacy lighting system consisting of High Intensity Discharge fixtures and T12 Fluorescent fixtures with Orion's T8 Fluorescent Compact Modular High Bay fixtures, Compact Modular Low Bay fixtures, Sealed Fixtures, and Retrofit Kit fixtures with standard motion control technology.

Project Economics

Displaced Energy:	304,298 kWh
Displaced Capacity:	72.4 kW
Annual Cost Reduction:	\$23,126
Light Level Improvement:	24.3% (45.8 to 56.9 avg. fc)

Environmental Impact

Carbon Dioxide Emissions Displaced: 185 tons/year
Acres of Trees Planted (Equivalency): 56 Acres



Before – 45.8 Average Foot-candles



After – 56.9 Average Foot-candles



Puratos Chocolate USA, Inc. Kenosha, WI

Project Scope

Replace legacy lighting system consisting of High Intensity Discharge fixtures with Orion's T8 Fluorescent Compact Modular High Bay fixtures.

Project Economics

Displaced Energy:	179,398 kWh
Displaced Capacity:	21 kW
Annual Cost Reduction:	\$13,275
Light Level Improvement:	N/A

Environmental Impact

Carbon Dioxide Emissions Displaced: 116 tons/year
Acres of Trees Planted (Equivalency): 33 Acres



Before



After



Carlton Foods

New Branfels, TX

Replaced legacy lighting system consisting of metal halide fixtures and T12's with Orion's T8 fluorescent Surface Mount and Sealed Food fixtures.

Project Metrics

Annual Cost Savings	\$4,288
Annual Kilowatt Hour Reduction	50,859
Load Reduction	10 kW
Annual Carbon Dioxide Reduction	31 Tons



Before



After



Dishaka

Houston, TX

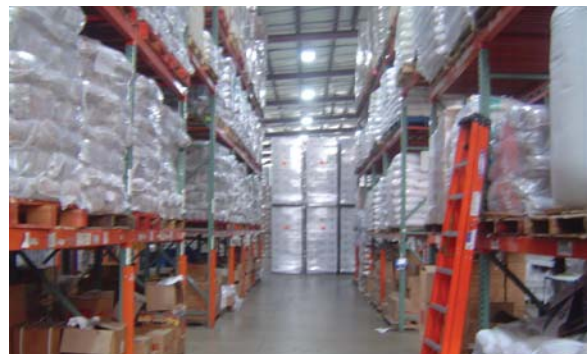
Replaced legacy lighting system consisting of metal halide fixtures and T12 Office Troffers with Orion's T8 Full Range and Step Dimming fluorescent Compact Modular fixtures and retrofit kits.

Project Metrics

Annual Cost Savings	\$16,396
Annual Kilowatt Hour Reduction	\$204,703
Load Reduction	32.2 kW
Annual Carbon Dioxide Reduction	125 Tons



Before



After

orion | Market Overview – Food Processing

As of March 31, 2017, Orion has completed over 4,800 projects nearly 3,300 customers in the Manufacturing and Industrial market. The following table shows manufacturing customers who have retrofitted at least three of their facilities.

Customer	Site Count	Customer	Site Count
Coca-Cola	417	Ralcorp Brenner, Inc.	5
PepsiCo/Frito-Lay	182	Dr. Pepper-Snapple Group	4
Kraft/Mondelez/Heinz	112	Great Lakes Wine & Spirits	4
Anheuser-Busch/ABID	108	HC Brill Co., Inc.	4
Nestle S.A.	33	Pentair	4
MillerCoors/MCID	18	The PictSweet Company	4
Dr. Pepper Snapple Group	17	Dean Foods	3
General Mills, Inc.	11	Goya Foods	3
Tyson/Hillshire Brands/Sara Lee	8	Johnson Brothers Wholesale Liquor	3
Del Monte Foods	7	Koch Foods	3
Archer Daniels Midland	6	Land O'Lakes	3
Belgioioso Cheese	6	Ocean Spray	3
Davisco Foods International	6	Republic National Distributing	3
ConAgra Foods	5	Schulze and Burch Biscuit Company	3

orion | Featured Products – ISON™

ISON™ LED HIGH BAY GENERATION III | HBIF3

- Future-proof modular design allows for ease of field maintenance and is upgradeable for performance enhancements.
- Superior thermal management leads to longer life and enhanced performance.
- Intelligent control options offered to gain additional energy savings.
- LED panel allows interchangeability between open or aisle light distribution.
- Lens options: Acrylic frosted lens that provides glare control to enhance low bay applications. Also available in a polycarbonate clear lens for dusty environments.
- Emergency fixture identifier option available.
- Voltage: 120-277, 347, and 480v
- Rated Life: 150,000 hours
- Ten Year Limited Warranty



ISON™ LED HIGH BAY, GENERATION II | HBIF2

- Future-proof modular design allows for ease of field maintenance and is upgradeable for performance enhancements.
- Superior thermal management leads to longer life and enhanced performance.
- Intelligent control options offered to maximize additional energy savings.
- LED panel allows interchangeability between open or aisle light distribution.
- Lens options: Acrylic frosted lens that provides glare control to enhance low bay applications. Also available in a polycarbonate clear lens for dusty environments.
- Optional Orange painted end caps for high visibility of emergency circuits and battery back-up fixtures
- Voltage: 120-277, 347, and 480v
- Rated Life: 150,000 hours
- Ten Year Limited Warranty



ISON™ LED HIGH BAY HIGH LUMEN

- Unique modular design allows for ease of field maintenance and is upgradeable for performance enhancements.
- Superior thermal management leads to longer life and enhanced performance.
- LED panel allows interchangeability between open or aisle light distribution.
- Various control options offered up to 40' ceiling heights for additional energy savings.
- Optional Orange painted end caps for high visibility of emergency circuits and battery back-up fixtures
- Voltage: 120-277, 347, and 480v
- Rated Life: 150,000 hours
- Ten Year Limited Warranty



ISON™ RETROFIT MODULAR | LDRM

- The industry's first patented LED troffer retrofit contained within the door frame that retrofits existing 2'x2' and 2'x4' fluorescent troffers to LED and can be installed in under two minutes with minimal disruption to the workplace.
- Integrated, intelligent control options that measure ambient temperature and brightness, distributing an aesthetically pleasing showcase specific to the needs of individual environments.
- Patent pending modular light engine allows for color temperature and light output upgrades in the field.
- Future-proof, interchangeable design delivers the benefits of replaceable LED lamps or tubes without the performance and safety risks.
- Matte finish, acrylic contour lens diffuses glare in the work environment.



orion | Featured Products – ISON™

- Aluminum frame with powder coat white finish.
- Multiple bracket options to fit specific application requirements.
- Available in 120-277v.
- Rated Life: 125,000 Hours.
- Ten Year Limited Warranty

ISON™ RETROFIT MODULAR HEALTHCARE | LDRMH

- First to market LED troffer retrofit with Britex™, Orion's proprietary white coating that includes antimicrobial properties, which suppresses the growth of microorganisms and limit the transmission of harmful microbes in healthcare applications.
- The industry's first patented LED troffer retrofit contained within the door frame that retrofits existing 2'x2' and 2'x4' fluorescent troffers to LED and can be installed in under two minutes with minimal disruption to the workplace.
- Integrated, intelligent control options that measure ambient temperature and brightness, distributing an aesthetically pleasing showcase specific to the needs of individual environments.
- Patent pending modular light engine allows for color temperature and light output upgrades in the field.
- Future-proof, interchangeable design delivers the benefits of replaceable LED lamps or tubes without the performance and safety risks.
- Matte finish, acrylic contour lens diffuses glare in the work environment.
- Unique mounting brackets allow the LDR® to fit nearly all existing troffers.
- Available in 120-277v.
- Rated Life: 125,000 Hours.
- Ten Year Limited Warranty.



ISON™ RETROFIT MODULAR GOURMET | LDRMG

- First to market LED troffer retrofit with Britex™, Orion's proprietary white coating that includes antimicrobial properties, which can suppress the growth of microorganisms and limit the transmission of harmful microbes in food display and preparation applications.
- The industry's first patented LED troffer retrofit contained within the door frame that retrofits existing 2'x2' and 2'x4' fluorescent troffers to LED and can be installed in under two minutes with minimal disruption to the workplace.
- Integrated, intelligent control options that measure ambient temperature and brightness, distributing an aesthetically pleasing showcase specific to the needs of individual environments.
- Patent pending modular light engine allows for color temperature and light output upgrades in the field.
- Future-proof, interchangeable design delivers the benefits of replaceable LED lamps or tubes without the performance and safety risks.
- Matte finish, acrylic contour lens diffuses glare in the work environment.
- Unique mounting brackets allow the LDR® to fit nearly all existing troffers.
- Available in 120-277v.
- Rated Life: 125,000 Hours.
- Ten Year Limited Warranty.



APOLLO® LED HIGH BAY, GENERATION III | HBAC3

- Designed to exceed high and low bay illumination requirements for industrial, commercial, and retail applications.
- Unique modular design allows for easy field maintenance and performance enhancement upgrades.
- Superior thermal management leads to longer life and enhanced performance.
- Intelligent control options offered to achieve additional energy savings or to solve other business challenges like heating and cooling variances, space utilization inefficiencies and more.
- Designed to connect wirelessly to the IoT, and compatible with leading wireless protocols.
- Optional acrylic frosted lens available to reduce glare and enhance low bay applications.
- Aluminum powder coated body for superior thermal management.
- Available in 120-277v, 347v and 480v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



APOLLO® LED HIGH BAY, GENERATION II | HBAC2

- Designed to exceed high and low bay illumination requirements for industrial, commercial, and retail applications.
- Unique modular design allows for ease of field maintenance and is upgradeable for performance enhancements.
- Superior thermal management leads to longer life and enhanced performance. Intelligent control options offered to achieve additional energy savings. Optional glare control lens system to enhance low bay applications.
- Aluminum powdered coated body for thermal management.
- Tandem accessories for double the light output utilizing two fixtures.
- Available in 120-277v, 347v and 480v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



APOLLO® HIGH LUMEN HIGH BAY | ALHB1

- Designed to meet high bay and low bay illumination requirements for industrial, warehouse, manufacturing, commercial, wholesale, and retail applications.
- Aluminum powder coated frame for superior thermal management.
- Optional acrylic frosted lens available to reduce glare and enhance low bay applications.
- Multiple mounting methods for ease of installation in various environments.
- Unique modular design allows for easy field maintenance and performance enhancement upgrades.
- Available in 120-277v, 347v and 480v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



APOLLO® HIGH BAY PLUS | ALHB1

- Ideal for interior applications including retail, commercial, distribution and industrial facilities.
- Aluminum powder coated frame for superior thermal management.
- Optional acrylic frosted lens available to reduce glare and enhance low bay applications.
- Multiple mounting methods for easy installation in various environments.
- Unique modular design allows for easy field maintenance and performance enhancement upgrades.
- Available in 120-277v, 347v and 480v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



orion | Featured Products – APOLLO®

APOLLO® LED VAPORTIGHT NARROW BODY SERIES | VTON1

- Ideal for commercial kitchens, breweries, under awnings, laundries, car washes, utility tunnels, and livestock containment buildings where the application requires a waterproof and/or dust proof fixture
- Bi-level, dual circuit option allows for high and low lumen light levels for safety
- UL Listed for Wet Locations.
- IP67 Certified.
- High pressure wash-down up to 1500 PSI.
- TVSS and Wet Location sensor options available
- Voltage: 120-277v
- Rated Life: 125,000 hours
- Five Year Limited Warranty.



APOLLO® LED VAPORTIGHT WIDE BODY SERIES | VTOD1

- Ideal for commercial kitchens, breweries, under awnings, car washes, utility tunnels, and livestock containment buildings where the application requires a waterproof and/or dust proof fixture
- Bi-level, dual circuit option allows for high and low lumen light levels for safety
- UL Listed for Wet Locations.
- IP67 Certified.
- High pressure washdown up to 1500 PSI.
- TVSS and Wet Location sensor options available
- Voltage: 120-277v
- Rated Life: 125,000 hours
- Five Year Limited Warranty.



APOLLO® NARROW BODY VAPORTIGHT-NSF | VTON1-NSF

- Designed for demanding environments that require a watertight seal such as food-processing facilities, milking parlor, wash down applications and cooler/freezer environments.
- NSF/ANSI Standard 2, Non Food Zone and Splash Zone Certified.
- Available in 4' and 8'.
- Bi-level, dual circuit allows for high and low lumen light levels in one fixture.
- Acrylic, impact resistant, linear ribbed frosted lens.
- Durable, lightweight, white UL 5VA reinforced fiberglass body.
- Stainless steel 316 Marine Grade latches with stainless steel mounting brackets come standard with fixture.
- UL Listed for Wet Locations.
- IP67 Certified.
- High pressure washdown up to 1500 PSI.
- Available in 120-277v.
- Rated Life: 125,000 hours.
- Five Year Limited Warranty.



APOLLO® WIDE BODY VAPORTIGHT-NSF | VTOD1-NSF

- Designed for demanding environments that require a watertight seal such as food-processing facilities, milking parlor, wash down applications and cooler/freezer environments.
- NSF/ANSI Standard 2, Non Food Zone and Splash Zone Certified.
- Offered in both 2' and 4' lengths
- Stainless steel 316 Marine Grade latches with stainless steel mounting brackets come standard with fixture
- Durable, lightweight, white, UL 5VA (f1) reinforced fiberglass body
- Acrylic, impact resistant, shallow ribbed frosted lens.
- Available in 120-277v, 347v and 480v.
- Rated Life: 125,000 hours.
- Five Year Limited Warranty.



APOLLO® WET LISTED ENCLOSURE, GENERATION II | WTLED2

- Designed for demanding interior environments that require a wet-rated or enclosed and gasket fixture.
- UL Listed for Wet Locations
- IP65 Certified
- Sealed and gasketed powder coated aluminum body and lens frame.
- Bi-level, dual circuit option allows for high and low lumen light levels for safety
- All zinc plated hardware.
- Clear acrylic lens.
- Available in bronze or granite thermoset powder-coat finish.
- Fixture is impact resistant up to IK04 and is impact resistant with wireguard and sensor guard up to IK10.
- Single or bulk packaging options available to meet job installation needs.
- Available in 120-277V and 480V.
- Rated Life: 100,000 Hours
- Five Year Limited Warranty.



APOLLO® WET LISTED ENCLOSURE

- Designed for demanding interior environments that require a wet-rated or enclosed and gasket fixture.
- UL Listed for Wet Locations
- IP65 Certified
- Sealed and gasketed aluminum body and lens frame.
- All zinc hardware.
- Bronze or Granite thermoset powder-coat options.
- Acrylic clear lens.
- Available in 120-277V and 480V.
- Rated Life: 100,000 Hours
- Five Year Limited Warranty.



APOLLO® TROFFER RETROFIT LDR® F-SERIES CONTOUR | LDRF

- Patented LDR® retrofits existing 2'x2' and 2'x4' fluorescent troffers to LED in as little as two minutes.
- Industry's first LED troffer retrofit contained within the door frame.
- White powder coated, aluminum frame. LDR fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers.
- Required mounting brackets adapt the LDR to fit nearly all existing troffers.
- Matte finish polycarbonate contour lens diffuses glare in the work environment.
- Available in 120-277v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



APOLLO® TROFFER RETROFIT LDR® 1'X4' L-SERIES FLAT | LDRL

- Retrofits existing 1' x 4' fluorescent troffers to LED in as little as two minutes. Industry's first LED troffer retrofit contained within the door frame.
- LDR® fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers.
- Low environmental impact.
- Ultra-light, highly efficient troffer retrofit solution.
- Multiple bracket options to fit specific application requirements.
- Seismic cable kit options that is Title 24 compliant.
- Aluminum frame with proprietary white powder coat finish.
- LDR® fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers.
- Matte finish flat lens diffuses glare in the work environment.
- Integrated intelligent control options.
- Available in 120-277v and 347v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



APOLLO® JETSON RECESSED TROFFER | OLRL F-SERIES

- Designed specifically to maximize rebate and incentive potential for 2'x2' and 2'x4' ceiling grids.
- Aluminum frame with proprietary white powder coating.
- Lightweight lens and enclosed aluminum frame.
- Lift brackets come standard.
- Matte finish contour lens provides glare diffusion in the work environment.
- Available in 120-277v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



APOLLO® LINEAR MULTIPURPOSE | MPAL

- Ideal for low bay, assembly line, strip, surface mount, continuous run or task options in warehouse and retail environments where linear lighting is needed.
- Innovative design allows for a continuous run in four foot increments. Wire harness option provides "quick connect system" between fixtures for labor savings and ease of installation.
- Contour frosted lens or baffle steel louver option reduce glare and spread light evenly.
- White heavy gauge cold rolled steel body.
- Surface mounting comes standard. Suspended mounting option available.
- Battery backup option available.
- Single or bulk packaging available to meet the needs of job installation.
- Available in 120-277v.
- Rated Life: 125,000 Hours.
- Five Year Limited Warranty.



APOLLO® LED SUSPENDED SLIMLINE SERIES | SPTS1

- Versatile slim design lends itself to many low bay, interior lighting applications
- Internal and External Driver options
- Suspended and surface mounting options
- Opaque matte lens aids in distribution of light and reduction of glare
- Voltage: 120-277v
- Rate life: 100,000 hours
- Five Year Limited Warranty.



orion | Featured Products – HARRIS

HARRIS HIGH BAY, GENERATION II | HBHC2

- Designed to meet high and low bay illumination requirements for industrial, commercial, and retail applications.
- Unique, modular design allows for easy field maintenance.
- Various control options offered to achieve additional energy savings or to solve other business challenges like heating and cooling variances, space utilization inefficiencies and more.
- Designed to connect wirelessly to the IoT, and compatible with leading wireless protocols.
- White aluminum painted body comes standard.
- Rigid and suspended mounting options available.
- Optional acrylic frosted lens available to reduce glare and enhance low bay applications.
- Available in 120-277v, 347v, and 480v.
- Rated Life: 100,000 hours.
- Five Year Limited Warranty.



HARRIS LED HIGH BAY | HBHC1

- Designed to meet high and low bay illumination requirements for industrial, commercial, and retail applications.
- Modular power pack is field replaceable for ease of fixture maintenance.
- Various control options offered to achieve additional energy savings.
- Aluminum powder coated body for thermal management.
- Tandem accessories for double the light output.
- Available in 120-277v, 347v, and 480v.
- Rated Life: 100,000 hours.
- Five Year Limited Warranty.



HARRIS TROFFER RETROFIT EDGE | LDRE1

- Retrofits existing 2'x2' and 2'x4' fluorescent troffers to LED. Industry's first patented LED troffer retrofit contained within the door frame with less than a two minute install and with minimal disruption to the workplace.
- Low environmental impact.
- Ultra-light, highly efficient troffer retrofit solution.
- Multiple bracket options to fit various application requirements.
- Seismic cable kit options that is Title 24 compliant.
- Aluminum frame with white powder coat finish.
- LDR® fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers.
- Matte finish, acrylic contour lens diffuses glare in the work environment.
- Integrated intelligent control options.
- Available in 120-277v.
- Rated Life: 100,000 Hours.
- Five Year Limited Warranty.



HARRIS MULTIPURPOSE LINEAR | MPH1

- Designed to replace low bay, assembly line, strip, surface mount, continuous run or task options in warehouse and retail environments where linear lighting is needed.
- Innovative design allows for a continuous run in four foot increments. Wire harness option provides "quick connect system" between fixtures for labor savings and ease of installation.
- White heavy gauge cold rolled steel body.
- Surface mounting comes standard. Suspended mounting option available.
- Battery back-up option.
- Single or bulk packaging available to suit job installation needs.
- Available in 120-277v.
- Rated Life: 100,000 Hours.
- Five Year Limited Warranty.



orion | Featured Products – HARRIS

HARRIS STRIP RETROFIT | SFHR1

- Designed to retrofit existing linear fluorescent strip fixtures to LED in manufacturing, distribution, warehouse, retail application.
- Available in 3', 4' and 8' fixture lengths.
- Battery back-up option available.
- Fixture comes with tethers to hold cover, to allow for one-person installation.
- Optional acrylic matte finish, contoured lens provides glare diffusion in work environment
- Single pack and job pack options available.
- LED light engine is made of lightweight aluminum, pre-coated white finish for better thermal dissipation.
- Retrofit light engine is designed to fit over existing linear fluorescent strip fixture channel with various locations on cover to secure to existing channel.
- Available in 120-277v.
- Rated Life: 100,000 Hours
- Five Year Limited Warranty.



HARRIS STRIP FIXTURE | SFHC1

- Designed for use in areas such as manufacturing, distribution, warehouse, and retail settings.
- Available in 3', 4' and 8' fixture lengths that can connect in tandem to create electrical raceway.
- End mounted sensor available.
- Fixture comes with tethers to hold cover, to allow for one-person installation.
- Single pack and job pack options available
- Optional matte finish, acrylic contour lens provides glare diffusion in task application.
- Available in 120-277v.
- Rated Life: 100,000 Hours
- Five Year Limited Warranty.





ORION WILL CHANGE THE WAY YOU
THINK ABOUT A LIGHTING COMPANY.

WHY ORION

From the very first handshake to the final fixture installed, our energy is the difference we bring to every retrofit. Ingenuity guides us to new solutions. Dedication helps you at every step. And our products illuminate your world in ways you might not have imagined.

ALLY IN ACCOUNTABILITY

Our relationships go beyond shipping you the latest fixture. Your goals become our goals, which means we share responsibility to help you keep your promises and make your project successful.

PRACTICAL INGENUITY

When you've been on the job site or up on the lift, you build in-the-trenches know-how. That expertise inspires more creative products that maximize real-world performance for your lighting investment.

UNCOMMON DEDICATION

Our customers tell us we have more capable teams that deliver results, not just on paper, but in the day-to-day work of the people we serve. Some say it's our Midwestern roots; we think it's our energy.

LIGHT YEARS AHEAD®

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