

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**.

Laser Form Factor	GAR
Output Power (mW)	>2, >5, >10
FDA Safety Class	IIIa, IIIb
Central Wavelength (nm)	593.5
Divergence (mrad, full angle)	<1.5
Beam Dimensions (mm, 1/e ²)	4
Transverse Mode	TEM00
Longitudinal Modes	Multiple
Warm-up Time (minutes)	1
Approximate Peak Power (W)	6, 12, 16
Operating Temperature Range (°C)	15 to 35
Storage Temperature Range (°C)	-10 to 50
Total Power Consumption (W)	4, 5
Max. Power Input Duty Cycle	5 min. on/1 min. off
Cooling Method	Passive Air
Standard Warranty (months)	6
MTTF (operational hours)	5000
Weight of Product or Laser Head (kg)	0.3
Dimensions of Product or Laser Head (mm)	230 (l) x 38 (d)
Power Supply	2 x C Batteries

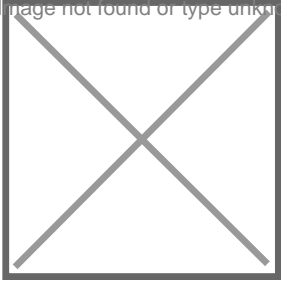
CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.

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.

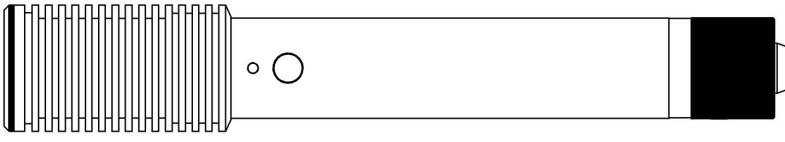
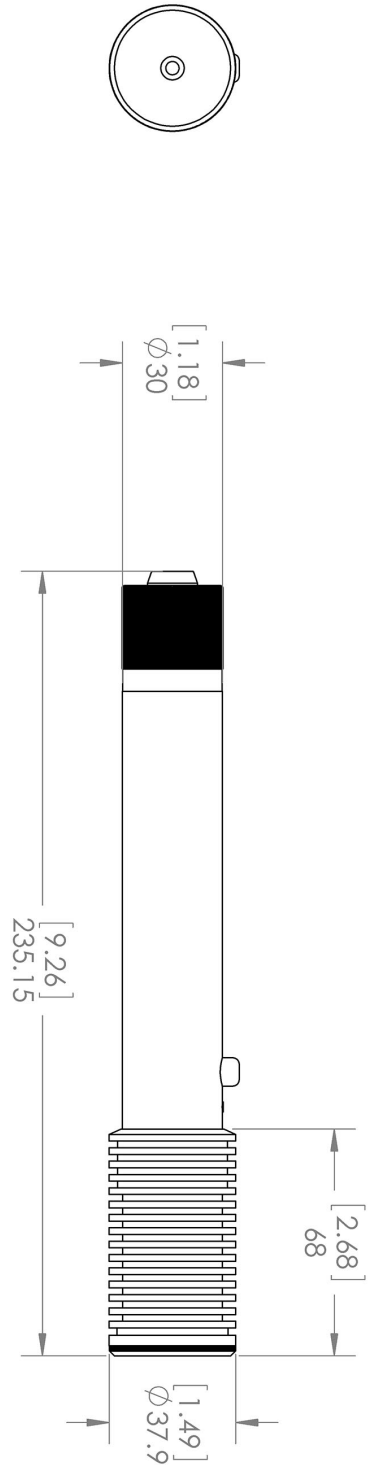
Regulatory Classification:

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

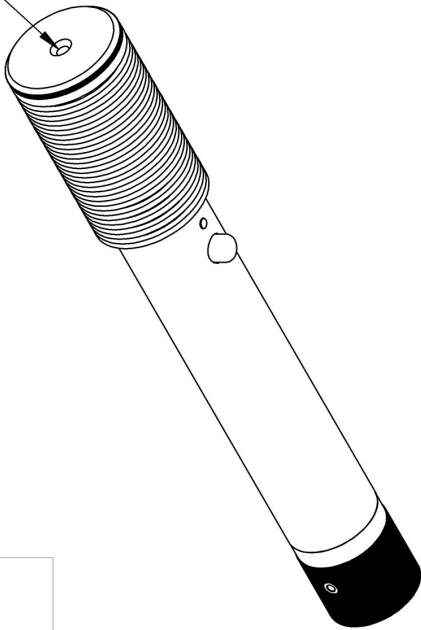
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Dimensional Drawing - Laser Form Factor: GAR:



Aperture



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN MM(INCH)
 TOLERANCES: +/- 0.75 MM

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TITLE:
 Laserglow Technologies

Aries / Vega /
 Scorpius





REV
 1

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: www.laserglow.com/AGM	
 AGF59459X	Optical Density 6 Fit over prescription glasses Protect your vision when working with Class IIIb and Class IV green lasers. Full Details: www.laserglow.com/AGF	
 ACAGAR1XX	Carrying Case-3 Aries/Scorp/Scorp-D/Orion/OrionHV/Vega/Polaris - Small Full Details: www.laserglow.com/ACA	Included With Laser
 ASE001XXX	Engraving On Laser Pointer Max. 2 lines 45 characters each Full Details: www.laserglow.com/ASE	

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.