



March 31, 2016

Orion Announces Game Changing LED Modularity and Connected Building Technology for Its Suite of Patented LDR® Products

Patent-pending LED Troffer Retrofit Modular and LED Troffer Retrofit Edge expand the popular LDR® suite with more future-proof features and support for Lutron® and Enlighted controls

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 new products and partnerships that extend the connectivity and modularity of its patented LED Troffer Retrofit (LDR®) product suite.

This Smart News Release features multimedia. View the full release here:

<http://www.businesswire.com/news/home/20160331006415/en/>



Orion's LDR® series is the industry's first patented LED Troffer Retrofit contained within the door frame. The new [ISON™ LDR® Troffer Retrofit Modular \(LDRM\)](#) fixture introduces another first: the replaceable light engine. This future-proof, interchangeable design gives facilities a path to deliver the benefits of replaceable LED lamps or tubes without switching out the entire fixture or facing performance and safety risks, like a shorter rated life, risky wiring and potential UL and safety violations. Maintenance crews can easily replace just the light engine in the field as technology improves, light output requirements change or to change color temperature, with minimal impact on operations and productivity. The new [HARRIS LDR® Troffer Retrofit Edge \(LDRE\)](#) offers the lowest installed cost in the suite.

Orion Announces Game Changing LED Modularity and Connected Building Technology for Its Suite of Patented LDR® Products (Photo: Business Wire)

Retrofit suite. Since its introduction in 2014, the 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 [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 virtually no tools other than a ladder, compared to more than 10-minute installs for many competitive fixtures.

These two new LDR® fixtures join the award-winning APOLLO® LDR® Troffer

"The LDR® created a tidal wave in the lighting industry because of the debris-free, under two-minute install. We're continuing to build on that legacy with the patent-pending LDRM modular innovation and its interchangeable LED light engine and the LDRE which is our lowest installed cost LDR® product," said Scott Green, inventor of the LDR® platform and President, Innovation and Project Engineering at Orion Energy Systems. "Today facilities need to adapt at an unprecedented rate. With the LDRM our customers simply disconnect the power, undo a few snaps and you can create an entirely new light fixture to meet the changing needs of your workers or business, and save even more time, effort and energy. It's as easy as changing a light bulb. With the entry level LDRE, the LDR® technology is now available at an even lower installed cost while delivering superior efficiencies."

The new LDRM and LDRE also support a multitude of accessories plus out of the box integration with [leading third party control solutions](#) including:

- l Lutron LED Drivers - featuring five different dimming driver options to leverage most Lutron controls infrastructure, even plug and play upgrades from fluorescent to LED with existing systems.

- 1 Enlightened Compact Sensors - small, flush mount designs that transmit wirelessly to the Enlighted network to monitor occupancy, motion, daylight and temperature and autonomously control light levels via mobile or desktop applications.

"Lighting is the new frontier of data collection. We developed strong partnerships with these and other technology leaders to provide the right solution for every retrofit lighting requirement, from saving energy and maximizing rebates to creating entire connected buildings," said John Scribante, Chief Executive Officer of Orion Energy Systems. "Smart fixtures like the LDR® suite are another example of how Orion is proving its innovation leadership. We are providing our customers with a product that harnesses the power of the internet and Big Data to create real value - more personal and productive work spaces, actionable business intelligence, and powerful decision-making for the enterprise."

Additional updates announced today include a 15,000 lumen output package for the HARRIS High Bay and an upgrade for the APOLLO® Suspended Slimline Linear Series. The series now includes a fixture-mounted occupancy sensor with interchangeable sensor lens to meet most applications, plus suspended and surface mounting methods that ship standard with all orders for maximum flexibility during installation.

Coming soon to the Orion portfolio of industry-leading LED products are additional controls partnerships, as well as new products that support Power over Ethernet (PoE).

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.

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Source: Orion Energy Systems, Inc.

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