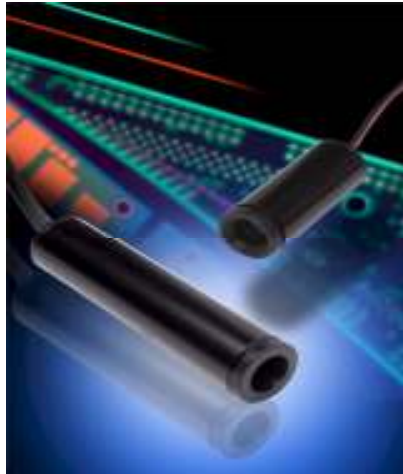


# HPL-series Blue Laser Line Module



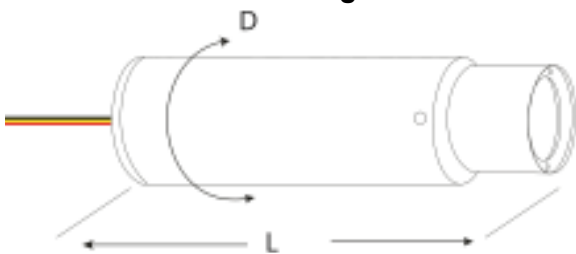
## Product Features

- High Visibility Line
- Adjustable Focus
- Custom Options Available

## Application

- Measurement
- Bioanalytical
- Automation
- Alignment

## Mechanical Drawing



**Operational Hazard-Semiconductor Laser Diode Module:** This laser module emits radiation that is visible and harmful to human eye. When in use, do not look directly into the laser emitting aperture. Direct viewing of laser diode emission at close range may cause eye damage.

**Limited Warranty:** One year. No warranty coverage for disassembly, modifications or damage due to abuse or misapplication.

## Specification

### OPTICAL

Wavelength	440 +/-5 nm
Optical Output Power (net)	Upto 50 mW
Stability	<1% (with heat sink)
Laser Structure	Single Mode
Laser Focus	Adjustable or Fixed ( Optional)
Laser Line Thickness	< 1mm at 2 m distance. Focussable to <0.5 mm at short distance ( 0.5 m)
Laser Class	Depends on Fan angle
Divergence at the collimation	<1 milliradian
Laser Fan angles Available	4,15,30,45, 75, 90 degree

### ELECTRICAL

Operating Voltage	3-5 VDC
Operating Current	<150 mA
Control Circuit	ACC
Electrical Connections	+Red, -Black

### MECHANICAL

Dimension	15mm(D)x 60mm (L)
Cable	200mm
Operating Temperature	+10°C to +30°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements	Recommended for extended use



**Caution:** The case is internally connected to the circuit; damaging to the anodized surface may result in failure of the laser module.

Part Number	Power	Class
HPL-5G-440-**	<5 mW	Varies with Fan
HPL-10G-440-**	10 mW	Varies with Fan
HPL-25G-440-**	25 mW	Varies with Fan
HPL-35G-440-**	35 mW	Varies with Fan
HPL-50G-440-**	50 mW	Varies with Fan

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