Laserglow Product Datasheet

Brightline Premium Complex Pattern Projecting Laser

Laserglow Part Number: BOQ040221



Similar Products:

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

http://www.laserglow.com/BOQ

Ordering:

Order Online Now or Request Quote:

http://www.laserglow.com/BOQ040221

Series Specifications:

Nominal Wavelength	635 nm
Output Type	CW
Laser Source Type	Diode

Overview:

Specifications:

This spec sheet has been generated specifically for part number BOQ040221, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to BOQ040221 have been highlighted below in **red + bold**.

Output Power (mW)	5, 20, **40**
IEC Safety Class	2, **3R**
Projection Type (See below for detail)	25 Parallel Lines (DOE #254) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #252)
Projection Fan Angle (°, full angle)	5, 7, 18, 21, 22, **26**, 29, 34, 44
Divergence (mrad, full angle)	**<0.3**
Beam Dimensions (mm, $1/e^2$)	**7**
Minimum Achievable Beam Diameter	**0.25 mm at 0.3 m**
IP rating	**67**
Max. TTL Modulation Freq. (Hz)	**500**
Modulation Input Signal	**0-5 VDC**
Total Power Consumption (W)	**1**
Max. Power Input Duty Cycle	**100**
Standard Warranty (months)	**6**
MTTF (operational hours)	**6000**
Weight of Product or Laser Head (kg)	**0.26**
Dimensions of Product or Laser Head (mm)	**68 (l) x 20 (d)**
Power Supply	**3-6 VDC input**

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.

Projection Types:

The folowing projection types are available for this laser series.

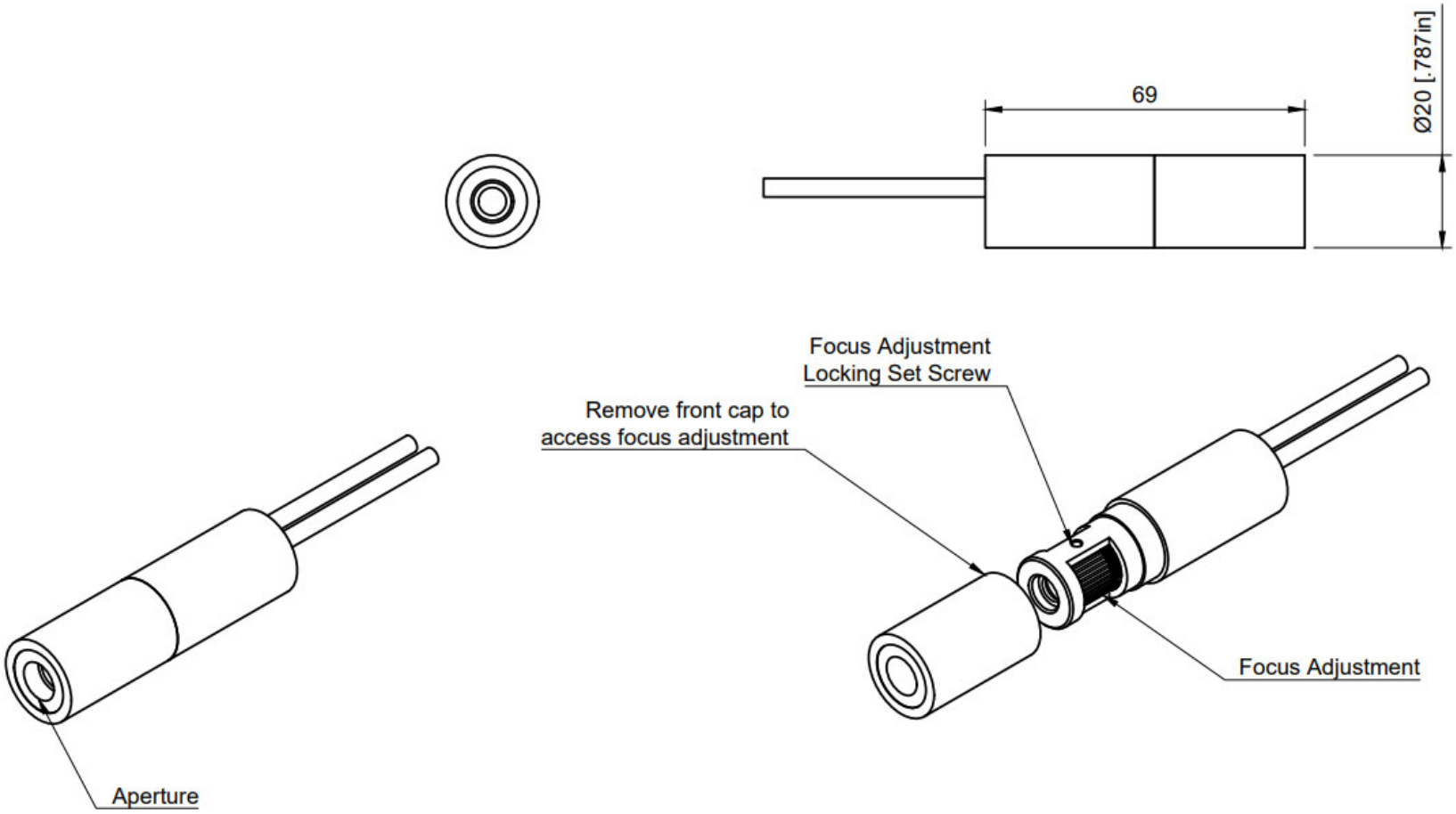
Circle with Central Dot (DOE #219)	Circle of 72 Dots (DOE #221)	Grid of Dots 101x101 (DOE #231)	5 Parallel Lines (DOE #252)	25 Parallel Lines (DOE #254)
Grid of Squares 50x50 (DOE #256)	Grid of Dots 51x51 (DOE #257)	5 Concentric Circles (DOE #259)	Reticle (DOE #260)	Reticle of Dots (DOE #261)
Viewfinder (DOE #288)				

Regulatory Classification:

The model you have selected (BOQ040221) requires the following safety label(s):



Dimensional Drawing - Laser Form Factor: B9:



	Laserglow Technologies
Title Brightline Premium	Dimensions are in mm [inch]
	The information contained in this drawing is the sole property of Laserglow Technologies. Any reproduction in part or as a whole without the written permission of Laserglow Technologies is Prohibited. Rev.

Accessories:

The most popular accessories for model BOQ040221 are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
 ADB002XXX	ADB-deluxe Brightline Deluxe Mounting Bracket V2 Full Details: www.laserglow.com/ADB	Included With Laser
 ABC2SPXXX	2 Lead Brightline Splitter Cable Full Details: www.laserglow.com/ABC	
 ABC4SPXXX	4 Lead Brightline Splitter Cable Full Details: www.laserglow.com/ABC	
 ABC72EXXX	2 m (6 ft) Brightline Power Extension Cable Full Details: www.laserglow.com/ABC	
 ABF05A3WX	ABF-N.American Brightline Premium 5V Power Supply (80-260 VAC, N. American plug) 3A w/WP connector For Brightline Premium Only Full Details: www.laserglow.com/ABF	Included With Laser

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.