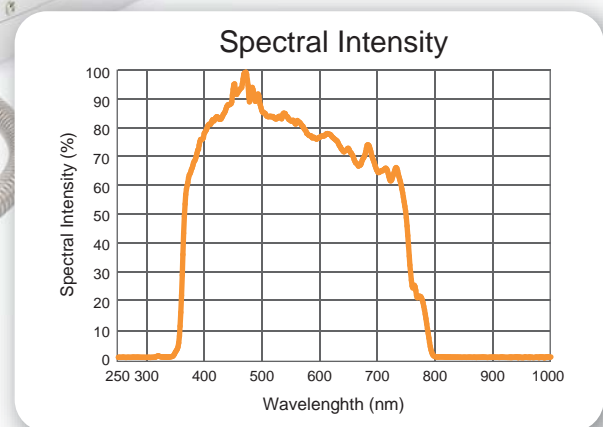


# Xenon Light Source 300W

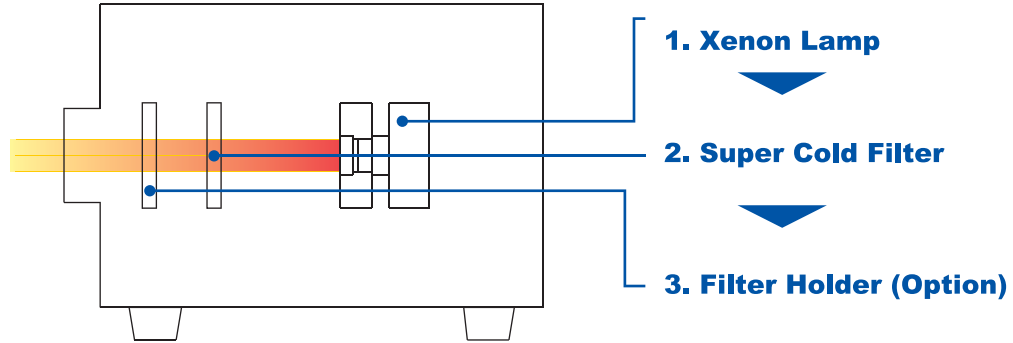
## MAX-F310

### Features

- Simple design & Bright illumination
- Perfect solution for the heat problem
- Power supply & Lamp box are separate
- Specific wavelength is obtainable with a filter
- Remotely controllable through RS232 cable

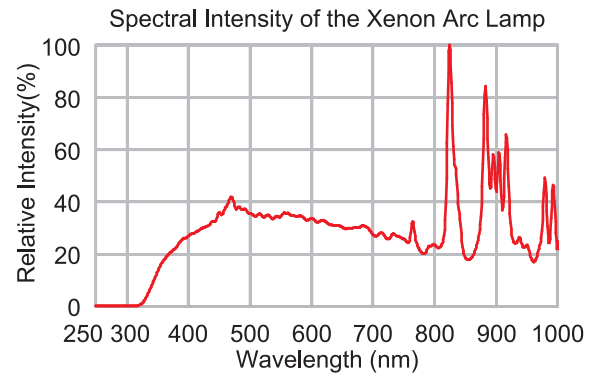


## MAX-F310



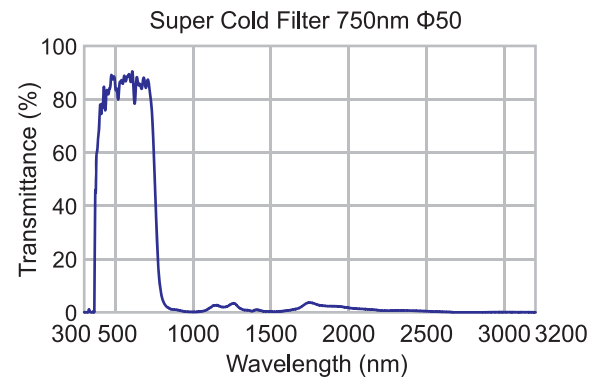
### 1. CERMAX Xenon Arc Lamp

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 the alignment of optical axis is not required.



### 2. Super Cold Filter

This is our original cold filter, made by IAD coating. It achieves an effective VIS transmission and a perfect block in the IR range which tends to be converted into heat.



### 3. Filter Holder (Option)



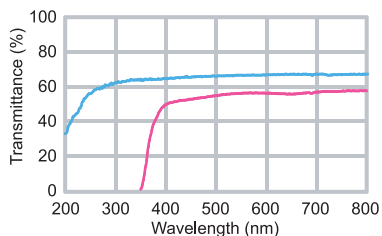
Additional filter can be mounted with this holder. The filter size is 50x50mm or 50mm dia.

## Light Guide

The illuminating light from the MAX-F310 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.



Spectral Performance - Light Guide



### Fused Silica Guide

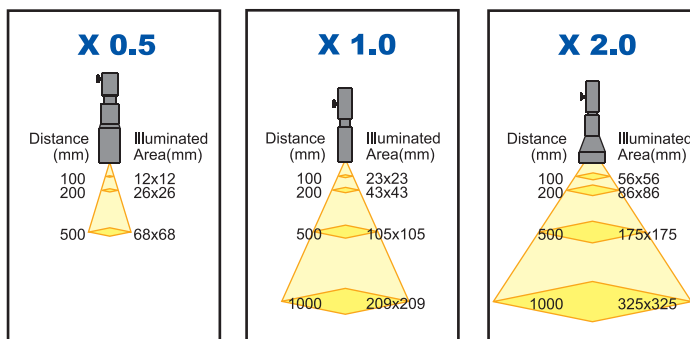
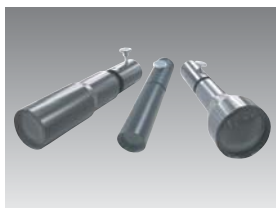
- Core Dia: 190  $\mu$  m dia.
- Numerical Aperture: 0.2
- Operating Temp: <350 deg C

### Hybrid Guide

- Core Dia: 50  $\mu$  m dia.
- Numerical Aperture: 0.57
- Operating Temp: <350 deg C

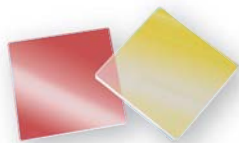
## Collimating Lens

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

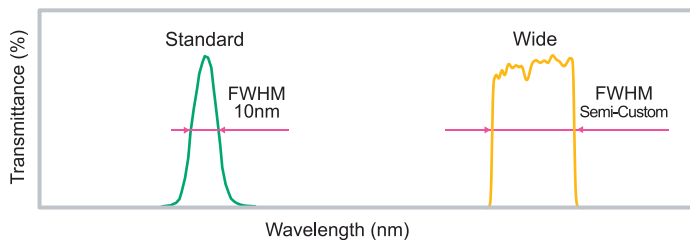


## Optical Filters

Asahi Spectra bandpass filters are available for use with the MAX-F310. They allow users to tailor the spectral throughput of the system to suit wide variety of applications more precisely while eliminating unwanted energy.



## Bandpass Filter Series



### Available Bandpass Filter Types

- Standard : 400-700nm / FWHM 10nm
- Wide : 420-740nm / FWHM Semi-Custom

## Shutter Controller



It enables you to control the shutter, on and off from the remote place.

\*Length of cable: 1.5m

# Specifications

## Includes

- Lamp Box
- Connector Cable (Lamp and Power Supply)
- Power Supply
- Power Supply AC Cable
- Instruction Manual
- 1 year warranty (Excluding Lamp)



## General Specifications

Model:MAX-F310

### \*Power Supply

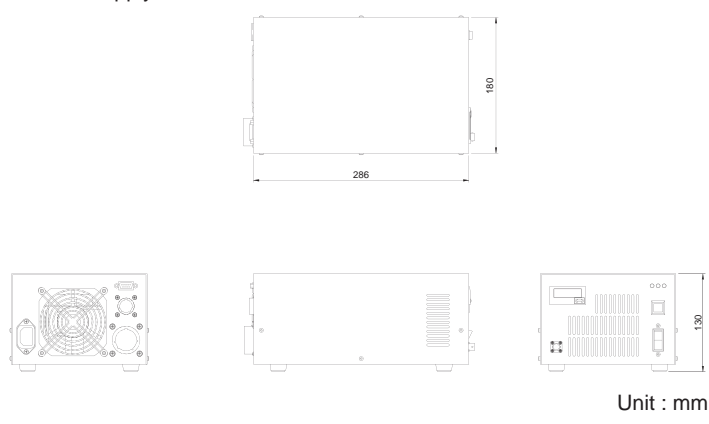
Circuit method:Forward converter switching  
Input voltage:AC100 - 240V 50/60Hz  
Power consumption:Less than 520VA at AC240V 50Hz  
Remote control:RS232C  
Cooling method:Forced cooling  
Dimensions:180(W) x 286(D) x 130(H)mm  
Weight:3.5kg

### \*Lamp Box

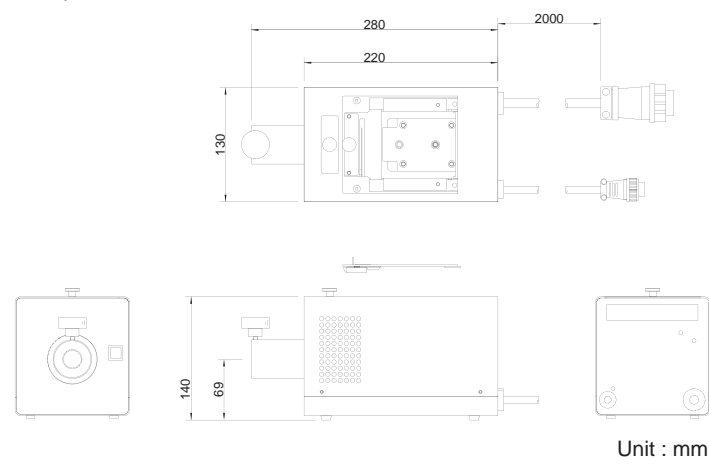
Lamp type:Xenon lamp 300W  
Lamp current:21A(DC)  
Lamp voltage:14V(DC)  
Lamp life:500h(Average)  
Cooling method:Forced cooling  
Shutter:Solenoid driving  
Lamp maintenance:Free alignment(Cartridge type)  
Dimensions:130(W) x 280(D) x 133(H)mm  
Weight:4.4kg

Recommended environment:Temperature 10 - 35 deg C  
:Humidity 20 - 80%

### \*Power Supply



### \*Lamp box



\*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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