

The Markets for Smart Lighting Drivers, Controllers and Sensor Chips – 2014

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Abstracts

This report analyzes the market for LED drivers, MCUs, sensors and other chips used in smart lighting. It is the latest in NanoMarkets ongoing series of reports on smart lighting, which covers both the lighting itself and important components and chips used in smart lighting systems. In this report we explicitly discuss smart lighting components in the context of the emerging Internet-of-Things. The report focuses on analysis for the chips that will be used in the newer kinds of smart lighting -- color tuning (mood lighting) and visible light communications (VLC) -- as well as more traditional smart lighting aimed primarily at increasing lighting efficiency. Coverage includes innovative devices such as intelligent LED drivers with embedded sensors and the latest wireless standards for smart lighting such as Bluetooth Low Energy (BLE). In addition, the report also covers the needs of all the major end-user segments of the market. We take these to be commercial and industrial, residential, government and public buildings.

We have also discussed the available markets for smart lighting in transportation and outdoor lighting. Detailed eight-year market projections of seven major smart lighting chip types in both revenue and volume terms are presented. Additional breakouts are provided by (1) the part of the lighting system in which the chips are used and (2) the technology generation of the system itself and (3) the type of building, vehicle or location in which the smart lighting systems will be used. The report is designed for semiconductor industry executives that want to better understand the opportunities in smart lighting electronics. It is also intended to provide guidance to firms in the LED and smart lighting systems sectors who need to better understand where smart-lighting electronics trends will take their businesses.

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