

Xenon Light Source 300W

MAX-302

300W xenon light source - no transfer of heat

CE marked

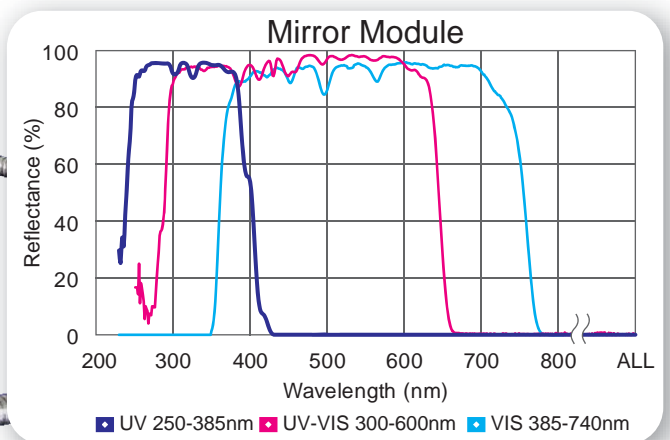


Features

- Perfect heat free design
- UV illumination (250-385nm)
- Filter wheel can hold 8 filters
- Continuous light control from 5 to 100%
- Built-in shutter

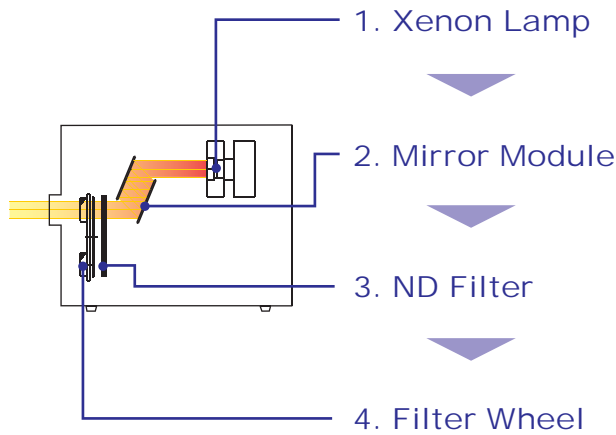
Applications

- Photocatalyst
- Photochromism
- Chemical Analysis
- Spectroscopy



Features

MAX-302



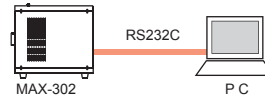
Panel Controls

User friendly menu and comprehensive display for easy unit operation and maintenance.



1. Exposure Time Set 0.5-9999999.9sec
2. Shutter Activation open/close
3. Filter position
4. Light Intensity Adjustment

*All of those features can be controlled remotely by using RS232C.

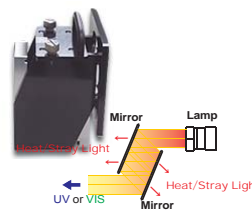


1. CERMAX Xenon Arc Lamp

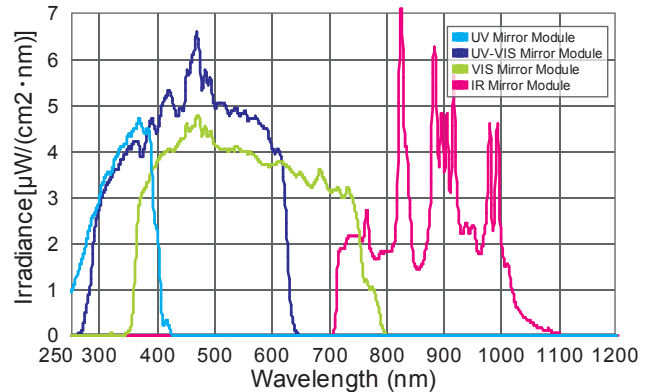
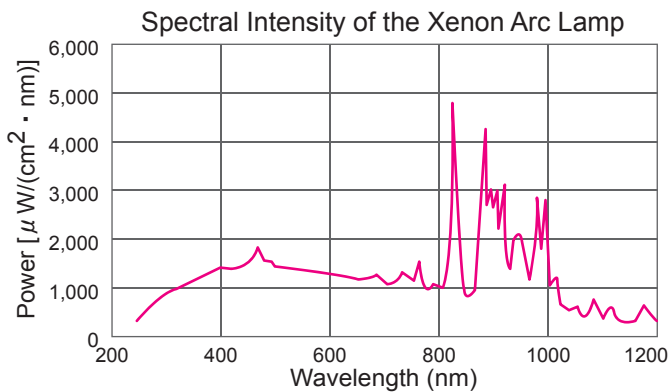


The xenon lamp efficiency is enhanced by the integral parabolic reflector and molded heat sink which serve maximum transition of light energy, color temperature of 5600 kelvin. The lamp replacement is easy and precision system alignment is not required.

2. Mirror Module



This sophisticated optical unit consists of several multi-coated filters to block unwanted energy from xenon lamp and only desired throughput is obtainable. The MAX-302 offers 2 types of mirror modules, UV and VIS types.



3. ND (Neutral Density) Filter

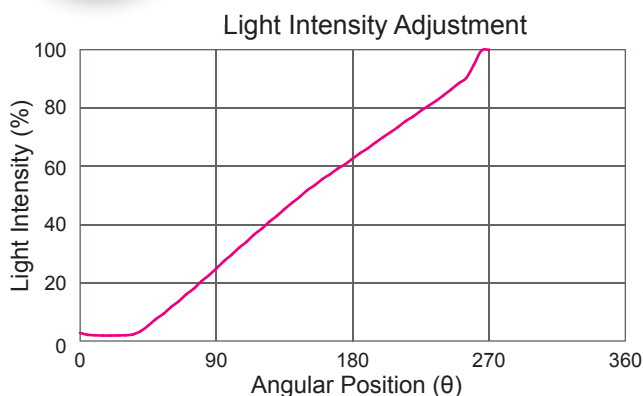


Built-in variable ND filter allows precise control of lamp intensity by 1% within the range of 5% to 100%. It is applicable for temperature care applications.

4. Filter Wheel

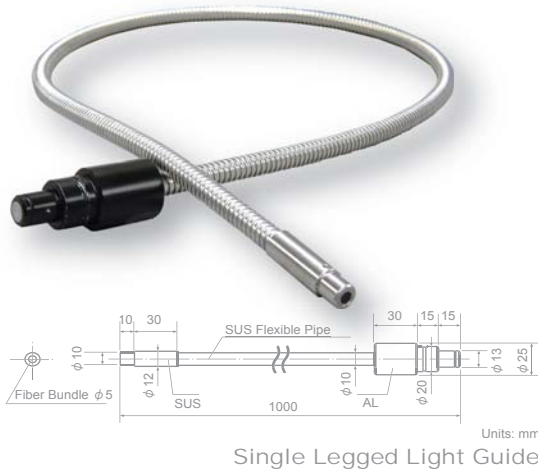


The filter wheel can hold up to the maximum of 8 filters (1 inch diameter). To customize spectrum output, wide varieties of optical filters, shortpass, longpass, and bandpass are available.

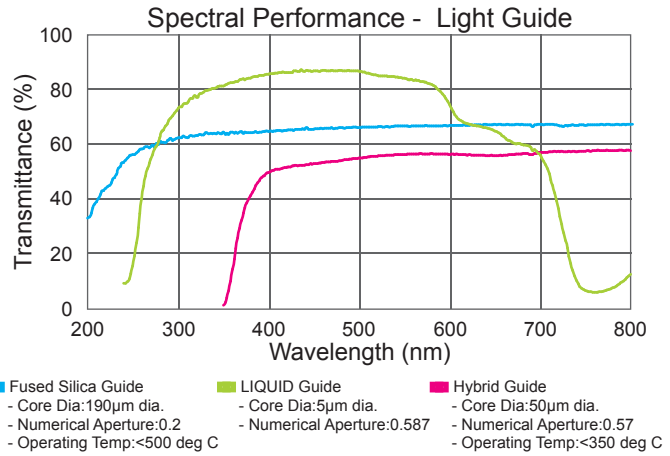


Options

Light Guide



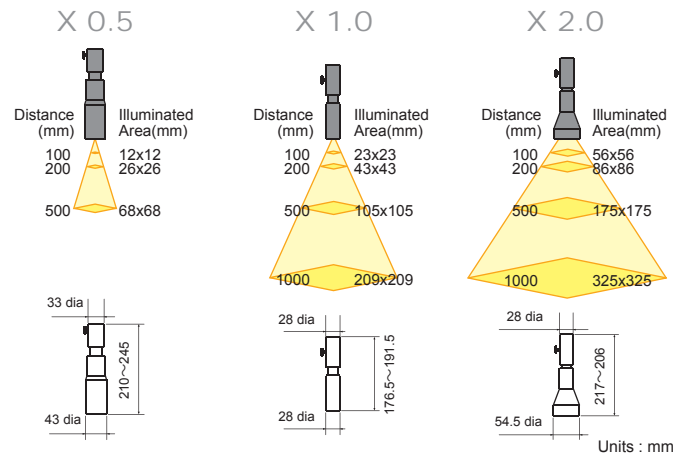
The illuminating light from the MAX-302 is delivered to the point of use by the light guide efficiently. We carry single legged light guides as well as multi-legged types for different your needs.



Collimating Lens



Collimating lense reduces the divergence of light from the light guide and provide uniform light output. It is suitable for directional backlighting which requires clear silhouette of an object.



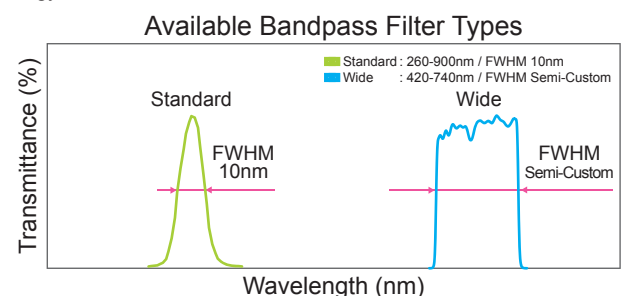
Optical Filters



Asahi Spectra produces varieties of precise optical filters to help modification of spectral output from the MAX-302. Along with the MAX-302 built-in features such as mirror module, variable ND filter, and shutter control, unique lighting environments for any applications are simply produced.

Bandpass Filter Series

Asahi Spectra bandpass filters are available for use with the MAX-302. They allow users to tailor the spectral throuput of the system to suit wide variety of applications more precisely while eliminating unwanted energy.



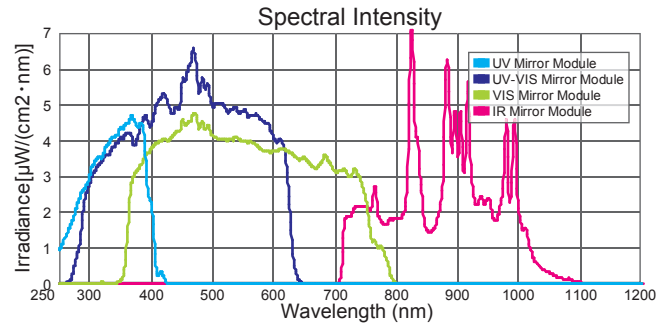
Specifications

Includes

- Lamp x 1
- Mirror Module x 1 *Chose UV or VIS
- Light Guide Adapter x 1
- AC Cable x 1
- Filter Fitting Tool x 1
- Instruction Manual x 1
- 1 year warranty (Excluding Lamp)



Possible Combinations



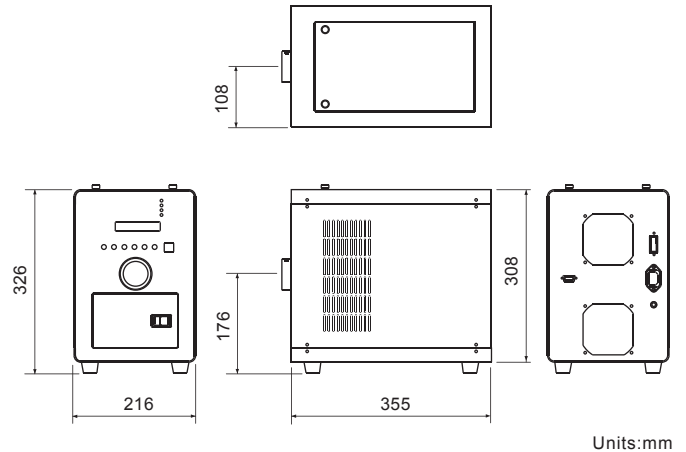
Obtainable Throughput Ranges

	Mirror Module	Spectral Output
MAX-302	UV	250 - 385nm
	UV - VIS	300 - 600nm
	VIS	385 - 740nm
	IR	750 - 1050nm

General Specifications

- Model :MAX-302
- Circuit method:Forward converter switching
- Input voltage :AC90 - 240V 50/60Hz
- Power consumption :500VA
- Consumption current :6A(Average)
- Lamp type :Xenon lamp 300W
- Lamp voltage :14V(DC)
- Lamp current :21A(DC)
- Lamp life :500h(Average)
- Lamp maintenance :Free alignment(Cartridge type)
- Cooling method :Forced cooling
- Shutter :Pulsed motor drive 80msec
- Exposure time set :0.5 - 99999.9sec
- Mirror module :UV-type, VIS-type
- Intensity adjustment :100 - 5%(Transmittance)
Continuously variable
- Filter wheel :8 holes *25mm dia/ t=6mm filter is usable
- Emitting method :With or whitout use of light guide
- Controller :Built-in
- Remote control :RS232C
- Recomended environment :Temperature 10 - 35 deg C
:Humidity 20 - 80%
- Dimensions :216(W) x 355(D) x 326(H)mm
- Weight :13kg

Dimensions



*We accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation.

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