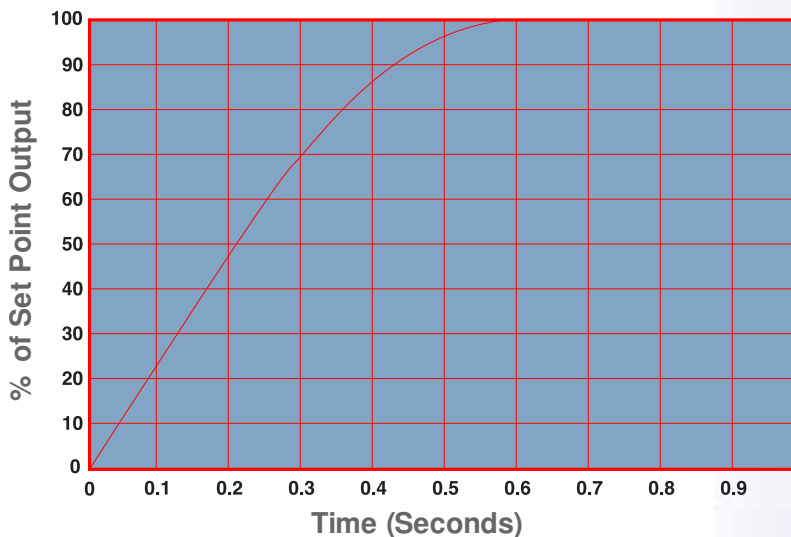


BHK's Lamp Manager® is an innovative product that provides instant, full light output from low pressure mercury Analamps at turn-on. Designed as a three part modular system, The Lamp Manager allows for maximum performance and flexibility.

The basic components consist of:

- **High Performance Power Supply (HPPS)** - ensures optimum lamp operating characteristics and maximum performance via high frequency driver. Simple user adjustable intensity allows for superior control over any other power supply system.
- **Temperature Controlled Lamp Housing Assembly (LHA)** - provides an ultra-stable operating environment within which the lamp is mounted. Custom configurations are available.
- **Electro Optical Feedback Control Module (EOM)** - allows the system to maintain constant light output over the life of the lamp via continuous data feedback to the High Performance Power Supply.

Lamp Turn-On Response (Lamp Block at 70 °C)



Features

- **Instant, Full Light Output for Analamp Mercury Lamps**
- **Ultra Stable-Typical Light Output Stability of 0.1%**
- **Continuous Lamp Monitoring via E/O Feedback**
- **Increase Lamp Life**
- **Internal E/O Feedback Control**
- **Solid State Power Supply**
- **High Frequency Lamp Driver**
- **Phosphored Lamps Available**
- **ISO 9001: 2008 Certified**

Applications

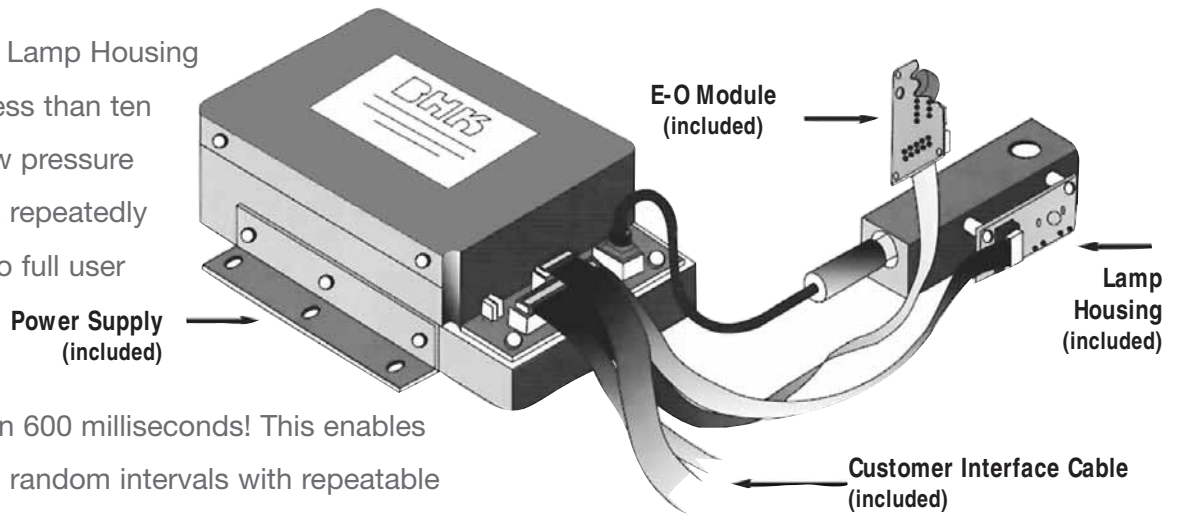
- **Spectrophotometers, Fluorometers, Mercury Analyzers**
- **HPLC Instruments**
- **Medical, Scientific and Analytical Instrumentation**
- **Ozone Generators and Monitors**
- **Custom OEM Applications**

Lamp Manager®

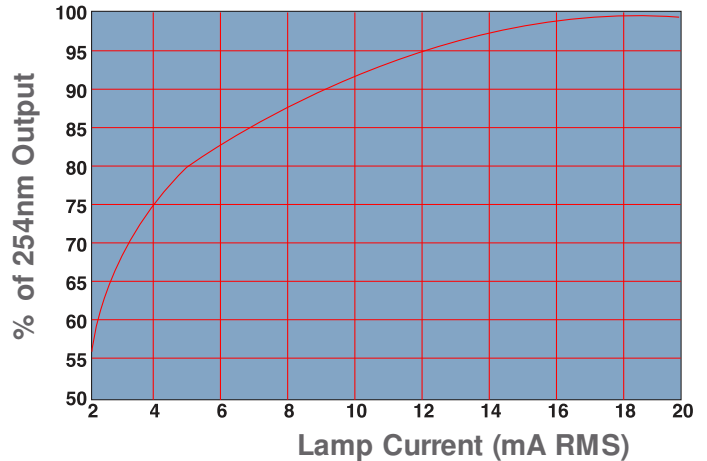
Following an initial Lamp Housing Warm up time of less than ten minutes, BHK's low pressure mercury Analamps repeatedly exhibit rise times to full user pre-set brightness and

stability in less than 600 milliseconds! This enables lamp shut down at random intervals with repeatable intensity levels, eliminating the need for continuous lamp operation.

Where maximum light output stability is required over extended periods, use of the Electro-Optical Feedback Control Module enables the user to achieve constant light output intensity to within +/- 0.1% of user specified pre-set levels. Call or fax BHK for more information today.



Typical Lamp 254nm Output (Lamp Temp 70 ° C)



System Specifications

Input Power Required	+24 VDC, @ 3 Amps
Output Voltage	>1200 V RMS, open circuit
Output Current	1.5 to 20 mA RMS, under load
Driver Frequency	27.5 KHz +/- 5%, under load
Lamp Housing Warm up Time	<10 minutes to 70° C when installed per operation manual
Lamp Turn-on Time	<600 milliseconds when installed in lamp housing, at 70° C
Lamp Housing Temp Adj	50° to 70°c
Light Output Stability	+/- 0.1% of light output intensity for 4 hours when using the E-O Module with a beam splitter

WARRANTY - 1 Year Parts and Labor on Power Supplies



More Than A Lamp Manufacturer

760 E. Sunkist Street • Ontario, CA • 91761 • 909-983-2973 • FAX 909-986-7891

© BHK Inc. 2/10