

## Hydra Blue Laser Pointer



### Series Specifications:

|                    |        |
|--------------------|--------|
| Nominal Wavelength | 447 nm |
| Output Type        | CW     |
| Laser Source Type  | Diode  |

### Overview:

Cutting-edge 447 nm laser diode technology is what makes this blue laser pointer both unique and affordable. Keep everyone's attention with the Hydra's deep blue light. This

#### Key Features:

- *Starting at: \$279*
- *Output Power: 2 mW - 4.99 mW (Varies with model)*
- *Expected Life: 5000 hours*
- *Wavelength: 447 nm (blue)*
- *Key Feature: Cutting-edge laser diode technology in an affordable blue laser pointer!*
- *Package Includes: Laser pointer, aluminum carrying case, instructions/warranty.*
- *Casing: Piano-black finished Brass with gold accents*
- *Safety Info: Complies with Class IIIa regulations*
- *Duty Cycle: 100%*

## Specifications:

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

|  |                           |
|--|---------------------------|
| Laser Form Factor                        | <b>GAP</b>                |
| Output Power (mW)                        | <b>&lt;5</b>              |
| FDA Safety Class                         | <b>IIIa</b>               |
| Central Wavelength (nm)                  | <b>447</b>                |
| Wavelength Tolerance (+/- nm)            | <b>5</b>                  |
| Divergence (mrad, full angle)            | <b>&lt;1.5</b>            |
| Beam Dimensions (mm, 1/e <sup>2</sup> )  | <b>5</b>                  |
| Transverse Mode                          | <b>Near TEM00</b>         |
| Longitudinal Modes                       | <b>Multiple</b>           |
| Approximate Peak Power (W)               | <b>5</b>                  |
| Operating Temperature Range (°C)         | <b>-5 to 40</b>           |
| Storage Temperature Range (°C)           | <b>-10 to 50</b>          |
| Total Power Consumption (W)              | <b>1</b>                  |
| Max. Power Input Duty Cycle              | <b>100%</b>               |
| Cooling Method                           | <b>Passive Air</b>        |
| Standard Warranty (months)               | <b>6</b>                  |
| MTTF (operational hours)                 | <b>5000</b>               |
| Weight of Product or Laser Head (kg)     | <b>0.1</b>                |
| Dimensions of Product or Laser Head (mm) | <b>150 (l) x 16.5 (d)</b> |
| Power Supply                             | <b>2 x CR2 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.

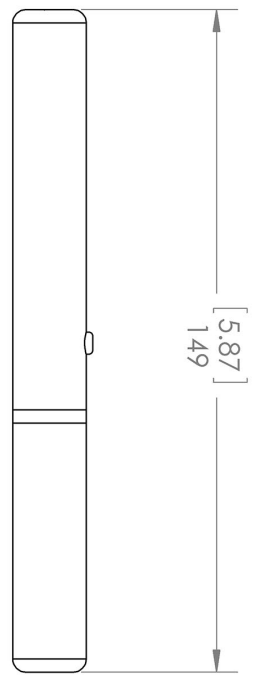
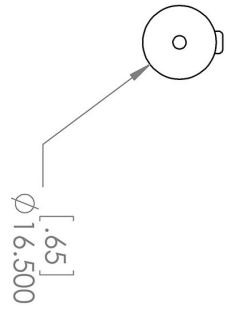
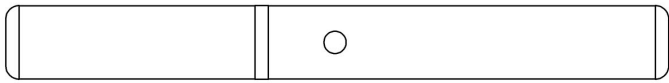
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

## Regulatory Classification:

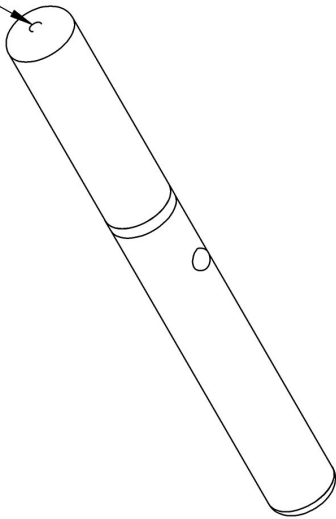
The model you have selected (GHP-GAP) requires the following safety label(s):



**Dimensional Drawing - Laser Form Factor: GAP:**



Aperture



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MM(INCH)  
TOLERANCES: +/- 0.075 MM

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Laserglow Technologies



TITLE:  
**Aquarius /  
Rigel HV /  
Electra / Hydra**  
REV  
**1**

SCALE: 2:3

SHEET 1 OF 1

**Accessories:**

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

| Part Number  | Description   |                     |
|--|---|---------------------|
| <br>AGF5327XX | LSG-532-NF-7 Fit-Over Safety Goggles 532nm<br>Output: OD 7+ at 190-532 nm<br>CE Certified<br>Full Details: <a href="http://www.laserglow.com/AGF">www.laserglow.com/AGF</a> |                     |
| <br>ACAGAQ1XX | Carrying Case-7<br>Aquarius/Electra/Rigel HV/Hydra<br>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.