

3M Introduces “KE Polarizer” to Enhance 3LCD Projector Performance

Products to Focus on Enabling High Brightness, Contrast and Extended Life for Projection Displays

The 3M Vikuiti KE Polarizer was recently introduced as the first in a series of related optical components for the projection display market focused on improving overall performance of 3LCD projection displays. Initial KE polarizer products have application in the green color channel with future products providing complete application coverage across all color channels. The unique polarizers are being introduced in parallel with planned, enhanced performance, imagers.

The primary design objectives for the KE Polarizer were to enable high-brightness, high-contrast and excellent 3LCD projection image quality from both front and rear projection systems. In addition, the KE Polarizer was developed to enable long-life projection engines and simplification of engine designs thus leading to lower product ownership cost for 3LCD projectors.

The key enabling technology in the KE Polarizer is based on a unique process used to create an intrinsic absorptive polarizing material resulting in a more durable, higher stability polarizing component when compared with traditional dye-stuff or iodine-based polarizers. KE Polarizer components have demonstrated an ability to sustain a high level of light engine performance with no image darkening or contrast loss over thousands of hours of continuous operation.

For more information, contact Chris Nitz, marketing manager, 3M Precision Optics, (513) 943-5621.

About 3M Precision Optics, Inc.

3M Precision Optics, Inc., a subsidiary of 3M, supplies a broad range of products enhancing the performance of CRT and microdisplay-based projection displays. 3M Precision Optics, Inc. is engaged in the commercialization of next generation components and systems enabling high performance, long life, and thin micro-display projection televisions as well as enabling high performing front-screen projectors. Current product offerings include Vikuiti projection components based on LCOS technology, as well as high temperature poly-silicon (HTPS), and DLP Technology from Texas Instruments.

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Every day, 3M people find new ways to make amazing things happen. Wherever they are, whatever they do, the company's customers know they can rely on 3M to help make their lives better. 3M's brands include Scotch, Post-it, Scotchgard, Thinsulate, Scotch-Brite, Filtrete, Command and Vikuiti. Serving customers around the world, the people of 3M use their expertise, technologies and global strength to lead in major markets including consumer and office; display and graphics; electronics and telecommunications; safety, security and protection services; health care; industrial and transportation. For more information, including the latest product and technology news, visit www.3M.com.

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