

IST next generation recessed downlights incorporate Bridgelux LED Arrays

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Bridgelux Inc of Sunnyvale, CA, USA says that UK-based IST ([Lighting](#)) has introduced recessed [Led downlights](#) (the DL range) using Bridgelux LED Arrays in cool, neutral and warm white colour temperatures. In addition, IST has developed a range of high current iDrive electronic [led drivers](#), specifically optimized for the Bridgelux LED Arrays.

"IST plans to offer a new range of cost-effective [Led lighting](#) systems based upon the innovative Bridgelux technology, not previously possible with other solid state solutions... In addition, IST has already committed to developing a range of LED drivers specifically suited to the Bridgelux LED Array products, enabling other fixture manufacturers to take advantage of the technology and develop innovative [lighting solutions](#)," said IST's Dr Geoff Archenhold.

IST will preview the first in a range of high current iDrive LED drivers at LIGHTFAIR International in New York, May 5-7, 2009 (where Bridgelux will also demonstrate the IST DL100 HC downlight, on booth #1665). According to the firms, the iDrive MultiDIM-HC driver is the world's first 45W high efficiency mains dimmable LED driver, enabling luminaires based on Bridgelux LED Arrays to be dimmed using standard mains dimmer switches.

"The new range of dimmable drivers from IST furthers our mutual objective to simplify design, maximize functionality and reduce system cost to accelerate widespread adoption of solid-state lighting," said Keith Scott, Bridgelux VP of business development. "We believe that the iDrive MultiDIM-HC driver will enable seamless adoption for end-users that wish to transition to Bridgelux LED Array technology from less efficient conventional lighting technologies."

The MultiDIM-HC offers total efficiencies in excess of 80%, high power factor correction up to 0.95 and output DC voltages between 8V and 18V. Furthermore, it combines up to four output currents of 1.2A, 1.4A, 1.6A and 1.8A to provide a complete solution for lighting fixture manufacturers.

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