

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

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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. A single mode blue laser diode has only one mode of light to propagate.

Market Segment as follows:

By Type

Below 30mw

30mw-60mw

60mw-90mw

90mw-200mw

More than 200mw

By Application

Bio/Medical

Laser Projectors and Scanners

Blu-Ray Devices

Others

By Company

Nichia

Sharp

Sony

Osram Opto Semiconductors

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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