



# **Analamp<sup>®</sup>** **Mercury Lamps**

## **Features**

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- **High UV-VIS Output**
- **Low Noise**
- **Ozone Free & Ozone Producing**
- **Application Specific Phosphor Coatings**
- **Various Lengths And Configurations**
- **Rare Gas Filled Analamps: Neon, Argon, Krypton, Xenon**
- **ISO 9001: 2000 Certified**

## **Applications**

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- **Spectroscopy, Fluorometry, Wavelength Calibration**
- **Water & Air Purification**
- **Ozone Generators, Interferometers**
- **Photochemical Studies, UV Curable Polymers**
- **Fixed Wavelength Photometers**
- **UV Sterilizers, Analytical Instruments**

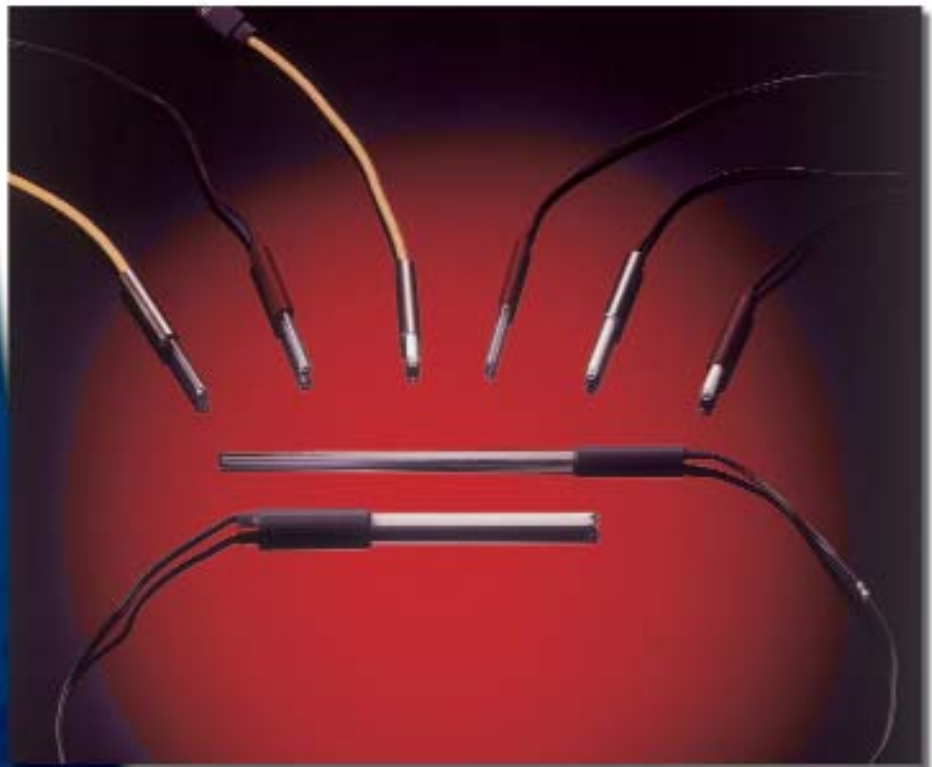
**BHK** offers a wide variety of **Analamp<sup>®</sup>** light sources for analytical, industrial, medical and scientific uses.

**BHK Analamps<sup>®</sup>** feature an efficient double-bore tubing construction using high quality fused silica. Low-pressure mercury **Analamps<sup>®</sup>** provide reliable **UV-VIS** radiation and are also available with a special quartz jacket that eliminates 185nm radiation for ozone-free operation. This jacketing also provides more stable lamp operation by reducing the effects of rapid ambient temperature changes.

**Analamps<sup>®</sup>** are manufactured using the strictest quality control and product testing procedures. All **BHK Mercury Analamps<sup>®</sup>** are available with application-specific phosphor coatings to meet your needs. Contact BHK with your requirements and phosphor information. Special rare gas **Analamps<sup>®</sup>** are also available with fills of Argon, Krypton, Neon, or Xenon when other wavelengths are required.

A full line of power supplies are available. Ask for our Power Supply Data Sheet for a complete selection to meet your needs.

Consult our knowledgeable staff for more detailed specifications on our standard line of Analamp products, or to design a custom lamp to fit your application. Design and application information is also available in BHK's "Low Pressure Mercury Lamp Application Note". Request publication AN 1000.



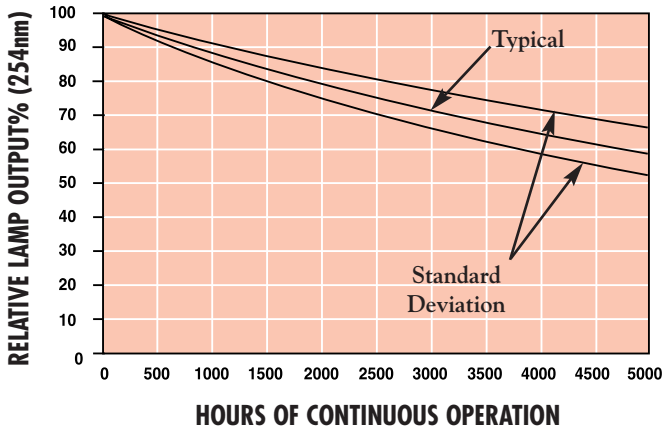
**More Than A Lamp Manufacturer**

**[www.bhkinco.com](http://www.bhkinco.com)**

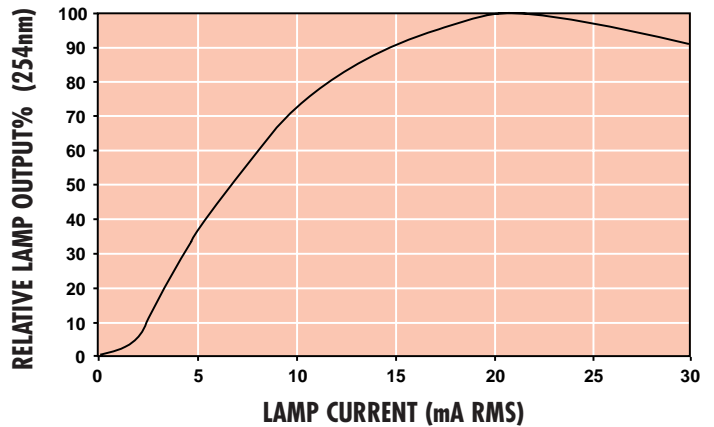
# Analamp®

## Mercury Lamps

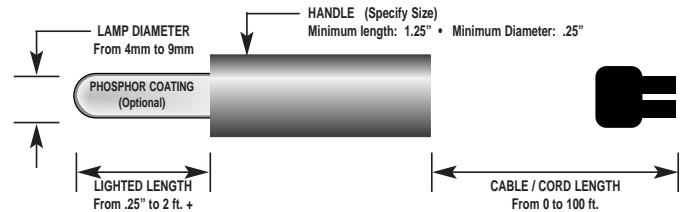
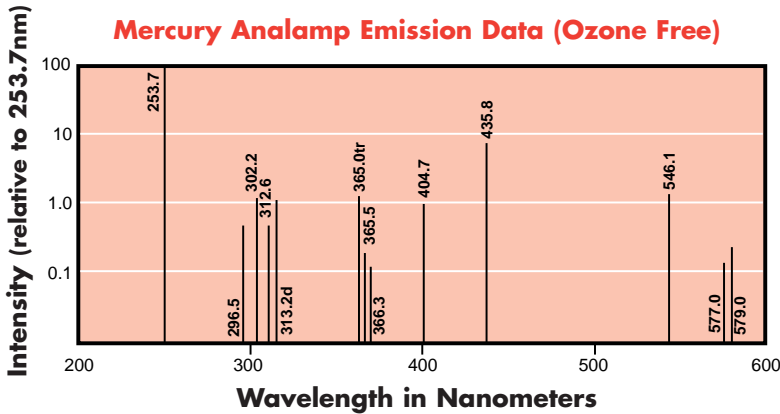
### Analamp Typical Life Data



### Light Output Vs. Current



### Mercury Analamp Emission Data (Ozone Free)



## Standard Lamps

	Part Number	Lamp Type	Maximum Start Volts (V RMS)	Maximum Oper volts (V RMS)	Primary Wavelength (nm)	Minimum Intensity @20 cm' (uW/cm²)	Phosphor Bandwidth (FWHM nm)	Min. 185 nm Intensity @20 cm (uW/cm²)	Lighted Length (Inches)	Cord+ Connector Length (Inches)
Mercury Lamps (Std & Synthetic Qtz)	80-1025-01	Mercury (Ozone Free)	900	240	254	27	N/A	N/A	1.0	17.5
	80-1025-01/285	Phosphor Coated (Ozone Free) <sup>2</sup>	900	240	285	0.23	32	N/A	1.0	17.5
	80-1057-01	Mercury (Ozone Free)	1050	320	254	60	N/A	N/A	2.0	17.5
	81-1025-01	Mercury (Ozone Producing)	900	240	254	30	N/A	16*	1.0	17.5
	81-1025-51	Mercury Synthetic Qtz (OZP)	900	240	254	33	N/A	24*	1.0	17.5
	81-1057-01	Mercury (Ozone Producing)	1050	320	254	66	N/A	30*	2.0	17.5
	81-1057-51	Mercury Synthetic Qtz (OZP)	1050	320	254	73	N/A	42*	2.0	17.5
Rare Gas Lamps	81-1057-18	Neon Gas	1050	320	640.5	N/A	N/A	N/A	2.0	17.5
	81-1057-21	Argon gas	950	370	764	N/A	N/A	N/A	2.0	17.5
	81-1057-23	Krypton Gas	1050	320	760	N/A	N/A	N/A	2.0	17.5
	81-1057-24	Xenon Gas	1200	320	823.7	N/A	N/A	N/A	2.0	17.5

NOTES: \* Measured in Argon

1. Operating on a BHK High Frequency Power Supply at 20mA at Primary Wavelength.
2. BHK offers a wide variety of Phosphor Coated Lamps. Please contact us for a full selection and technical information.

### WARRANTY

PHOSPHOR COATED LAMPS: 1 yr or 3500 hrs to half minimum intensity specification  
 NON-PHOSPHOR COATED LAMPS: 1 yr or 5000 hrs to half minimum intensity specification



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