

Global LED Chip and Module Market Survey and Trend Research 2018

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Abstracts

Summary

Epi/chip. Epitaxy refers to the process of evolving a wafer (sapphire or SiC, for instance) by depositing epitaxial layers on the wafer using MOCVD. Creating the epitaxial layers is the most critical and capital-intensive step in LED manufacturing. After additional wafer processing to create the metal connection, the wafer is cut up ("diced") into chips. Although it can be used for different applications, the quality requirements (mainly efficacy) of the epi/chip differ by application. Module (sometimes called light engine). Creation of a module (light engine) is the next step in the LED lighting value chain. The module (light engine) mainly consists of one or more LED packages, secondary optics, a heat sink and an electrical driver. The LEDs are mounted on a PCB (printed circuit board), and the modules (light engines) are integrated with optics and thermal/power management components to optimize the module (light engine) to each application.

This report describes the development of the industry by upstream & downstream, industry overall and development, key companies, as well as type segment & market application and so on, and makes a scientific prediction for the development industry prospects on the basis of analysis, finally, analyzes opportunities for investment in the industry at the end of the report.

Industry Chain

Raw Materials

Cost

Technology

Consumer Preference

Industry Overall:

History

Development & Trend

Market Competition

Trade Overview

Policy

Region (North America, Europe, Asia-Pacific, South America, Middle East, Africa):

Regional Market

Production Development

Sales

Regional Trade

Regional Forecast

Company (Epistar, San'an Opto, Cree, OSRAM, Toyoda Gosei, Toyoda Gosei, Seoul Semiconductor, Philips Lumileds, ETI, LG Innotek, NiChia, HC SemiTek, Lextar, Lattice Power, OPTO-TECH, Tyntek, Genesis Photonics, Formosa Epitaxy, Changelight, Aucksun, TongFang etc.):

Company Profile

Product & Service

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Market Share

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Investment Opportunity

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