

Xenon Light Source

ATG1035

Features

- High Power Output: High power light source dedicated for fluorescence.
- UV-visible range: Covers the spectrum from 220-2200nm.
- Modular heat dissipation method extends the service life of the lamp, at least 1000H.
- Efficient electro-optical conversion efficiency can continuously output high-energy parallel light.
- Simple optical structure, adjustable light intensity output, and different wavelengths and bands can be selected to meet diverse use needs.
- The modular design greatly improves the safety and stability of the product.
- High energy density and long-term continuous irradiation can be achieved.
- Rich optional accessories and multi-purpose expansion.

Application

- Spectral application analysis
- Photocatalytic
- Photolysis of water to produce hydrogen
- Photochemical catalysis and synthesis
- Photodegradable pollutants
- Water pollution treatment
- Bolighting
- Optical detection
- Research fields such as various simulated sunlight, visible light and ultraviolet band accelerated experiments

Description

Most photochemical experiments require simulating sunlight. The ATG1035 xenon light source has a spectrum similar to sunlight, with an output wavelength range of 220~2200nm. ATG1035 xenon lamp system is a high optical power full-band light source with continuous wavelength distribution. Imported xenon bulbs and module heat dissipation technology are used to ensure concentrated and stable transmission of light energy. The high-efficiency coupling SMA905 interface output facilitates the effective use of light in experiments; a variety of optional accessories improve the convenience of experiments. Can load multiple specifications of filters, etc.

Model	Features
ATG1035-50	50W power xenon lamp
ATG1035-100	100W power xenon lamp
ATG1035-150	150W power xenon lamp



1. Typical spectrum of ATG1035

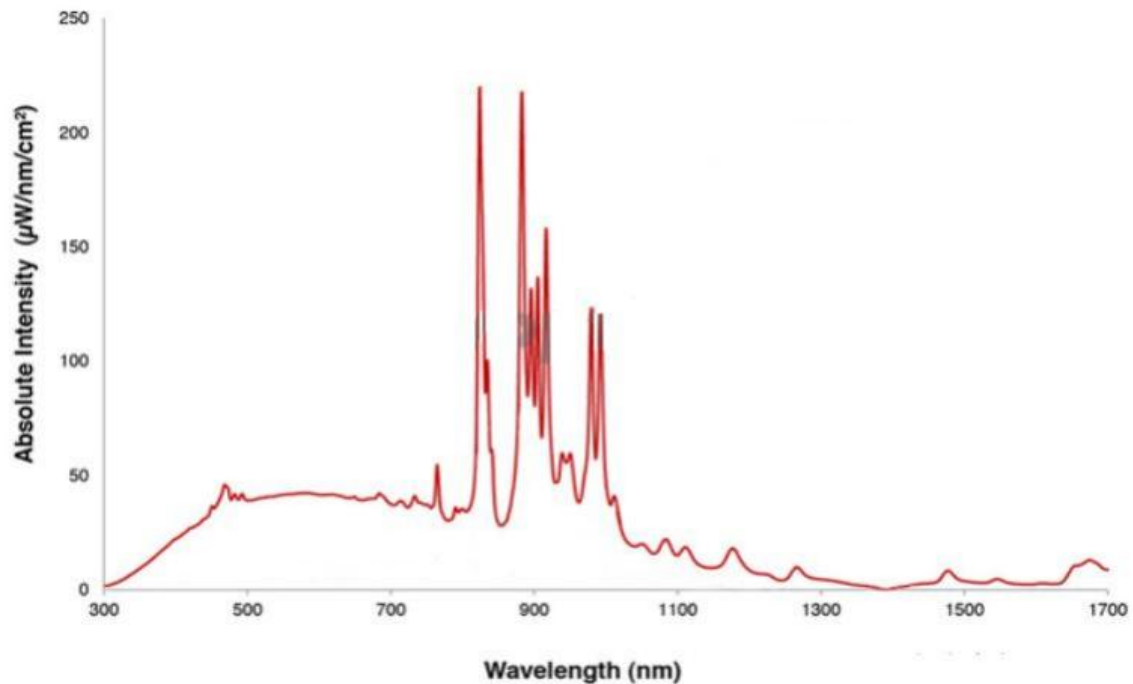


Figure ATG1035-50 spectrum.

2. Technical specifications of ATG1035

Name	High power continuous xenon light source		
Model	ATG1035-50	ATG1035-100	ATG1035-150
Xenon lamp power	50W	100W	150W
Wavelength range	200nm-2200nm	200nm-2200nm	200nm-2200nm
Bulb life	≥1000hrs	≥1000hrs	≥1000hrs
Output interface	SMA905	SMA905	SMA905
Dimension	120×220×325mm ³	120×220×325mm ³	120×220×325mm ³
Weight	4Kg	4.1Kg	4.2Kg
Input voltage	220V/50Hz		
Optional accessories	UV-resistant optical fiber, narrow-band filter, collimating lens		

3. Optional accessories

We recommend that you use Optosky anti-UV quartz fiber, especially when you need to use the band below 300nm. Since quartz also absorbs below 300nm, the quartz fiber needs to be UV aged. You can use our anti-UV series optical fiber, the length can be customized (0.3 m-1 m).



The monochromatic light can be output by using a narrow-band filter, and the wavelength range is from ultraviolet to near-infrared.



Collimating mirrors reduce the divergence of light in optical waveguides, resulting in uniform output. It can be applied to directional backlighting through clear outlines of objects. Each collimating lens is designed to provide uniform illumination by use with fiber optics. Collimator lens specifications can be customized, with spot sizes ranging from 1mm, 5mm, 10mm or larger.



4. Mechanical Dimensions

