

## CCS honored with 3 awards at Vision Systems Design 2019 Innovators Awards



**Chicago, IL, USA, 8 April 2019** – The CCS group is honored to have 3 of its lighting technologies recognized by Vision Systems Design’s Innovators Awards: LSS Series (Gold), OLF Series (Gold), and SWIR H.O.P. from our member Effilux (Bronze). These new solutions transform the way inspection systems can be designed, making them more effective and more compact than current systems.

The LSS Series is a lighting solution for Computational Imaging, which uses multi-shot image capture under different lighting and optical conditions to create a merged output image with greater contrast compared to single image capture. Imaging challenges caused by color, depth of field, dynamic range, and other application specifications are easily overcome with the LSS.

The OLF Series is a revolutionary new line of 3 mm-thin panel lights that achieves the brightness and uniformity needed for Machine Vision inspection. This is achieved using organic LED (OLED) technology, so that the Light Unit emits evenly diffuse, highly uniform illumination, in less space and while generating less heat compared to back lights. Light Units can be installed in even narrower spaces in an inspection system, and bespoke designs will allow for new design possibilities.

The SWIR H.O.P (Short-Wave InfraRed High Optical Power) Technology developed by CCS group member, Effilux is a new powerful type of light source based on a proprietary material that emits SWIR light, that offers all the benefits of LEDs, with exceptionally brighter output compared to the standard SWIR LED 1550 nm in the market with the same electric consumption. With H.O.P., it is easier than ever to image phenomena and elements invisible to the naked eye, such as water, lipids, and collagen, and to see through opaque materials (plastics, silicon), smoke, fog and dust, day and night.

The CCS group has led the Machine Vision industry in LED illumination for over 25 years and is committed to continuing the development of the highest quality open-architecture lighting solutions that leverage the most innovative technology for its customers.

For more information on our award-winning products, please do not hesitate to contact us or visit our website at [www.ccs-grp.com](http://www.ccs-grp.com) and [www.effilux.fr/en](http://www.effilux.fr/en).

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### About CCS

CCS Inc. is the global leader in LED lighting for machine vision applications, pioneering advances in Illumination and Photonics products and technologies. CCS offers a comprehensive range of machine vision lighting solutions: high-precision area and line scan illumination with special functions and intelligent lighting as well as plug & play lighting solutions.

Headquartered in Kyoto, Japan, CCS has over 25 years of experience in illumination and 15 locations worldwide. CCS manufactures the highest quality, largest selection of standard and custom products in the industry – providing the optimal lighting solution for customer applications.

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