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Global LED Chip and Module Market Data Survey Report 2025

https://marketpublishers.com/r/G35FBADE0DAEN.html
Date: August 2017
Pages: 108
Price: US$ 1,500.00 (Single User License)
ID: G35FBADE0DAEN

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.

The global LED Chip and Module market will reach Volume Million USD in 2017 with CAGR xx% 2018-2025. The main contents of the report including:

Global market size and forecast Regional market size, production data and export & import

Key manufacturers (manufacturing sites, capacity and production, product specifications etc.)
Average market price by SUK

Major applications

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Key manufacturers are included based on manufacturing sites, capacity and production, product specifications etc.:

Epistar

San’an Opto

Cree

OSRAM

Samsung

Toyoda Gosei

Seoul Semiconductor

Philips Lumileds

ETI

LG Innotek

NiChia

HC SemiTek

Lextar

Lattice Power

OPTO-TECH

Tyntek

Genesis Photonics

Formosa Epitaxy

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Changelight

Aucksun

TongFang

Major applications
as follows:

General Lighting

Automotive Lighting

Backlighting

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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