

## LES-520 Brightline PRL Dot-Projecting Laser

**Laserglow Part Number: EDH005XXX**

### Similar Products:

For information about the other lasers in this product family visit:

<http://www.laserglow.com/EDH>

### Ordering:

Order Online Now or Request Quote:

<http://www.laserglow.com/EDH005XXX>

### Series Specifications:

Nominal Wavelength	520 nm
Output Type	CW
Laser Source Type	Diode



### Overview:

With most green lasers, the beam may exit the laser at a slight angle. The Brightline PRL series features a beam that is highly parallel with the body. This way, the laser body can be used as your alignment reference. In addition, green lasers are four to five times more visible to the human eye than red lasers of the same output power, making the Brightline PRL Green lasers a versatile alignment solution under any lighting conditions. These products are often used for shaft alignment or the alignment of rotating machinery.

### Key Features:

- *Output Power:* <5 mw=" li="">
- *Expected Life:* 5000-10000 hours
- *Projection Type:* Dot
- *Key Feature:* Beam is highly parallel with laser body
- *Package Includes:* Alignment laser (mounting bracket and power supply optional)
- *Casing:* Machined Aluminum

## Specifications:

This spec sheet has been generated specifically for part number EDH005XXX, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to EDH005XXX have been highlighted below in **red + bold**.

Laser Form Factor	<b>B8</b>
Output Power (mW)	<b>5</b>
FDA Safety Class	<b>IIIa</b>
IEC Safety Class	<b>3R</b>
Central Wavelength (nm)	<b>520</b>
Projection Type (See below for detail)	<b>Dot</b>
Divergence (mrad, full angle)	<b>&lt;0.3</b>
Beam Dimensions (mm, 1/e <sup>2</sup> )	<b>3</b>
Transverse Mode	<b>Near TEM00</b>
Longitudinal Modes	<b>Multiple</b>
IP rating	<b>67</b>
Operating Temperature Range (°C)	<b>10 to 35</b>
Storage Temperature Range (°C)	<b>-10 to 50</b>
Total Power Consumption (W)	<b>2</b>
Max. Power Input Duty Cycle	<b>100%</b>
Cooling Method	<b>Passive Air</b>
Standard Warranty (months)	<b>6</b>
MTTF (operational hours)	<b>10000</b>
Weight of Product or Laser Head (kg)	<b>0.26</b>
Dimensions of Product or Laser Head (mm)	<b>80 (l) x 20 (d)</b>

CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.

Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

### Power Supply Options:

The Brightline Premium series of alignment lasers accept direct DC input of 3 to 6 VDC. The power connector is a 5.5 mm OD, 2.1 mm ID DC Barrel Jack (center pole positive), but non-waterproof connectors are compatible. If you do not want to provide DC current directly, we recommend that you use our AC power supply. The model number for the standard North American AC Power Supply is ABF05AWXX and you can find complete details here:

[www.laserglow.com/ABF](http://www.laserglow.com/ABF).

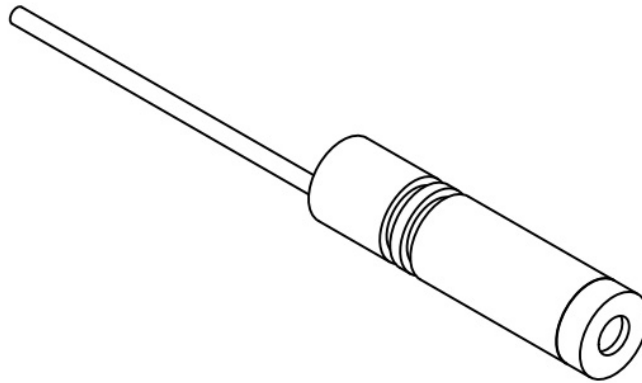
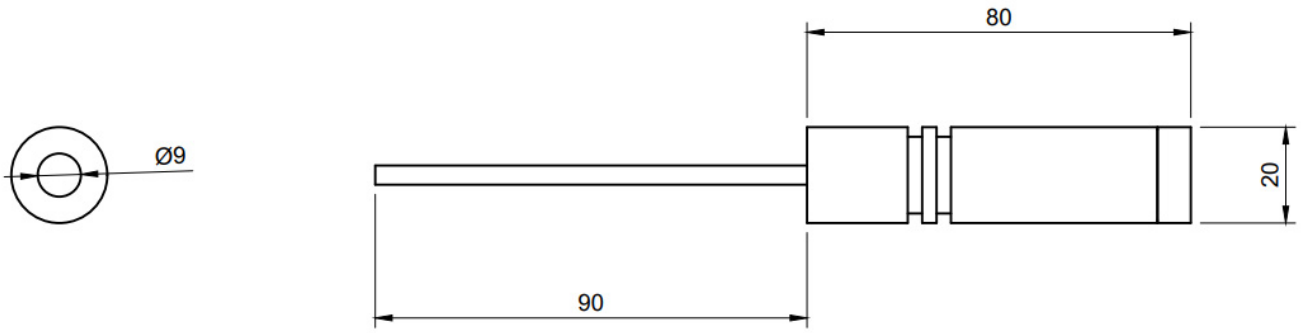
### Regulatory Classification:

The model you have selected (EDH005XXX) requires the following safety label(s):







LASERGLOW.COM LIMITED, 873 St. Clair Ave W, Toronto, ON, Canada M6C 1C4

Dimensional Drawing - Laser Form Factor: B8:



## Accessories:

The most popular accessories for model EDH005XXX are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
 ABB000XXX	ABB-standard Brightline Standard Mounting Bracket Full Details: <a href="http://www.laserglow.com/ABB">www.laserglow.com/ABB</a>	Included With Laser
 ADB000XXX	ADB-deluxe Brightline Deluxe Mounting Bracket Full Details: <a href="http://www.laserglow.com/ADB">www.laserglow.com/ADB</a>	
 ABF000XXX	ABF-N.American Brightline 3V Standard Power Supply (80-260 VAC, N. American plug) Full Details: <a href="http://www.laserglow.com/ABF">www.laserglow.com/ABF</a>	Included With Laser
 ABLATTXXX	Brightline Attenuator c/w Optics Full Details: <a href="http://www.laserglow.com/ABL">www.laserglow.com/ABL</a>	

## FOR MORE INFORMATION PLEASE CONTACT:

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E&OE: Data included in this sheet may be subject to change without notice.

Please confirm critical specifications with our staff prior to ordering.