

## BPS2.0 Tungsten Halogen Light Source



The BPS2.0 is a low-cost high-performance constant current light source which uses a replacable tungsten halogen bulb rated for 2000 hours. This device uses a constant current setting which provides precision current control allowing for stable performance to be achieved.

A remote control port is provided on the rear for versatile remote On / Off modulation, operating current monitoring, and external operating current control. Slow ramp start is built into the source to ensure stability and long-life operation. The BPS2.0 features an SMA 905 connector for fiber coupling. No fiber alignment is necessary and is ideal for visible and near IR spectroscopic applications.

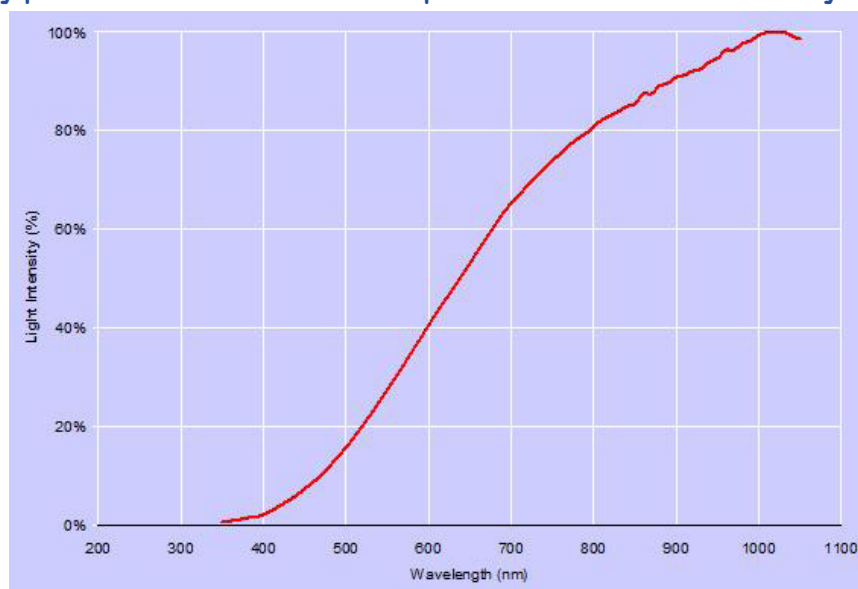
### Highlights:

- Spectral Range 350 to > 2600nm
- Compact and Light Weight
- Constant Current
- 2000 Hour Rating
- 2900 K Color Temperature
- Aux Port

### Applications:

- Transmission
- Absorption
- Reflectance
- Much more...

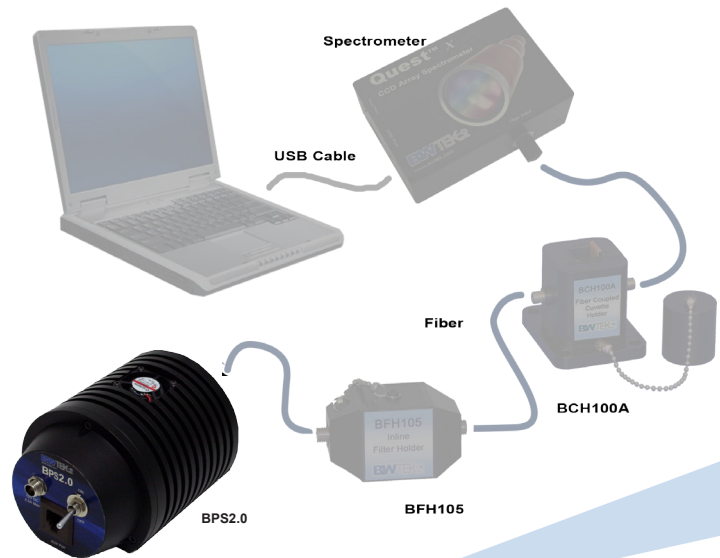
### Typical Relative Spectral Intensity:



## Specifications:

Light Source	Tungsten Halogen Lamp
Spectral Output Range	350 to > 2600nm
Color Temperature	2900 K
Lamp Ratings	12 V DC @ 2.5 A
Rated Life	2000 hours
Light Coupling	SMA 905
Modulation Port	4 pin RJ11 connector
Control Functions	Modulation, On/Off, Current Monitoring
Modulation Input	DC 0 - 1.25 V up to 1 KHz
Digital Modulation	TTL up to 100 KHz
Current Monitoring	DC Output 0 - 1 V corresponding to 0-1 A
Max Dimensions	120.5mm x 80mm x 67mm (L x W x H)
Weight	0.5 lbs
Relative Humidity	0 - 85% RH non condensing
Operating Temperature	0 to 40°C
AC Adapter Input	100 - 240 VAC 50/60 Hz
AC Adapter Output	12 V DC +/- 2.5% @ 2.5 Amps Max
Output Current Stability	+/- 0.1%

## Transmission / Absorption Experiment Setup



## Dimensions (mm):

