

Laser Diode RGB



AI Overview

RGB laser diodes combine red, green, and blue laser beams to create full-color outputs. They are commonly used in applications such as: Full-color projection and stage lighting .Imaging and illumination, allowing for balanced white color .Wavelengths for these diodes typically include 635-660 nm for red, 520 nm for green, and 445-460 nm for blue .These modules are essential in various fields, including 3D scanning and machine vision . For more details, you can refer to sources like Sumitomo Electric and IADiy .



Article Content

Micro-RGB Modules

Utilizes micro RGB Superluminescent Light Emitting Diodes (SLEDs) instead of traditional laser diodes (LDs), which significantly reduces speckle noise—a

RGB laser modules for laser projectors

Try our RGB laser modules. We have implemented many solutions in them which improve their usage and safety. RGB lasers are perfect for lightening applications.

Micro-RGB Modules

The new EXALOS ultracompact RGB LD (Red-Green-Blue Laser Diode) module by indie represents a significant leap in optical technology.

Top DJ Laser Lighting: Pro Systems & Trends 2026–2027

Explore top DJ laser lighting solutions for 2026–2027, including professional RGB laser systems, safety compliance (FDA Laser Notice 56 & IEC 60825-1), control technologies, and

Kyocera SLD Laser

A US-based, high performance GaN laser manufacturing facility to help dramatically reduce development times with technical expertise to collaborate on application-specific needs.

RGB-3000DM // Full Diode

Eine wesentliche Neuerung dieses neuen RGB Modules ist die Möglichkeit, das Beam Alignment (das Justieren der einzelnen Farben) von außen vornehmen zu können, ohne das Modul öffnen zu

Automotive RGB Laser Diode |Automotive | LD

Nichia's RGB laser diodes for automotive applications achieve both high reliability and high light output to meet the automotive qualification standard, greatly

RWLS-RGB-TK | White Laser Diode Module | RPMC Lasers Inc

The RWLS-RGB-TK laser diode module has an output power of up to 100mW and uses red, green, and blue light to create its white light output.

Weltweit führend in den Bereichen Materialien,

Erfahren Sie, wie Coherent Innovationen und bahnbrechende Technologien für die Märkte Industrie, Kommunikation, Elektronik und Instrumentierung ermöglicht.

Nichia NUMB12 465nm 8.3W 525nm 4.8W 643nm 10W

Laser Specifications NUMB12.pdf Features Part Number: NUMB12 Brand Name: Nichia
Product Type: Laser Diode Wavelength: 465nm 525nm 643nm Optical

RWLS Series | RGB Laser diode | 445/520/635nm | Up

The RWLS series of RGB / White Laser Diodes - 445/520/635nm - Up to 100 mW - HHL package. Custom wavelengths, powers, and packages available.

Advanced Photonics Solutions

Unique photonics components, light sources and integrated solutions for LiDAR, navigation, sensing, imaging and adjacent applications.

RGB Laser

An RGB laser module combines three primary color laser diodes—red, green, and blue—into a single beam output. This type of module is used in full-color projection, stage lighting, machine vision, and

RGB laser modules for laser projectors

The RGB modules are designed for projection, imaging and illumination allows to achieve balanced white color, with the presence of three laser diodes - red, green, and blue.

LASER TREE 10W RGB Diode Laser Module

Laser Specifications LT-LS-RGB-10W.pdf RGB Stage Lighting Laser Module Features:
Wavelength: R638nm/ G520nm/ B450nm Optical Power:

RGB Lasersystems

Perfect customized light source "With the Lambda Beam laser module RGB Lasersystems provided us a perfect customized wavelength-tunable light source

RGB Laser Modules

A display that uses a laser as a light source combines red (638 nm), green (520 nm), and blue (450 nm) laser beams, which are the three primary colors of light.

RGB-Laser (2026) zum Bestpreis | idealo

RGB-Laser Preise vergleichen und günstig kaufen bei idealo 14 Produkte Große Auswahl an Marken Bewertungen & Testberichte

Laserworld DS-3000RGB ab € 1129,00 (2026)

Preisvergleich für Laserworld DS-3000RGB Produktinfo ⇒ Lichtquelle: 1x Laser Diode (RGB) • Laserklasse: 4 • Laser-Leistung: 550mW (rot), 900mW (grün), 1600mW (b Laser

Laser Fulldome Ends IMAX Film Era at Orlando Science Center: Eight RGB ...

Why RGB Pure Laser for an Eight-Projector Dome Array? The choice of RGB pure laser projectors, rather than the more common and less expensive laser-phosphor type, is the technically

Automotive RGB Laser Diode |Automotive | LD

Nichia's Automotive RGB Laser Diode Nichia's RGB laser diodes for automotive applications achieve both high reliability and high light output to meet the

RGB Laser Module | RGB Laser Diode Modules | IADIY

Explore high-performance RGB laser modules with 405nm, 450nm, 520nm, and 650nm wavelengths. IADIY provides precision-engineered RGB laser diode

Focusable 638nm 650nm 515nm 450nm Red Green Blue RGB Laser Diode

Focusable 638nm 650nm 515nm 450nm Red Green Blue RGB Laser Diode Module Line/Cross/Dot Head With USB Adapter 12mm Cooling Heatsink (650nm Dot 650MD-100)

Contact Us

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