

Laserglow Product Datasheet

Brightline Premium Complex Pattern Projecting Laser

Laserglow Part Number: BOH005221

Similar Products:

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

http://www.laserglow.com/BOH

Ordering:

Order Online Now or Request Quote:

http://www.laserglow.com/BOH005221

Series Specifications:

Nominal Wavelength	520 nm
Output Type	CW
Laser Source Type	Diode





Specifications:

This spec sheet has been generated specifically for part number BOH005221, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to BOH005221 have been highlighted below in **red + bold**.

Output Power (mW) 5, >20, 40 IEC Safety Class 2, 3R Projection Type (See below for detail) 5 Concentric Circles (DOE #259) 5 Parallel Lines		
Projection Type (See below for detail) Projection Fan Angle (°, full angle) Projection Fan Angle (°, full angle) Divergence (mrad, full angle) Beam Dimensions (mm, 1/e²) Minimum Achievable Beam Diameter IP rating Max. TTL Modulation Freq. (Hz) Modulation Input Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) Projection Type (See Sconcentric Circles (DOE #259) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #254) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #254) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #254) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #254) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #254) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 4, 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 4. 5, 14, 18, 21, 22, 24, 28 6. 3 Minimum Achievalle 6. 7 Minimum Achievalle 6. 7 Max. TTL Modulation Input 500 67 Max. TTL Modulation Input 67 Ma	Output Power (mW)	5 , >20, 40
Projection Type (See below for detail) Projection Fan Angle (°, full angle) Projection Fan Angle (°, full angle) Divergence (mrad, full angle) Beam Dimensions (mm, 1/e²) Minimum Achievable Beam Diameter IP rating Max. TTL Modulation Freq. (Hz) Modulation Input Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 5 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 4, 5, 14, 18, 21, 22, 24, 28 4, 5, 14, 18, 21, 22, 24, 28 6 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 6 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 5 Parallel Lines (DOE #259) 6 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 6 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 6 Concentric Circles (DOE #259) 6 Concentric Circles (DOE #259) 4, 5, 14, 18, 21, 22, 24, 28 6 Concentric Circles (DOE #259) 5 Parallel Lines (DOE #259) 6 Concentric Circles (Doe #259) 7 Concentric Circle	IEC Safety Class	2 , 3R
(°, full angle) A, 5, 14, 18, 21, 22, 24, 28 Divergence (mrad, full angle) Beam Dimensions (mm, 1/e²) Minimum Achievable Beam Diameter IP rating 67 Max. TTL Modulation Freq. (Hz) Modulation Input Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 4, 5, 14, 18, 21, 22, 24, 28 67 Max. TTL Modulation Input 0.25 mm at 0.3 m Beam Dimensions of 24, 25, 24, 28 67 Max. TTL Modulation Input 0.25 mm at 0.3 m Beam Dimensions of 24, 25, 24, 28 68 68 68 68 68 68 68 68 68	, , , ,	5 Concentric Circles (DOE #259)
full angle) Beam Dimensions (mm, 1/e²) Minimum Achievable Beam Diameter IP rating Max. TTL Modulation Freq. (Hz) Modulation Input Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 7 0.25 mm at 0.3 m 0.25 mm at 0.3 m 10.3 m 10.4 mat 0.3 m 10.5 mm at 0.3 m 10.6 mat 0.3 m 10.6 mat 0.5 wm at 0.3 m 10.6 mat 0.3 m 10.6 mat 0.3 m 10.7 mat 0.3 m 10.8 mat 0.3 m 10.9 mat 0.3 m 10.9 mat 0.3 m 10.0	,	4, 5, 14, 18, 21 , 22, 24, 28
Minimum Achievable Beam Diameter IP rating 67 Max. TTL Modulation Freq. (Hz) Modulation Input Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) Minimum at 0.3 m 0.25 mm at 0.3 m 100 11 100 67 67 67 68 (I) x 20 (d)	, , ,	<0.3
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) 6 Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 66		7
Max. TTL Modulation Freq. (Hz) Modulation Input Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) Freq. 500 1 0-5 VDC 1 1 6 6 MTTF (operational hours) 6 000 0.26 68 (I) x 20 (d)		0.25 mm at 0.3 m
Modulation Freq. (Hz) Modulation Input Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 500 0-5 VDC 1 1 0-5 VDC 1 6 6 000 1 000 6 6 6 6 6 6 6 6 6 6 6	IP rating	67
Signal Total Power Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 100 6000 0.26 68 (I) x 20 (d)	Modulation Freq.	500
Consumption (W) Max. Power Input Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 100 6000 0.26 68 (I) x 20 (d)		0-5 VDC
Duty Cycle Standard Warranty (months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 68 (I) x 20 (d)		1
(months) MTTF (operational hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 6000 0.26 68 (I) x 20 (d)		100
hours) Weight of Product or Laser Head (kg) Dimensions of Product or Laser Head (mm) 68 (I) x 20 (d)		6
Laser Head (kg) Dimensions of Product or Laser Head (mm) 68 (I) x 20 (d)	\ .	6000
Product or Laser Head (mm) 68 (I) x 20 (d)		0.26
Power Supply 3-6 VDC input	Product or Laser	68 (I) 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.

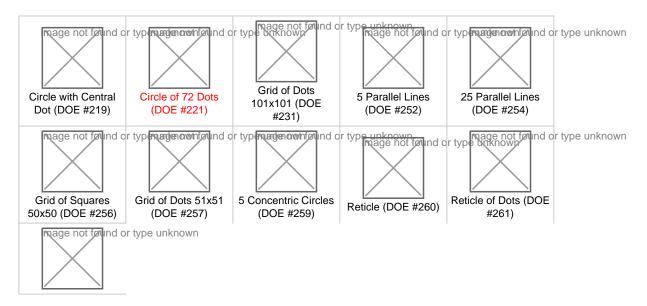
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

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 following projection types are available for this laser series.



Regulatory Classification:

The model you have selected (BOH005221) requires the following safety label(s):



Dimensional Drawing - Laser Form Factor: B9: Aperture Remove front cap to access focus adjustment Focus Adjustment Locking Set Screw Brightline Premium properly of Lasergiow Technologies. Any reproduction properly of Lasergiow Technologies. Any reproduction in part or as a whole without the written permission of Lasergiow Technologies is Prohibited. 69 Focus Adjustment Laserglow Technologies Dimensions are in mm [inch] Ø20 [.787in]

Accessories:

The most popular accessories for model BOH005221 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	
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:

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