

OLED Lighting Materials Markets 2012

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Abstracts

The OLED lighting industry has taken great strides in the past two years. OLED luminaires are available to consumers for the first time and new firms are entering into the OLED business on a regular basis. However, OLED lighting fabrication remains concentrated in a small number of pilot lines whose future is uncertain.

Still, these pioneer facilities are beginning to shape which materials will be used in the next few years and beyond. And the firms that are now supplying relatively small amounts of OLED materials to these first OLED lighting manufacturing plants may well emerge as the materials market leaders later in the decade. Through examination of the types of materials in use today by the early-to-market OLED lighting firms, this report identifies from where the opportunities will come for the OLED lighting materials industry. It also discusses what has been working – and what has not – in the materials suppliers' current efforts to break into the OLED lighting market.

NanoMarkets has been providing industry analysis for the OLED lighting community for six years, and this report builds on our well-respected forecasts of both OLED shipments and OLED lighting manufacturing capacity. It also utilizes our insider's understanding of what the major OLED lighting firms are likely to need from their materials suppliers. Although we show how OLED lighting could represent major potential for the materials and specialty chemical industry over the next decade, we pay special attention to how the opportunities for OLED lighting materials will develop over the next 18 months or so.

Among the important issues that this report discusses are the continuing dominance of UDC in important sectors of the OLED lighting market and the increasingly important role of Chinese OLED materials suppliers. It also evaluates the significance of the emergence of solution-processed small molecules and the continuing failure of polymer OLEDs to catch on the marketplace.

In the long run, NanoMarkets believes that OLED lighting will eventually emerge as the largest addressable market for OLED materials. However, there is still a long road ahead before the OLED materials market reaches this point. In the meantime, this report is an essential guide for firms seeking to gain a competitive edge with their materials to improve OLED lighting efficiency, lifetime, and reduction in total cost of ownership. Finally, the report contains detailed volume and revenue forecasts for materials used for OLED lighting broken out by material type and functionality.

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