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# Coherent® StingRay™ Line Generator 1231515 | 785nm, 35mW, 45° Fan Angle

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Stock #86-873 [CONTACT US](#)

- 1 + €788<sup>00</sup>

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### Volume Pricing

Qty 1+	€788,00 each
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Prices shown are exclusive of VAT/local taxes

**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads



### General

Coherent® **Manufacturer:**  
Diode **Type of Laser:**

**Laser Class - CDRH:**

IIIb

Model Number:

1231515

## Physical & Mechanical Properties

Pointing Stability ( $\mu\text{rad}/^\circ\text{C}$ ):

<10

Length (mm):

97.80

## Optical Properties

Spatial Mode:

TEM<sub>00</sub>

Wavelength (nm):

785.00

Mode Quality, M<sup>2</sup>:

<1.5

Wavelength Tolerance (nm):

±19

Color:

Infrared

Fan Angle (°):

45.00

## Electrical

Output Power (mW):

35

Modulation Frequency (kHz):

Max Analog: 500

## Hardware & Interface Connectivity

Power Supply:

Power Supply Required and Sold Separately:

USA: [#86-878](#)

Europe: [#86-878](#)

Japan: [#86-878](#)

Korea: [#86-878](#)

China: [#86-878](#)

Electrical Leads/ Pin Connections:

Hirose HR-10P-12S

Output Type:

Free Space

Input Voltage (V):

5 - 24 DC

## Environmental & Durability Factors

Operating Temperature (°C):

-10 to +50

Storage Temperature (°C):

-20 to +60

## Regulatory Compliance

RoHS 2015:

[Exempt](#)

Reach 224:

[Contains SVHC\(s\)](#)

Certificate of Conformance:

[View](#)

## Product Details

For CDRH certified systems, class IIIb lasers require [#86-878](#). These lasers include a Hirose connector and flying lead terminals for compatibility with a variety of power supplies.

- External Focus with up to 100mW Output Power
- Auto Scaling Input Power 5 - 24VDC with Reverse Polarity Protection
- Built-In Microcontroller for Fault Monitor
- [Coherent® StingRay™ Developer's Kit](#) also available

Coherent® StingRay™ and BioRay™ Laser Diode Modules are ideal for a variety of alignment, machine vision, and biomedical applications. They are available in a wide range of output powers, wavelengths, and fan angles. High precision optical components and sophisticated drive electronics provide power and control to your application, reducing signal-to-noise ratios and increasing measurement speed. Coherent® StingRay™ and BioRay™ Laser Diode Modules are designed with a flat top power distribution across the beam profile for consistency in line projection widths.

**Note:** For CDRH certified systems (Class IIIb), [#86-878](#) Laser Controller and additional external voltage source (0.5□5V) with BNC connector is required.

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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