

Xenon light application Photocatalyst Illuminator

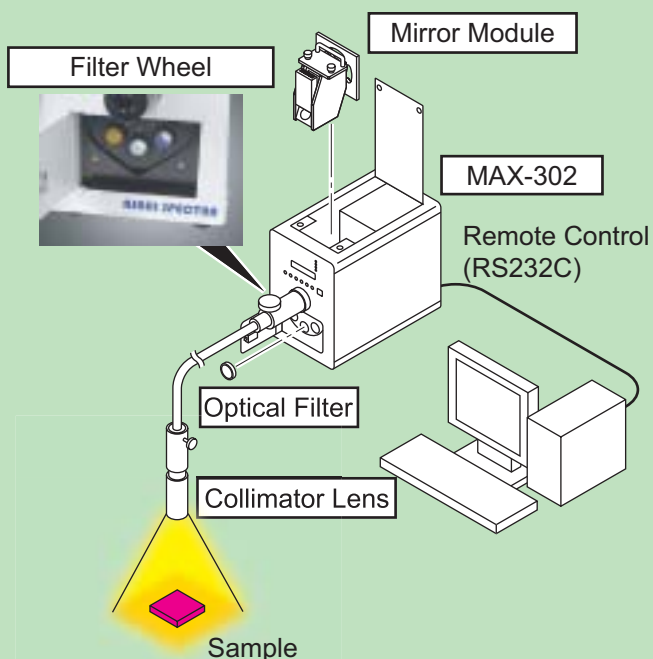
MAX-302

The powerful cold UV light excites and accelerates the photocatalyst reaction!

- Built-in mirror module effectinely eliminates most of heat.
- Embedded filter wheel enables to select any desirable wavelength (UV - VIS).



Example of measurement

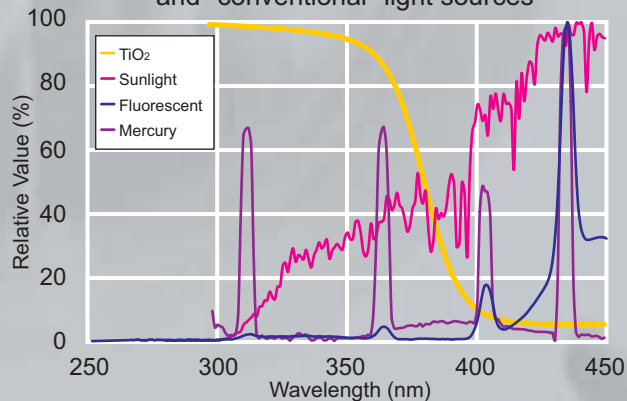


Component

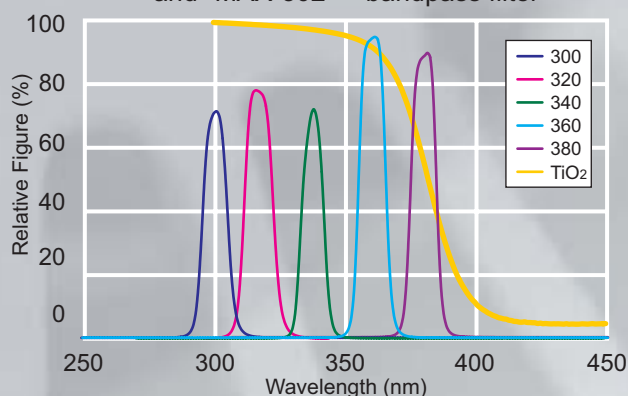
- Xenon light source MAX-302
- Light guide
- Collimator lens
- Mirror module (UV, VIS, UV-VIS)
- Narrow bandpass filter

Comperative Verification

Light absorbance of TiO₂ and "conventional" light sources

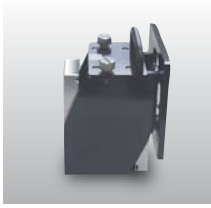


Light absorbance of TiO₂ and "MAX-302" + bandpass filter



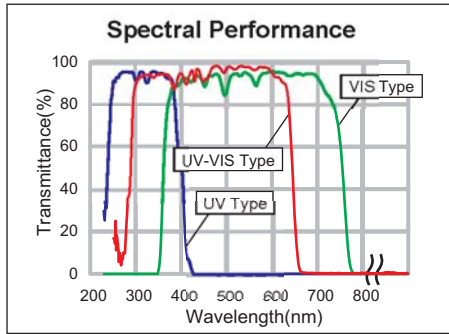
Optional Accessory

Mirror Module



Please use UV-type mirror module in case you use oxidized titanium in UV-activity, and please use VIS-type or UV-VIS-type mirror module in case you use VIS-activity.

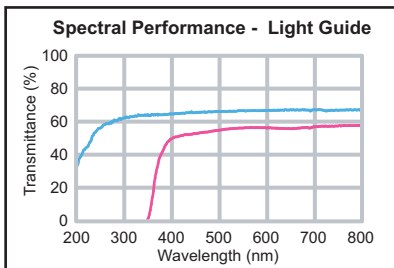
Type	Wavelength
UV	250 - 385nm
VIS	385 - 740nm
UV-VIS	300 - 600nm



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 your different needs.



Fused Silica Guide

- Core Dia:190 um dia.
- Numerical Aperture:0.2
- Operating Temp:<500 digC

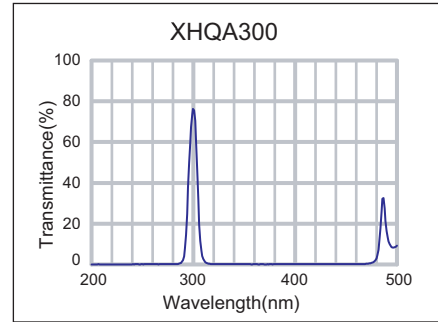
Hybrid Guide

- Core Dia:50 um dia.
- Numerical Aperture:0.57
- Operating Temp:<350 dig C

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.

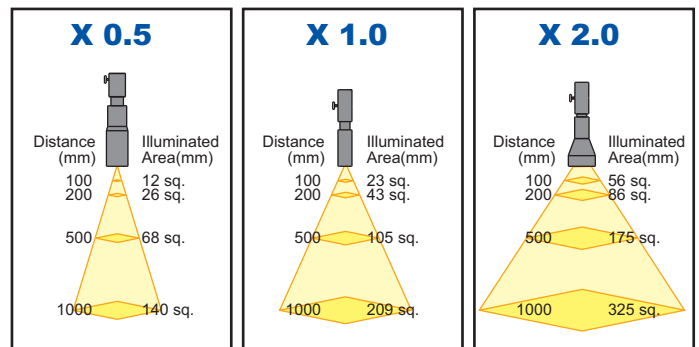


	Mirror Module		
	UV	VIS	UV-VIS
254nm } 300nm }	XHQA254 } XHQA390		XBPA300 } XBPA390 + XUS0500
400nm }		XBPA400 } XBPA700	XBPA400 } XBPA600
700nm			

Collimating Lens



Collimating lens 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.



*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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