

## LBD-635 Brightline Economy Cross-Projecting Laser

**Laserglow Part Number:  
BCR005XXX**

### Similar Products:

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

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

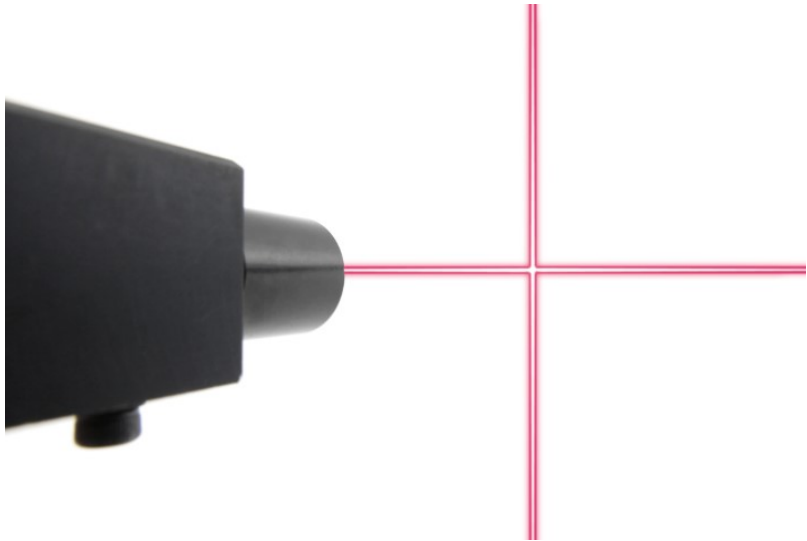
### Ordering:

Order Online Now or Request Quote:

<http://www.laserglow.com/BCR005XXX>

### Series Specifications:

|                    |        |
|--------------------|--------|
| Nominal Wavelength | 635 nm |
| Output Type        | CW     |
| Laser Source Type  | Diode  |



### Overview:

When you need to align in two dimensions at once, Laserglow's cross-generating laser modules enable you to use a set of two perpendicular lines to project a cross on to the work surface. The Brightline Series Red Cross generating laser modules are an economical solution for tasks requiring a moderate level of precision.

### Key Features:

- **Starting at: \$159**
- **Output Power:** 5 mW to >40 mW
- **Expected Life:** 3000-5000 hours
- **Projection Type (dot/line/cross):** Cross
- **Key Feature:** Projects red cross at an economical price.
- **Casing:** Machined Aluminum
- **Package Includes:** Laser module, aluminum casing with tripod mount, plastic carrying case, instructions/warranty (standard power supply and mounting bracket included).
- **Line Straightness:** Better than 0.1% over full length
- **Perpendicularity of lines:** 90° +/- 0.5°

## Specifications:

This spec sheet has been generated specifically for part number BCR005XXX, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to BCR005XXX have been highlighted below in **red + bold**.

|  |                                     |
|--|-------------------------------------|
| Laser Form Factor                        | <b>B4</b>                           |
| Output Power (mW)                        | <b>&lt;5</b>                        |
| Output Power Stability (%RMS/4h)         | <b>&lt;20</b>                       |
| IEC Safety Class                         | <b>2</b>                            |
| Projection Type (See below for detail)   | <b>Cross (Cylindrical Lens CYC)</b> |
| Projection Fan Angle (°, full angle)     | <b>90</b>                           |
| Divergence (mrad, full angle)            | <b>&lt;1</b>                        |
| Beam Dimensions (mm, 1/e <sup>2</sup> )  | <b>4</b>                            |
| Transverse Mode                          | <b>Near TEM00</b>                   |
| Longitudinal Modes                       | <b>Multiple</b>                     |
| Operating Temperature Range (°C)         | <b>-10 to 40</b>                    |
| Total Power Consumption (W)              | <b>1</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>5000</b>                         |
| Weight of Product or Laser Head (kg)     | <b>0.06</b>                         |
| Dimensions of Product or Laser Head (mm) | <b>56 (l) x 16 (d)</b>              |
| Power Supply                             | <b>3.0 VDC input</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:

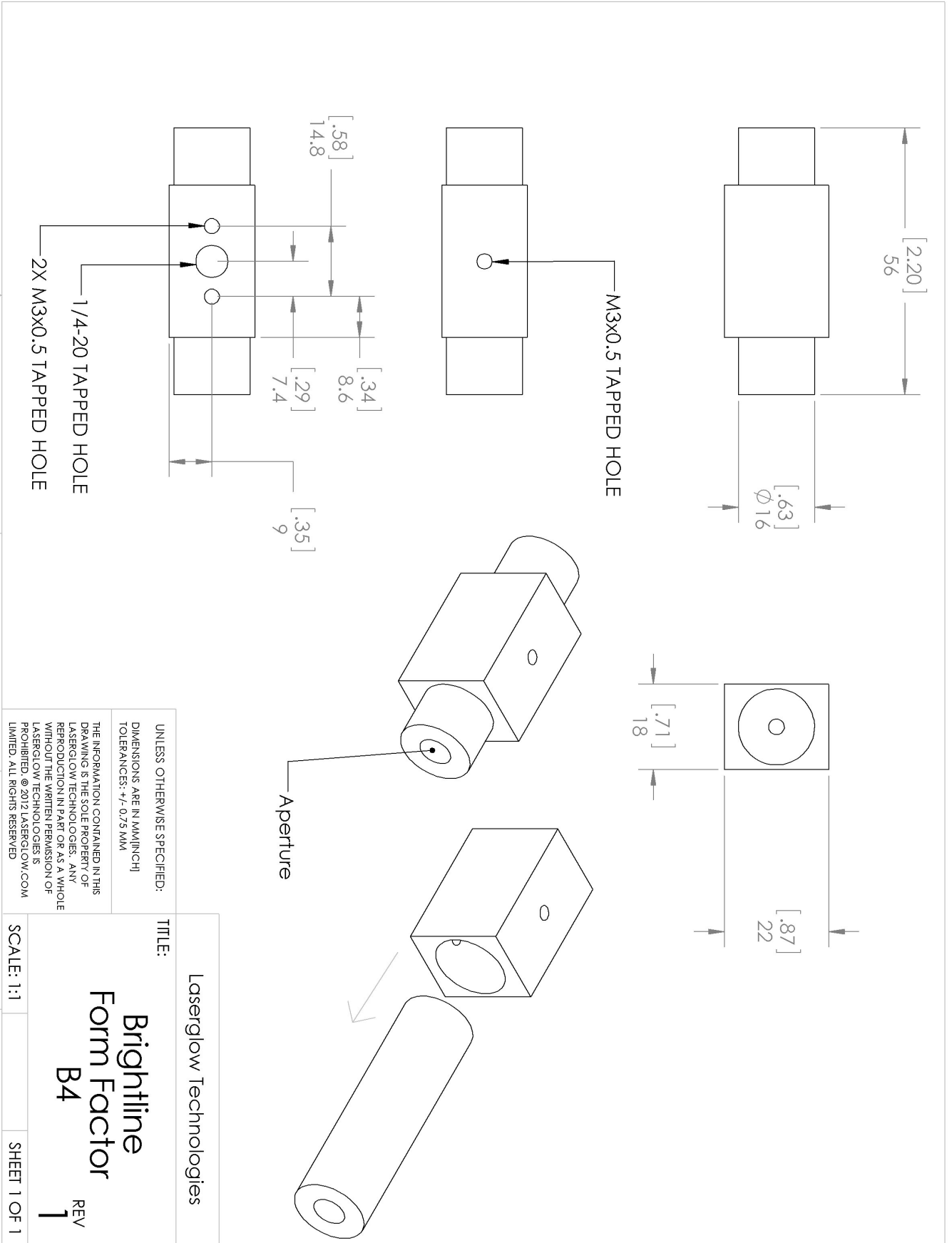
The Brightline Economy and Brightline Pro series of alignment lasers accept direct DC input of 3.0 VDC. The power connector is a 5.5 mm OD, 2.1 mm ID DC Barrel Jack. (center pole positive.) If you do not want to provide DC current directly, we recommend that you use our AC power supply. The model number for the standard North American AC Power Supply is ABP00AFX and you can find complete details here: [www.laserglow.com/ABP](http://www.laserglow.com/ABP). The dimensional drawing for the standard power supply is included on page 5 for your reference.

### Regulatory Classification:

The model you have selected (BCR005XXX) requires the following safety label(s):





**Dimensional Drawing - Laser Form Factor: B4:**



**Accessories:**

The most popular accessories for model BCR005XXX are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

| Part Number  | Description  |                     |
|--|--|---------------------|
| <br>ADB002XXX | ADB-deluxe<br>Brightline Deluxe Mounting Bracket<br>V2<br>Full Details: <a href="http://www.laserglow.com/ADB">www.laserglow.com/ADB</a>                               | Included With Laser |
| <br>ABF00AXXX | ABF-N.American<br>Brightline 3V Standard Power Supply (80-260 VAC, N. American plug)<br>Full Details: <a href="http://www.laserglow.com/ABF">www.laserglow.com/ABF</a> | Included With Laser |

**FOR MORE INFORMATION PLEASE CONTACT:**

LASERGLOW TECHNOLOGIES  
99 Ingram Dr. Unit B, North York, ON, Canada M6M2L7  
Tel. (416) 729-7976 Fax (716) 322-3510  
[sales@laserglow.com](mailto:sales@laserglow.com) [www.laserglow.com](http://www.laserglow.com)

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

Please confirm critical specifications with our staff prior to ordering.