

## Laserglow Product Datasheet

### Vega Portable Yellow Laser Module



#### Series Specifications:

Nominal Wavelength	593.5 nm
Output Type	CW
Laser Source Type	DPSS

#### Overview:

Laserglow's Vega Series yellow portable laser uses advanced solid-state sum-frequency-generation technology miniaturized into a 593.5 nm portable laser. The Vega is truly a technological marvel allowing the portability of a battery-operated laser in a wavelength previously only available in bench-top lab lasers.

#### Key Features:

- *Starting at: \$799*
- *Output Power: 2 mW - 10 mW*
- *Wavelength: 593.5 nm (yellow)*
- *Key Feature: Portable, battery powered at 593.5 nm*
- *Casing: Hard Anodized Machined Aluminum*
- *Package Includes: Portable laser, aluminum frame carrying case, instructions/warranty.*
- *Warranty: 6 Month Standard/12 Month Extended*
- *Duty Cycle: 5 min. on/1 min. off*

**U.S. Orders:** This laser cannot be shipped to the United States. If you live in the USA please consider the [Rigel laser](#) which has simple push-button operation and is Class IIIa compliant. If you require high power, then you may also consider the [593.5 nm laboratory laser](#), which provides similar output but is not portable. [Click here for more information.](#)

**Canadian Orders:** This laser can be shipped within Canada to Canadian companies who provide the following documentation:

- A valid LSO Certificate with a certified Laser Safety Officer on the premises
- A company purchase order
- A signed Declaration of Use. Please contact our sales department for this form

## Specifications:

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

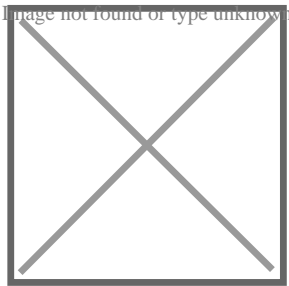
Output Power (mW)	<b>&gt;2</b>
Central Wavelength (nm)	<b>593.5</b>
Divergence (mrad, full angle)	<b>&lt;1.5</b>
Beam Dimensions (mm, 1/e <sup>2</sup> )	<b>4</b>
Warm-up Time (minutes)	<b>1</b>
Approximate Peak Power (W)	<b>6</b>
Operating Temperature Range (°C)	<b>15 to 35</b>
Total Power Consumption (W)	<b>4</b>
Max. Power Input Duty Cycle	<b>5 min. on/1 min. off</b>
Standard Warranty (months)	<b>6</b>
MTTF (operational hours)	<b>5000</b>
Weight of Product or Laser Head (kg)	<b>0.3</b>
Dimensions of Product or Laser Head (mm)	<b>230 (l) x 38 (d)</b>
Power Supply	<b>2 x C Batteries</b>

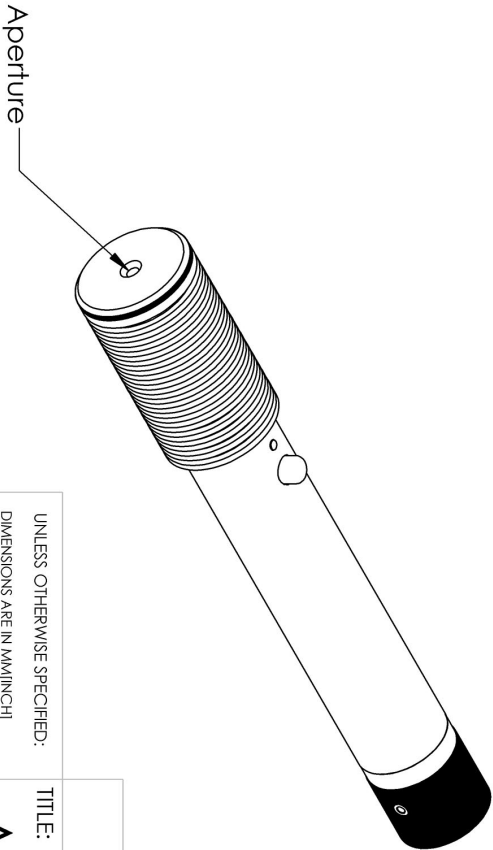
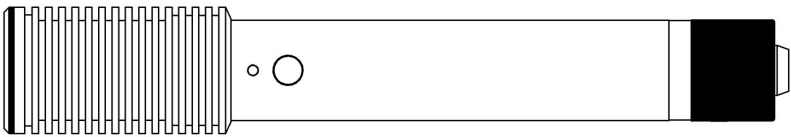
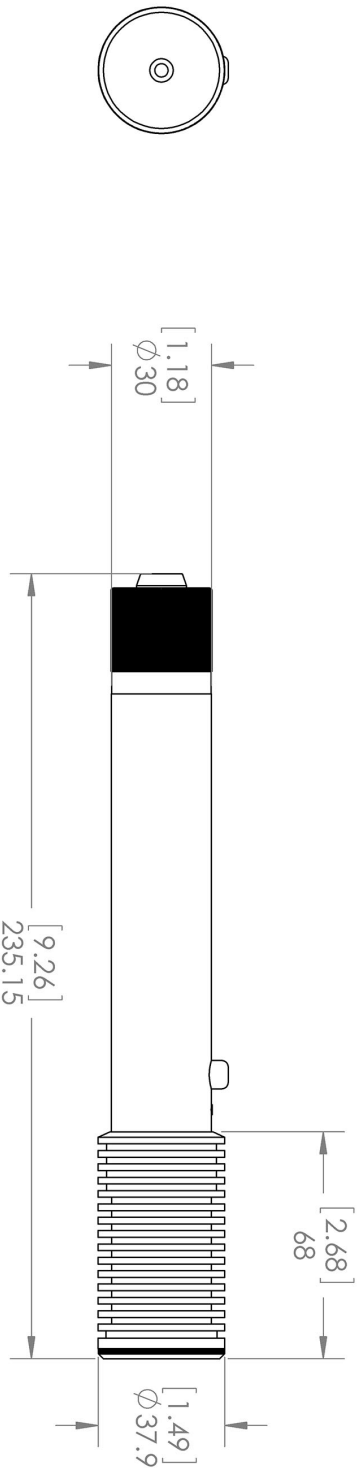
CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.

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.

**Regulatory Classification:**

The model you have selected (GVE-GAR) requires the following safety label(s):








Laserglow Technologies	
TITLE:	
Aries / Vega / Scorpius /	
REV 1	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM(INCH) TOLERANCES: +/- 0.75 MM	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LASERGLLOW TECHNOLOGIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LASERGLLOW TECHNOLOGIES IS PROHIBITED. © 2012 LASERGLLOW.COM LIMITED. ALL RIGHTS RESERVED	
SCALE: 1:2	SHEET 1 OF 1

## Accessories:

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

Part Number	Description	
 AGM00AXXX	Aries GlowMount Tripod Adaptor Full Details: <a href="http://www.laserglow.com/AGM">www.laserglow.com/AGM</a>	
 AGF59459X	Optical Density 6 Fit over prescription glasses Protect your vision when working with Class IIIb and Class IV green lasers. Full Details: <a href="http://www.laserglow.com/AGF">www.laserglow.com/AGF</a>	
 ACAGAR1XX	Carrying Case-3 Aries/Scorp/Scorp-D/Orion/OrionHV/Vega/Polaris - Small Full Details: <a href="http://www.laserglow.com/ACA">www.laserglow.com/ACA</a>	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.