

## PHOTON CONTROL Inc.

The PLS-1DH Deuterium Halogen Light Source has been designed for Industrial, Research and Development and Educational applications. It has a wide spectral range of 200 to 1100nm that is suitable for UV, Visible and IR applications. The separate Deuterium and Halogen sources can be operated either individually or as a combined source, using external switches or TTL signals. This source also includes a mechanical shutter that can be controlled with either an external switch or TTL signal.

Advantages of Using the PLS-1DH Deuterium Halogen Light Source:

- integrated UV, Visible and IR light source
- wide spectral range from 200 to 1100 nm
- can be used as either a Deuterium, Halogen or Combined Deuterium-Halogen source

# PLS-1DH DEUTERIUM HALOGEN LIGHT SOURCE



# PHOTON CONTROL Inc.

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## PERFORMANCE SPECIFICATIONS

Spectral Range (nm)	• 200 to 1100
Lifetime (MTBF) (hours)	• Deuterium lamp - 1000 • Halogen lamp - 2000
Fiber Connector	• SMA
Recommended Fiber	• 100 micron core or larger
Numerical Aperture	• Deuterium - 0.245 • Halogen - 0.057

## OPERATING SPECIFICATIONS

Operating Temperature Range (°C)	• +5 to +35
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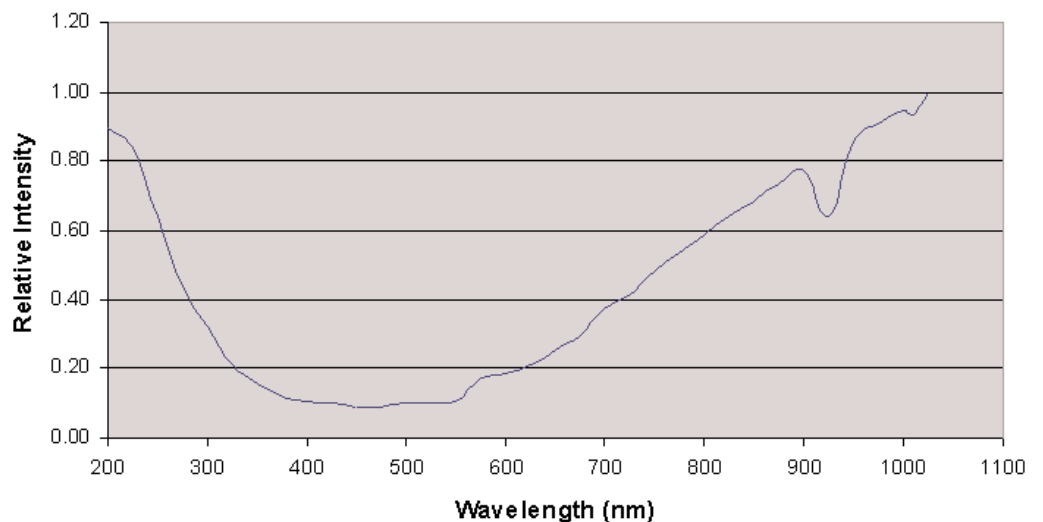
## ELECTRICAL SPECIFICATIONS

Power Supply	• 12 VDC, 650 mA
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## PHYSICAL SPECIFICATIONS

Dimensions (mm)	• 118 x 81 x47
Weight (g)	• 385

Photon Control PLS-1DH  
Typical Spectral Curve



SPECIFICATIONS ARE SUBJECT  
TO CHANGE WITHOUT NOTICE

January 13, 2006

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