

Global and United States Blue Laser Diodes Market Research by Company, Type & Application 2013-2025

<https://marketpublishers.com/r/G69ADC70599EN.html>

Date: April 2018

Pages: 83

Price: US\$ 2,000.00 (Single User License)

ID: G69ADC70599EN

Abstracts

SUMMARY

Laser diodes are electrically pumped semiconductor lasers in which the gain is generated by an electrical current flowing through a p–n junction or (more frequently) a p–i–n structure. In such a heterostructure, electrons and holes can recombine, releasing the energy portions as photons. This process can be spontaneous, but can also be stimulated by incident photons, in effect leading to optical amplification, and with optical feedback in a laser resonator to laser oscillation. A blue laser diode emits electromagnetic radiation with a wavelength between 405 and 483 nanometres, which the human eye sees as blue or violet.

Market Segment as follows:

By Type

Single-Mode Blue Laser Diode

Multi-Mode Blue Laser Diode

By Application

Bio/Medical

Laser Projectors and Scanner

Blu-Ray Devices

Others

By Company

Sony

Nichia

Sharp

Osram Opto Semiconductors

USHIO

TOPTICA Photonics Inc.

Egismos Technology Corporation

Ondax

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

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Industry chain and raw materials;
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