

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

# CASE STUDY

## GOVERNMENT

Orion's line of LED lighting fixtures are durable enough to meet facility needs and provide a safe environment for staff, while saving operating costs that are critical when facing limited budgets.

# WHY ORION



## 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

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.

## 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.

## Conserve Resources with Better Lighting

### OVERVIEW

Whether an office, conference room, garage, warehouse, or parking facility, lighting directly impacts your facility's performance. Your facility must deliver optimal working conditions while limiting the burden on the community that supports it. Efficient lighting systems allow you to reduce the cost of delivering services to your community. Our suite of lighting products deliver the light quantity, quality and control that is critical to your team's performance while reducing its economic and environmental impacts on the community.

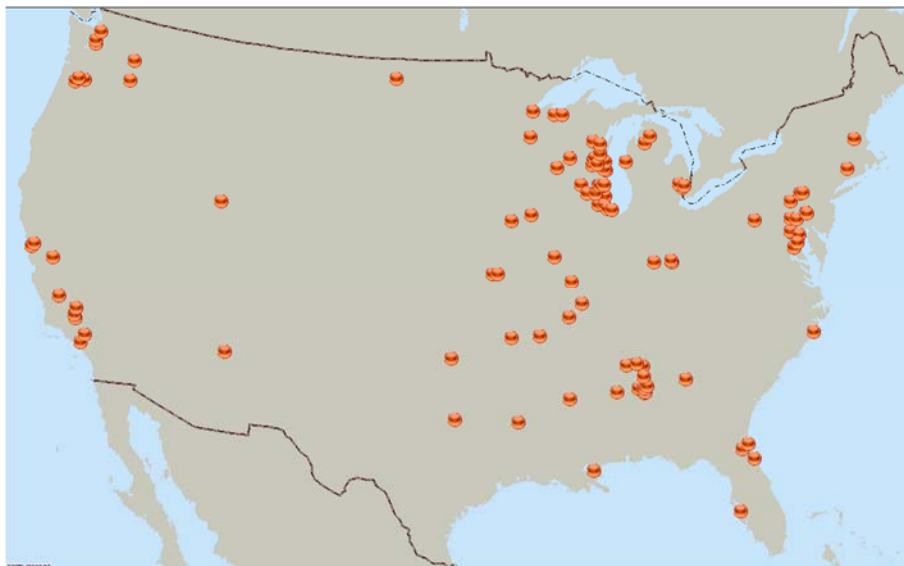


### PROJECT BENEFITS

- Create fewer maintenance facility disruptions and spend less time repairing fixtures and replacing burnt out lamps.
- Improve public safety by installing fixtures that reliably and consistently perform and distribute light where you need it most.
- Redeploy limited capital into other facility and service improvements by reducing both operating and maintenance spending with some of the most-efficient, longest-lasting fixtures on the market.
- Reduce facility disruption with fixtures that are lightweight, easy to install and designed to meet the needs of each of your specific facilities.
- Improve worker comfort, productivity and performance with lights that can be adjusted to meet their individual needs.
- Reduce waste production by eliminating need for fluorescent lamp disposal.
- Optimize performance by integrating your fixtures with most commercially available control technologies without disruption of your facility's other critical systems, i.e. wireless device communication.
- Reduce your facility's environmental impact by reducing its energy consumption and usage.



As of March 31, 2016, Orion has completed over 115 projects with 93 customers in the Government market. The following map shows displays projects in contiguous United States.



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Home / Building Systems / Lighting / LED Door Retrofit Offered

# LED Door Retrofit Offered

January 13, 2014 By William Opalka



### Orion Energy Systems

says it is offering the industry's first complete suite of LED Door Retrofit (LDR) products. The LDR is completely assembled within the door frame.

The Orion LDR system reuses the original housing of the existing troffer and installs quickly. There are an estimated 964 million troffers currently in the US lighting market.

The Orion LDR product suite is designed to retrofit most existing 2-foot-by-2-foot and 2-foot-by-4-foot fluorescent troffers and is

available in a variety of lens styles, wattages and color temperatures.

The Orion LDR system offers the following:

- It can be retrofit into existing fluorescent troffers within minutes with no disruption to ceiling tiles and no need to remove existing fixtures.
- The LDR can reduce a company's energy consumption by up to 70 percent.
- The LDR system decreases costs associated with maintenance, freeing up maintenance teams to focus on tasks other than light bulb replacement.
- The LDR provides a volumetric, even-distribution of light with quality color rendering and is available in multiple color temperatures to accommodate end-user needs. Compared to fluorescent lighting, the LDR system generates less heat and, therefore, has a positive impact on HVAC requirements.

## Related:



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## Videos



## Orion Energy Systems granted US patent for LED door retrofit assemblies

Published on: January 28, 2015



MANITOWOC, Wis. — Orion Energy Systems, Inc. (NYSE MKT: OESX), a leading designer and manufacturer of high-performance, energy-efficient lighting platforms, today announced that it was granted a new patent from the U.S. Patent and Trademark Office (Pat. No. 8888313) directed to design improvements and technical advancements for troffer door assemblies. This award brings the company's total portfolio of granted patents to 62, with 41 additional pending globally. The patent is a continuation of Orion's efforts to protect the proprietary innovations embodied in the LDR, which is now the company's best-selling LED product.

Orion LDR fixtures have been shipped to more than a thousand locations throughout North America since its January 2014 launch. Due to its easy installation, attractive design and reliable performance, the LDR continues to gain traction with leaders in multiple industries seeking to replace energy-consuming fluorescent troffer fixtures with high efficiency LED light sources.

Recent deployments of the Orion LDR include one of the leading big box retailers in the US and a large group of Veterans Affairs hospitals. These customers chose the LDR as a result of Orion's speed of delivery, fast installation and lower total cost of ownership through a number of unique design features. The fixture ships assembled which:

- Makes typical installers more efficient by reducing installation time to 1-2 minutes per fixture (compared to over 10 minutes for many competitive fixtures).
- Eliminates the risk of missing or damaged pieces and the need for tools other than a ladder.
- Reduces waste and mitigates environmental and health concerns by leveraging the existing housing, thereby avoiding the need to access the ceiling.

"While this latest patent further strengthens Orion's overall intellectual property portfolio, it also demonstrates how our technology is creating value in the market. We are known for thoughtful, integrated lighting solutions and we are winning business over many competitors because Orion offers a faster return on investment due to improved light delivery and more efficient installation. Protecting our intellectual property is paramount, since accelerating LED adoption through creative products and processes like the LED Door Retrofit fixture is key to both Orion and our customer's success," said John Scribante, Chief Executive Officer of Orion.

### About Orion Energy Systems

Orion is leading the transformation of commercial and industrial buildings with state-of-the-art energy efficient lighting systems. 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.

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[www.oesx.com](http://www.oesx.com)

Submit new products, case studies/projects, and other press releases at <http://www.ledsmagazine.com/content/leds/en/addcontent.html> and <http://www.ledsmagazine.com/content/leds/en/iif/add.html>.

# Major Federal Agency Approves \$2.8 Million Contract to Retrofit Two High Profile Research Centers With Orion Energy-Efficient Lighting



[www.businesswire.com/news/home/20160201005065/en/Major-Federal-Agency-Approves-2.8-Million-Contract](http://www.businesswire.com/news/home/20160201005065/en/Major-Federal-Agency-Approves-2.8-Million-Contract)

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 major federal agency approved a \$2.8 million contract to retrofit two research center sites with Orion's patented and patent-pending light fixtures and sensors.

Over 3,400 inefficient T8 fluorescent and HID fixtures will be replaced with Orion's industry-leading LED products. The current HID and fluorescent high bays in production areas will be replaced with [Orion LED high bays](#), which are manufactured in the United States in compliance with the Buy American Act. The facility's offices and common area T8 fluorescent fixtures will be replaced with [Orion's patented LED Troffer Retrofit \(LDR\)](#) and linear LED products.

Installation will begin in March and continue through the spring. The lighting upgrade will help meet several federal mandates for sustainability to reduce energy consumption, promote healthy work environments, and protect natural resources.

The energy partner leading the project selected Orion due to the company's past successful track record with complex government deployments and the energy-saving performance of its lighting retrofit solutions. Orion and this partner have completed over fifty projects with federal and state agencies in the last fifteen years, including US Department of Veterans Affairs and US Department of Agriculture buildings, as well as Department of Defense facilities like Naval Air Station Jacksonville, Naval Station Mayport, Naval Submarine Base Kings Bay, Naval Air Station Pensacola, United States Marine Corp Blount Island, and many others.

[Orion's latest LED High Bay suite](#) sets a new standard for performance in its class with up to 179 lumens per watt and an unprecedented modular platform. 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. 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.

Since its introduction in 2014, the Orion LDR suite has created a new standard not only for design, performance, and energy efficiency, but also a breakthrough in the ease of installation in troffer retrofit from fluorescent to LED, which reduces overall costs. The [industry's first patented LED Troffer Retrofit suite](#) reduces cost on the job site because it ships fully assembled, is adjustable to fit existing troffers, and typically installs in one to two minutes with no tools other than a ladder, compared to more than 10-minute installs for many competitive fixtures.

"During some projects, there is simply no margin for error, and the work of this agency certainly falls into that category," said John Scribante, Chief Executive Officer of Orion Energy Systems, Inc. "Their exploration programs capture the imagination of the global community, and we are honored that they have chosen Orion to illuminate their missions, research, and educational initiatives."

## 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 APOLLO Troffer Retrofit LDR Series Voted Product of the Year – Silver by Consulting-Specifying Engineer Readers

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[www.businesswire.com/news/home/20150922005838/en/Orion-APOLLO-Troffer-Retrofit-LDR-Series-Voted](http://www.businesswire.com/news/home/20150922005838/en/Orion-APOLLO-Troffer-Retrofit-LDR-Series-Voted)

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 the [APOLLO Troffer Retrofit LDR Series](#) was voted 2015 Product of the Year – Silver in the Lighting Fixtures and Luminaires Category by subscribers of *Consulting-Specifying Engineer* (CSE) magazine.

Since its introduction in 2014, the Orion LED Troffer Retrofit (LDR) suite created a new standard not only for design, performance and energy-efficiency, but also a breakthrough in the ease of installation in troffer retrofit from fluorescent to LED. The [patented suite](#) reduces cost on the job site because it ships fully assembled, is adjustable to fit existing troffers, and installs in less than two minutes with no tools other than a ladder, compared to more than 10-minute installs for many competitive fixtures. Orion continues to take a leadership position in this segment, with the recent product launch of the new [High Lumen LED APOLLO Troffer Retrofit](#), available 7000 and 9000 lumen packages for retail, manufacturing, and industrial applications.

“This award is a reflection of the strong culture of innovation of Orion, and the APOLLO Troffer Retrofit LDR Series is just one example of our commitment to merge attractive design with industry-leading installation times and energy-efficient performance,” said John Scribante, Chief Executive Officer of Orion Energy Systems. “It’s an honor to be recognized by *Consulting-Specifying Engineer* magazine, especially because this recognition comes from the vote of the readers and our customers, and we look forward to delivering more industry-leading products like this series in the days to come.”

CSE’s 11<sup>th</sup> Annual Product of the Year award showcases practical innovation, educating the industry about the top new products in the field designed to increase efficiency and improve system quality. Voters in this reader choice program include qualified engineering, facility management and building professionals who specify products and systems for nonresidential buildings.

## 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.





## United State Army – Fort Bliss El Paso, TX

### Project Scope

Replace legacy system consisting of High Intensity Discharge fixtures with Orion's T8 Apollo® Light Pipes.

### Project Economics

Displaced Energy:	725,400kWh
Displaced Capacity:	N/A
Annual Cost Reduction:	\$63,500
Light Level Improvement:	N/A

### Environmental Impact

Carbon Dioxide Emissions Displaced:	441 tons/year
Acres of Trees Planted (Equivalency):	133 Acres



Before



After



**"We are very happy with our new lighting system."**

Jim Frankenhoff – County Engineer  
Adams County Highway Department – Quincy, IL

### 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:	64,460 kWh
Displaced Capacity:	24.02 kW
Annual Cost Reduction:	\$4,893
Light Level Improvement:	87.5% (from 40 to 75 avg. fc)

### Environmental Impact

Carbon Dioxide Emissions Displaced:	39 tons/year
Acres of Trees Planted (Equivalency):	12 Acres



Before



After





## Baltimore County Revenue Authority Baltimore County, MD

### Project Scope

Replace existing lighting system consisting of High Intensity Discharge fixtures with Orion's T5 Fluorescent Parking Garage fixtures.

### Project Economics

Displaced Energy:	1,885,838 kWh
Displaced Capacity:	119.87 kW
Annual Cost Reduction:	\$235,729
Light Level Improvement:	

### Environmental Impact

Carbon Dioxide Emissions Displaced:	1219 tons/year
Acres of Trees Planted (Equivalency):	346 Acres



Before



After



**"There was a quite a bit of resistance to changing lighting that was only a year old. I give the board credit."**

Richard Schmidt – Shop Superintendent  
Washington County, 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:	148,724 kWh
Displaced Capacity:	53.0 kW
Annual Cost Reduction:	\$12,924
Light Level Improvement:	N/A

### Environmental Impact

Carbon Dioxide Emissions Displaced:	90 tons/year
Acres of Trees Planted (Equivalency):	27 Acres



Before



After

## Dodge Center, MN

### City of Dodge Center Dodge Center, MN

#### Project Scope

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

#### Project Economics

Displaced Energy:	9,369 kWh
Displaced Capacity:	3.0 kW
Annual Cost Reduction:	\$1,030
Light Level Improvement:	N/A

#### Environmental Impact

Carbon Dioxide Emissions Displaced:	6 tons/year
Acres of Trees Planted (Equivalency):	2 Acres



Before



After



### City of Milwaukee Milwaukee, 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:	174,555 kWh
Displaced Capacity:	37.3 kW
Annual Cost Reduction:	\$9,600
Light Level Improvement:	N/A

#### Environmental Impact

Carbon Dioxide Emissions Displaced:	113 tons/year
Acres of Trees Planted (Equivalency):	32 Acres



Before



After





**“The City of Temple chose to complete lighting upgrade projects at several facilities due to the need to update lighting and the expected energy savings. With just over an expected payback period of one-year, the City anticipates saving approximately \$250,000 over the lifetime of the new lights. The project was very successful and completed to the City's standards.”**

Ashley Williams – Sustainability and Grant Manager  
City of Temple – Temple, TX

## Project Scope

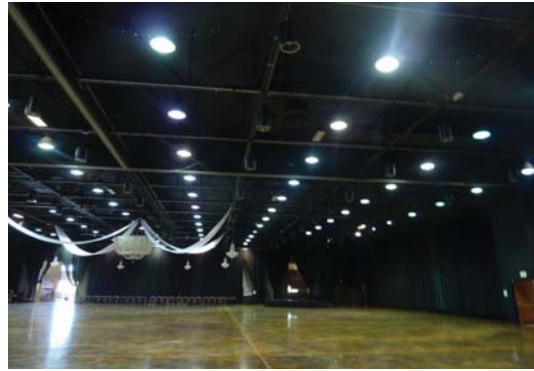
Replace legacy system consisting of High Intensity Discharge and T12 Fluorescent fixtures with Orion's Compact Modular T8 Fluorescent High Bay fixtures with standard motion control technology.

## Project Economics

Displaced Energy:	265,965 kWh
Displaced Capacity:	111.1 kW
Annual Cost Reduction:	\$18,615
Light Level Improvement:	10.4% (43 to 48 avg. fc)

## Environmental Impact

Carbon Dioxide Emissions Displaced:	162 tons/year
Acres of Trees Planted (Equivalency):	49 Acres



Before – 43 average foot-candles



After – 48 average foot-candles



Customer	Quantity
Adams County Highway Dept	1
AMEC	1
Ashland County Hwy. Dept.	1
Bakersfield Assembly Hall	1
Baltimore County Revenue Authority	2
Benton County Fairgrounds	1
Birmingham Water Works Board	7
Blount Island Marine Base	1
Borough of Mont Joy	1
Caddo Parish Commission	1
Calumet County Hwy Commission	1
City of Arlington (Water Utilities)	1
City of Arvin	1
City of Beaverton	1
City of Ceres	1
City of Everett Facilities Whs	1
City of Green Bay	1
City of Janesville	1
City of Kenosha Service Garage	1
City of Logan / Central Stores	2
City of Ludington	1
City of Madison Heights	1
City of Manitowoc	1
City of Seattle	1
City of Superior, Wisconsin	1
City of Vancouver, WA	1
City of Westminster	1
City of Wilkes	2
Clark Regional Wastewater District	1
Cullman Wellness and Aquatic Center	1
Danville Area Community Center	1
Department of Veterans Affairs	1
Eagle Alliance	1
Exeter Township	1
Exeter Township	1
Federal Reserve Bank	1
Florida National Guard	2
Fulton County Animal Shelter	1
Grant County Fairgrounds	1
Huntley Public Works	1
Huntsville International Airport	1
Indiana Department of Transportation	1
Iowa Department of Transportation	2
Iron County Hwy Dept	1
Jacobs Technology Inc	1
Kalkaska County Kaliseum Recreational Complex	1

Customer	Quantity
Kennedy Space Center	1
Kern County Fire Department	1
Manatee Cty Water	1
Mayport Navel Base	1
Menasha Public Works Facility	1
Minot Air Force Base	1
National Oceanic and Atmospheric Administration	1
Navajo County	1
New Boston Air Force Station	1
Oconto County	2
OESCO	1
Office of Hamilton County Engineer	1
Organization of American States	1
Oshkosh Correctional Institution	1
Ostego County Road Commission	1
Outagamie County Maintenance Department	1
Palatine Park District	1
Palmdale Water District	1
Perry County Sheltered Workshop	1
Polk County Highway Dept	1
Port of Camas/Washougal	1
Sheboygan County	1
Sheboygan Falls Public Works	1
Southern California Regional Rail Authority	1
State of Wisconsin	1
Sycamore Township	1
Tennessee Valley Authority	3
Tinker Air Force Base	1
Town of Menasha	1
Townson Library Parking Facility	1
United States Army Corp of Engineers	3
United States Department of Agriculture	2
United States Department of Defense	3
United States Postal Service	8
United States Postal Service	1
USP Leavenworth	1
Village of Franklin Park	1
Village of Pewaukee	1
Walworth County	1
Washington State DOT	1
Waukesha Cty Parks & Land	1
Waukesha Municipal Garage	1
West Bloomfield Township	1
Westminster Fire Hall	1
Wisconsin Air National Guard	1
Wood County Highway Dept.	1
Avenal State Prison	1



## ISON™ LED HIGH BAY | HBIF2

- Industry leading efficiency with best in class performance
- Patent-pending 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
- Ideal for industrial, commercial and retail application
- Flexible platform to adjust to almost any application
- Durable, sleek, aluminum body with open area and aisle illumination options
- Various control options offered to gain additional energy savings
- Voltage: 120-277, 347, and 480v
- Rated Life: 150,000 hours



## ISON™ LED HIGH BAY HIGH LUMEN | HBIF2

- Best in class "Lumen per Watt Performance" - up to 177 lpw
- Designed to replace traditional fluorescent or HID of 400, 750 and/or 1000 watt in heights above 40'
- Groundbreaking thermal management design reduces fixture operating temperature to enhance performance
- Wireless networking and remote control sensors
- Voltage: 120-277v, 347v and 480v
- Rated Life: 150,000 hours



## APOLLO® LED HIGH BAY | HBAC2

- Future-proof, modular design allows for ease of field maintenance and is upgradeable for performance enhancements
- Feature rich, value oriented high performance high & low bay solution ideal for industrial, commercial, and retail applications
- Hundreds of options and accessories available, including emergency battery back up, integrated and wireless controls, aisle illumination package and more
- Easy-to-install, lightweight aluminum body design, reduces ceiling grid load, installs faster with minimal impact on operations
- Extensive list of features and fixture options
- Voltage: 120-277v, 347v, 480v
- Rated Life: 125,000 hours



## HARRIS LED HIGH BAY | HBHC1

- Modular power pack is field replaceable for ease of fixture maintenance
- Well suited to meet high and low bay illumination requirements for industrial, commercial, and retail applications
- Plug and play end mounted control options available
- Optional aisle illumination performance package
- Voltage: 120-277v, 347v, 480v
- Rated Life: 100,000 hours



#### ISON™ LED LDR® TROFFER RETROFIT MODULAR | LDRM1

- Industries first Patented LED LDR® Troffer Retrofit contained within the doorframe
- Patent pending, future-proof, interchangeable light engine design delivers the benefit of replaceable LED lamps or tubes without the performance or safety risks
- Designed to retrofit existing 2'x2' and 2'x4' T8/T12 fluorescent troffers in as little as two minutes
- Ships completely assembled, which minimizes labor install and interruption in the workplace
- Several control options to include third party control solutions
- Voltage: 127-277v
- Rated Life: 125,000 hours



#### APOLLO® LED LDR® TROFFER RETROFIT | LDR F-SERIES 1'x4', 2'x2', 2'x4'

- Industries first Patented LED LDR® Troffer Retrofit contained within the doorframe
- Designed to retrofit almost all existing T8/T12 troffer
- One-piece, powder-coated white, light-weight enclosed aluminum body
- Designed to retrofit existing 1'x4', 2'x2' and 2'x4' T8/T12 fluorescent troffers in as little as two minutes
- Matte finish contour or flat panel lens
- Full range dimming driver
- Voltage: 120-277
- Rated Life: 125,000 hours



#### HARRIS LED LDR® TROFFER RETROFIT EDGE | LDRE1

- Industries first Patented LED LDR® Troffer Retrofit contained within the doorframe
- Designed to retrofit existing 2'x2' and 2'x4' T8/T12 fluorescent troffers with either prismatic lens or parabolic louvers
- Installs in as little as two minutes, which minimize workplace disruption
- Ships completely assembled, which minimizes cleanup and labor install
- Several control options to include third party control solutions
- Voltage: 127-277v
- Rated Life: 100,000 hours



#### 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



## 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 Wet Location, IP66, IP67, High Pressure Washdown PSI1500, NEMA 4X Housing
- TVSS and Wet Location sensor options available
- Voltage: 120-277v
- Rated Life: 125,000 hours



## 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 Wet Location, IP66, IP67, High Pressure Washdown PSI1500, NEMA 4X Housing
- TVSS and Wet Location sensor options available
- Voltage: 120-277v
- Rated Life: 125,000 hours



## HARRIS LED VAPORTIGHT | xVT

- Industrial application, food service settings
- Outperforms in freezer and refrigerator settings
- Lightweight fiberglass body, Ribbed frosted acrylic lens
- Four and eight foot options
- Quick clean with high or low pressure wash
- Voltage: 120-277
- Rated Life: 50,000 hours
- IP65, IP67







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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