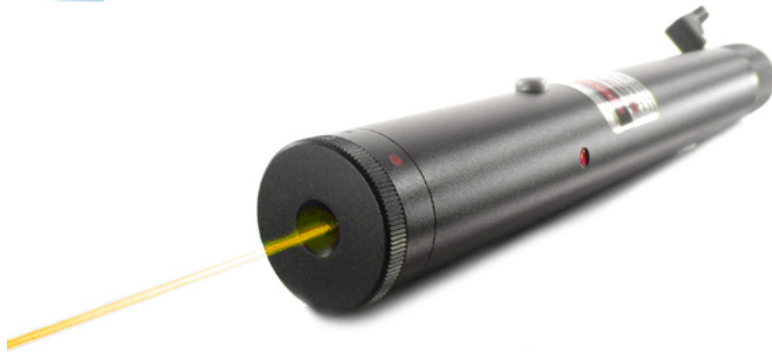


Laserglow Product Datasheet

Rigel HV PRO Portable Yellow Laser Module



Series Specifications:

Nominal Wavelength	589 nm
Output Type	CW
Laser Source Type	DPSS

Overview:

The new 589 nm bright yellow laser from Laserglow is noticeably brighter and more "yellow" than the original 593.5 nm Rigel/Vega series yellow lasers. (The 593.5 lasers are often described as "amber-yellow".) This wavelength is closer to the middle of the spectrum, making it brighter to the human eye and more suitable for applications requiring high visibility, long range operation, etc. This is really the brightest and "yellowest" portable yellow laser on the market!

Key Features:

- *Starting at: \$489*
- *Output Power:* 0.6 mW - 20 mW, varies based on model
- *Expected Life:* 3000-5000 hours
- *Wavelength:* 589 nm (bright yellow)
- *Key Feature:* The brightest and most visible yellow laser on the market!
- *Casing:* Machined Aluminum
- *Package Includes:* Portable laser, aluminum carrying case, instructions/warranty.
- *Safety Info:* Class IIIa/IIIb
- *Duty Cycle:* 30 sec. on/15 sec. off

U.S. Orders: Class IIIb versions of this laser cannot be shipped to the United States. If you live in the USA please choose a Class IIIa model, or consider the [589 nm laboratory laser](#) which provides similar output but is not portable. [Click here for more information.](#)

Canadian Orders: Class IIIb version of 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 GRV-GAQ, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to GRV-GAQ have been highlighted below in **red + bold**.

Output Power (mW)	<2, >10
Central Wavelength (nm)	588.6
Divergence (mrad, full angle)	<1.5
Beam Dimensions (mm, 1/e ²)	1.5
Operating Temperature Range (°C)	15 to 35
Total Power Consumption (W)	2, 3
Max. Power Input Duty Cycle	30 sec. on/15 sec. off
Standard Warranty (months)	6
MTTF (operational hours)	5000
Weight of Product or Laser Head (kg)	0.18
Dimensions of Product or Laser Head (mm)	199 (l) x 23 (d)
Power Supply	1 x CR123A Battery

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.

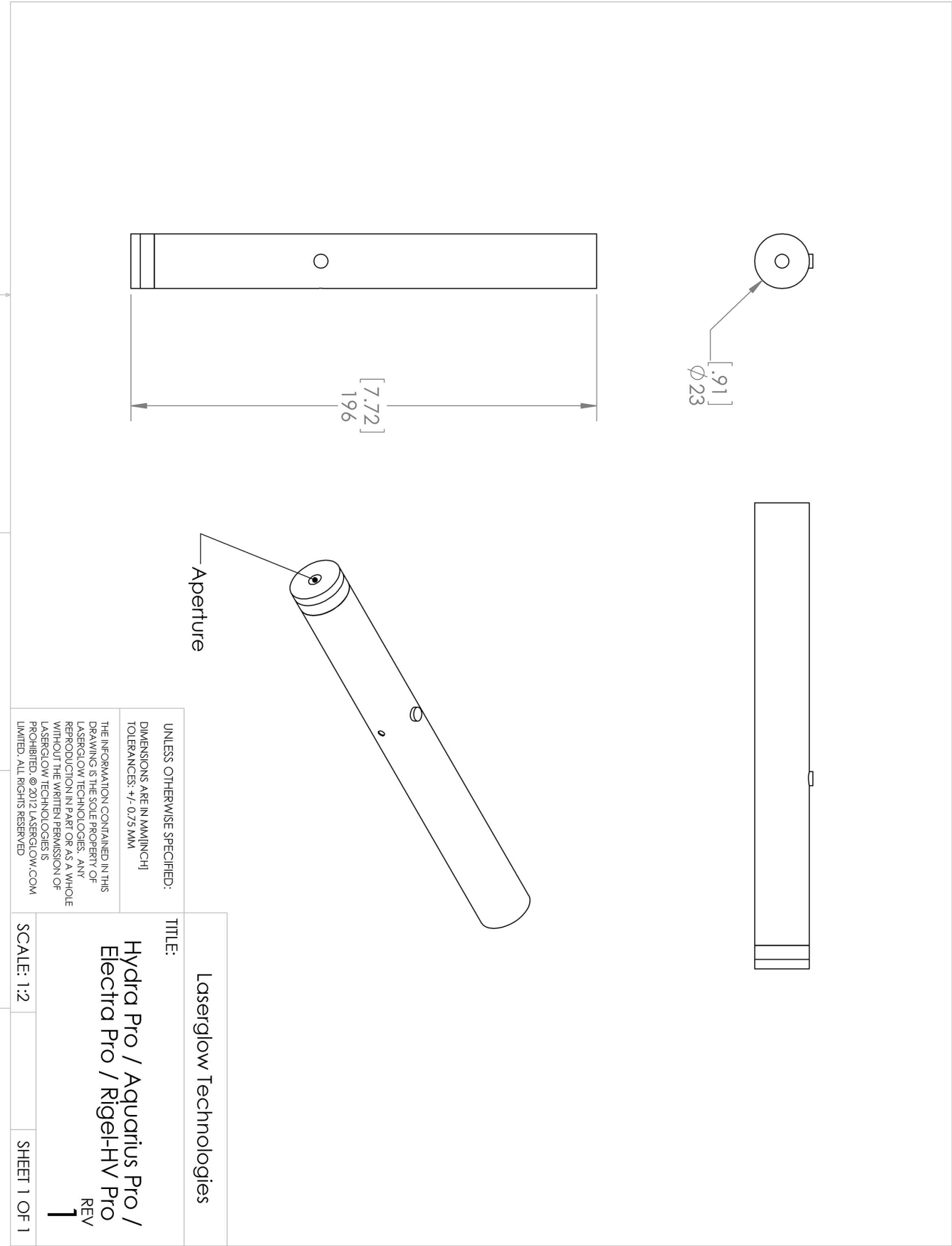
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

Regulatory Classification:

The model you have selected (GRV-GAQ) requires the following safety label(s):





Dimensional Drawing - Laser Form Factor: GAQ:



Accessories:

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

Part Number	Description	
 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	
 ACAGAQPXX	Carrying Case-6 AquariusPro/ElectraPro/Rigel HVPro/HydraPro Full Details: www.laserglow.com/ACA	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.