Laserglow Product Datasheet

Aries Portable Green Laser Module

Laserglow Part Number: GAR175XXX



This model is listed as **inactive** in our product database. Stock may be limited, and availability is subject to change without notice.

Similar Products:

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

http://www.laserglow.com/GAR

Ordering:

Order Online Now or Request Quote:

http://www.laserglow.com/GAR175XXX

Series Specifications:

Nominal Wavelength	532 nm
Output Type	CW
Laser Source Type	DPSS

Overview:

Laserglow's original portable green laser, the Aries Series is built from the ground up for continuous high-power operation. The Aries offers power levels of up to 150 mW at 532 nm. The machined aluminum heat sink dissipates excess heat generated in the laser cavity and keeps the Aries running at a 100% duty cycle.

The Aries Series 150 mW to 175 mW have found their way into many industries and commercial applications, including scientific field work, educational demonstrations, long distance signaling, and many more.

The Aries are IR filtered for safety and the output power is measured on each unit individually for a 10-minute continuous period to ensure sustained performance. This test is done at least 3 times during various stages of quality control before being shipped to the customer.

Key Features:

- *Starting at:* **$229**
- *Output Power:* 20 mW - 150 mW
- *Pump Diode:* 1.0-1.2 W 808 nm
- *Key Feature:* Highly visible beam at night, generates high temperatures at close range.
- *Wavelength:* 532 nm (green)
- *Casing:* Hard Anodized Machined Aluminum
- *Package Includes:* Portable laser, aluminum framed carrying case, instructions/warranty.
- *Warranty:* 6 Month Standard/12 Month Extended
- *Duty Cycle:* 100%

U.S. Orders: This laser cannot be shipped to the United States. If you live in the USA please consider the Galileo green laser, which has a similar click on/off switch, 100% duty cycle, and is Class IIIa compliant. If you require high power, then you may also consider the 532 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 GAR175XXX, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to GAR175XXX have been highlighted below in **red + bold**.

Output Power (mW)	>125, **>175**
Central Wavelength (nm)	**531.65**
Divergence (mrad, full angle)	**<1.2**
Beam Dimensions (mm, $1/e^2$)	**1.5**
Warm-up Time (minutes)	**1**
Approximate Peak Power (W)	165, **215**
Operating Temperature Range (°C)	**15 to 35**
Total Power Consumption (W)	**4**
Max. Power Input Duty Cycle	**100%**
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**

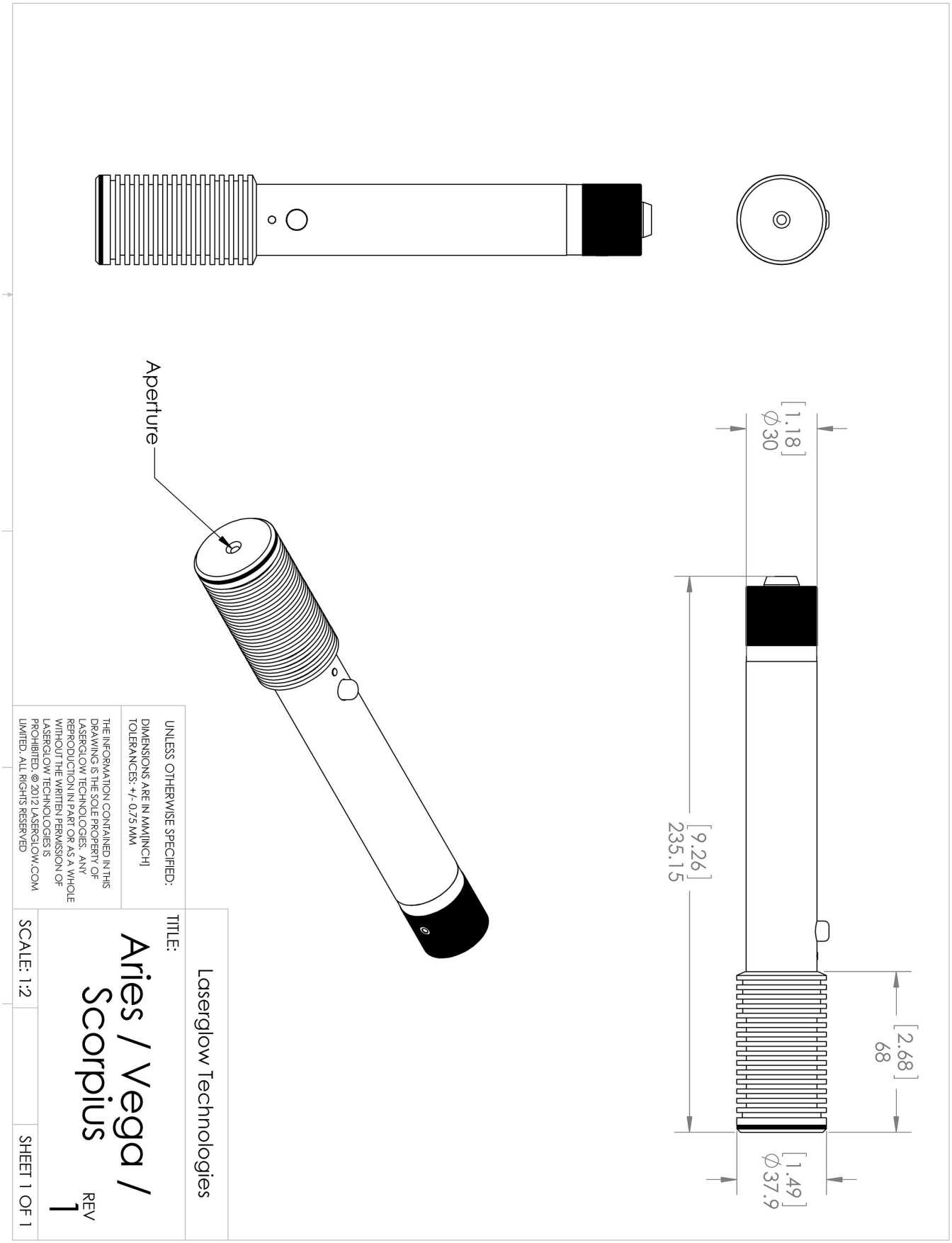
CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics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

Regulatory Classification:

The model you have selected (GAR175XXX) requires the following safety label(s):



Dimensional Drawing - Laser Form Factor: GAR:



Accessories:

The most popular accessories for model GAR175XXX are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
 ADR00AXXX	X10DR-Aries 532nm Expansion: 10X Full Details: www.laserglow.com/ADR	
 AGF5322XX	LSG-532-NF-2 Fit-Over Safety Goggles 532nm Output: OD 2+ at 400-532 nm CE Certified Full Details: www.laserglow.com/AGF	
 AGM00AXXX	Aries GlowMount Tripod Adaptor Full Details: www.laserglow.com/AGM	
 AGS5322XX	LSG-532-NS-2 Sport Laser Safety Goggles 532nm Output: OD 2+ at 400-532 nm CE Certified Full Details: www.laserglow.com/AGS	
 ACAGAR1XX	Carrying Case-3 Aries/Scorp/Scorp-D/Orion/OrionHV/Vega/Polaris - Small 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.