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MEDIA ADVISORY

Surface-Mount LED Lighting Leader Optronics Launches Two New Four-Inch Round LED Lamps with Reflective Mounting Flanges

Optronics introduces surface-mount Fusion four-inch round multi-function LED stop, tail, turn and back-up lamp and standard four-inch round LED stop, tail, and turn lamp, both with high-visibility mounting flanges.

TULSA, Okla., USA (Feb. 20, 2018) — [Optronics International](#), a leading manufacturer and supplier of heavy-duty LED vehicle lighting, is unveiling two new four-inch round surface-mount LED lamps at [booth 5971 at the 2018 NTEA Work Truck Show in Indianapolis, Ind.](#) The new STL201XRFHXB surface-mount Fusion four-inch round LED stop, tail, turn and backup lamp has a unique patent-pending optical design that sets it apart from other lamps on the market. The new STL13RFHXB surface-mount four-inch round LED stop, tail and turn lamp is the first designed for heavy-duty trailer applications. Both lamps feature Optronics' new reflective conspicuity mounting flange.

Optronics introduced its first line of multi-function surface-mount lamps in 2014 and has since become the most prolific producer of these versatile, low-profile LED lamps that require only a half-inch wiring hole. Before the introduction of the surface-mount lamp, manufacturers had to design vehicles with four-inch round or six-inch oval mounting holes in body panels, frame posts, docking plates or gussets to accommodate each separate lamp. The holes reduced structural integrity and allowed moisture, road debris and other contaminants to enter into body cavities, promoting corrosion.

“Why design vehicles with 4- or 6-inch holes when a half-inch hole is all that’s needed,” Brett Johnson, president and CEO of Optronics International, said. “OEMs and bodybuilders understand the structural advantages of minimizing potential sources of corrosion, while maximizing body strength and they also understand that they get two lamps in one with our Fusion products.”

At just .79-inches thick, the new Fusion four-inch round LED stop, tail, turn and backup lamp combines lamp functions reducing further the need for mounting holes. The even lower-profile .75-inch surface-mount four-inch round LED stop, tail and turn lamp gives heavy-duty trailer manufacturers their first surface-mount option for this key class of lamps.

One of the most unique features of both lamps is a high-visibility reflective mounting flange. Like other vehicle conspicuity devices, the flanges help others on the road detect the presence, size and shape of a vehicle whether its lamps are operating or not.

“The economy is booming and that means more vehicles are on the road both day and night,” Johnson said. “Visibility has never been more important for the safety of vehicle operators and the driving public.”

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Like other Fusion lamps before it, the new Fusion four-inch round LED stop, tail, turn and backup lamp uses a patent-pending circuit board configuration and LED light projection technology that creates an optical bridge that projects red LED light from the red area of the lens to the clear area of the lens during the braking function. The same portion of the lens is also used for the white light back-up function. By employing this strategy, Optronics lamps use fewer diodes, minimizing heat loads and lowering overall lamp costs.

“Our LED lamps keep getting smaller, more efficient and more competitively priced,” Johnson, said. “It’s about our commitment to bring better value, better options and better lighting to the commercial vehicle marketplace.”

The new STL201XRFHXB surface-mount Fusion four-inch round LED stop, tail, turn and backup lamp and the new STL13RFHXB surface-mount four-inch round LED stop, tail and turn lamp are expected to be available in the second quarter of 2018. The lamps meet all FMVSS 108 and CMVSS 108 photometric requirements for visibility and safety. Lenses and housings are made of tough polycarbonate material that is sonically welded. The lamps employ a solid-state, surface-mount device (SMD) design that protects their electronics against moisture, shock and vibration. Like all LED products from Optronics, these lamps come with no-hassle, one-diode lifetime warranty protection that will replace the lamp if even one diode fails.

Optronics products are available in the U.S. and Canada through the company’s extensive [distribution network](#) of more than 12,000 convenient distribution locations. Users can access individual Optronics distributor websites by simply clicking on their logo icons. For information on international sales and distribution of Optronics products, please contact Dorian Drake at +1 (914) 697-9800, or visit <http://doriandrake.com>.

To access high-resolution product images of the new Fusion GloLight LED combination stop, tail, turn and backup lamp, please visit: http://www.optronicsinc.com/RESOURCES/ImageGalleries/FUSION_Reflex.aspx

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About Optronics

As the fastest-growing vehicle lighting manufacturer in the U.S., Optronics International attributes its success to delivering better value, better options and better lighting to its customers. Founded in 1972, Optronics International is a premier worldwide manufacturer and supplier of branded industrial and commercial vehicular safety lighting products. The company specializes in interior and exterior LED and incandescent lighting for the marine, RV, trailer, HD and transit vehicle markets. The Optronics product catalog is among the most extensive in the industry. Optronics is headquartered in Tulsa, Oklahoma and has an ISO/TS 16949:2009 certified manufacturing facility in Annan District, Tainan, Taiwan, with additional manufacturing capabilities in Muskogee, Oklahoma. The company has an ISO 9001:2008 certified distribution facility in Goshen, Indiana, as well as distribution through its location in Ontario, Canada. Learn more at <http://www.optronicsinc.com>.

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