

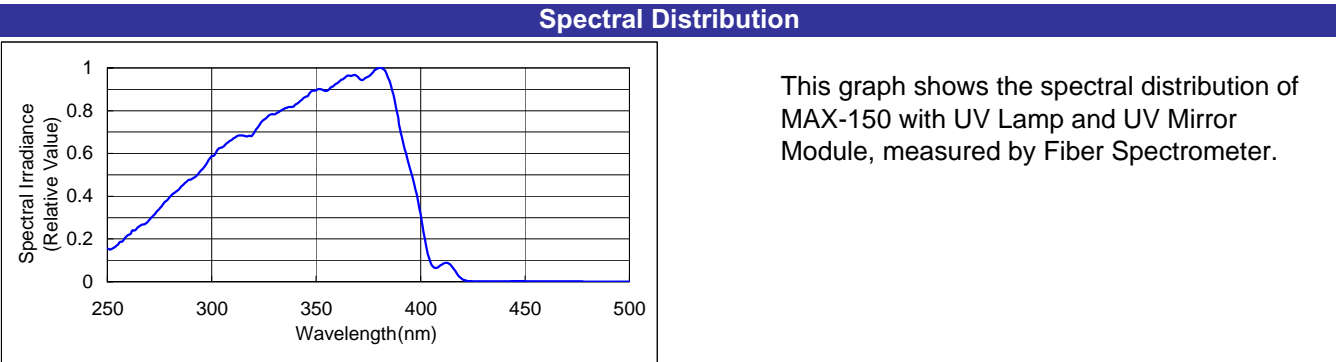
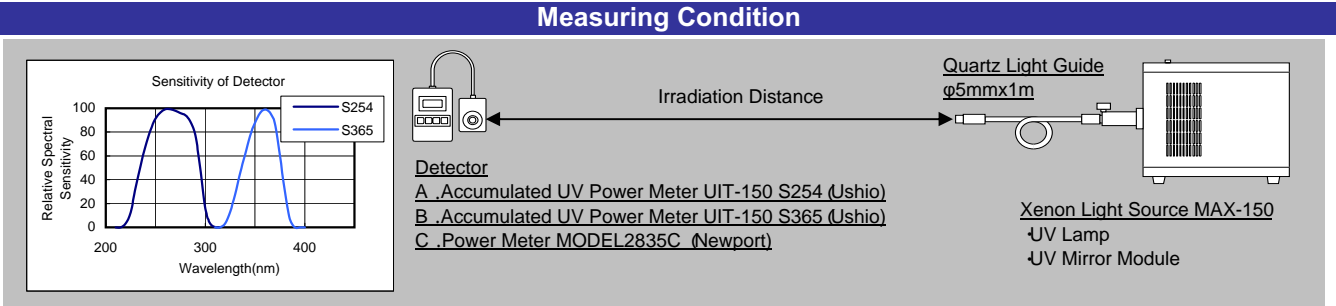
MAX-150 Xenon Light Source 150W Technical Information



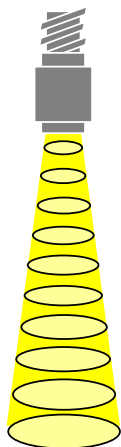
MAX-150

UV Light Guide (250-385nm) (Quartz)

*Please regard the following data as a reference.



Illuminated Area & Center Illuminance at Different Distance



Distance	Detector Filter Illuminated area	Irradiance(mW/cm ²)		Irradiance(mW/cm ²)		
		A	B	C		
		---	---	XHQA254	XHQA320	XHQA380
10mm	---	243.50	687.30	---	---	---
20mm	φ13mm	102.10	268.50	6.91	21.00	24.01
30mm	φ20mm	51.20	123.60	4.56	14.08	16.15
40mm	φ25mm	29.20	71.20	3.13	9.62	10.94
50mm	φ30mm	18.40	44.70	2.27	6.83	7.96
60mm	φ34mm	13.20	31.70	1.68	4.95	5.81
70mm	φ40mm	9.44	22.79	1.31	3.83	4.51
80mm	φ45mm	7.38	17.50	1.07	3.01	3.60
90mm	φ54mm	5.74	13.88	0.86	2.47	2.88
100mm	φ58mm	4.58	11.22	0.70	2.04	2.42

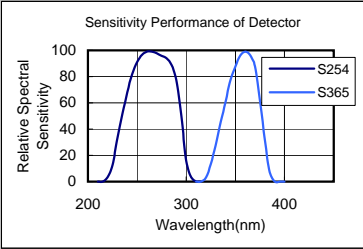
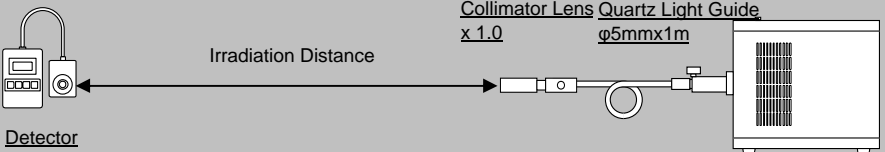
Reference for XHQA (Bandpass Filter)
http://www.asahi-spectra.com/opticalfilters/bandpass_filter.html

MAX-150

UV (250-385nm) **Light Guide (Quartz)** **Collimator Lens (x 1.0)**

*Please regard the following data as a reference.

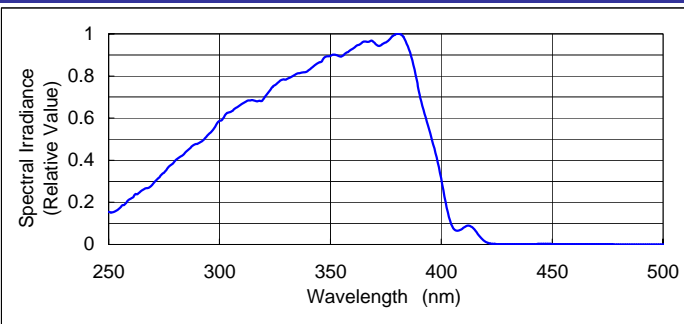
Measuring Condition

Detector
 A .Accumulated UV Power Meter UIT-150 S254 (Ushio)
 B .Accumulated UV Power Meter UIT-150 S365 (Ushio)
 C .Power Meter MODEL2835C (Newport)

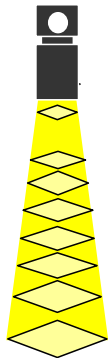
Xenon Light Source MAX-150
 UV Lamp
 UV Mirror Module

Spectral Distribution



This graph shows the spectral distribution of MAX-150 with UV Lamp and UV Mirror Module, measured by Fiber Spectrometer.

Illuminated Area & Center Illuminance at Different Distance



Distance	Detector Filter Illuminated area	Irradiance(mW/cm ²)		Irradiance(mW/cm ²)		
		A	B	C		
		---	---	XHQA254	XHQA320	XHQA380
80mm	19 x 19mm	13.65	30.16	1.68	4.97	7.06
100mm	23 x 23mm	9.32	22.47	1.20	3.56	4.87
200mm	44 x 44mm	2.65	6.34	0.38	1.21	1.49
300mm	65 x 65mm	1.22	2.92	0.19	0.61	0.72
400mm	85 x 85mm	0.70	1.68	0.11	0.35	0.43
500mm	105 x 105mm	0.42	1.07	0.75	0.23	0.28
600mm	125 x 125mm	0.29	0.74	0.53	0.16	0.20
1000mm	206 x 206mm	0.09	0.26	0.21	0.61	0.73

Reference for XHQA (Bandpass Filter)

http://www.asahi-spectra.com/opticalfilters/bandpass_filter.html

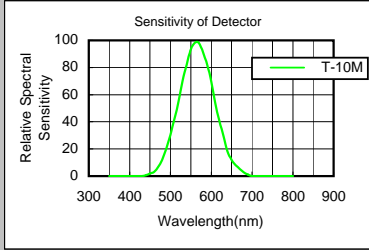
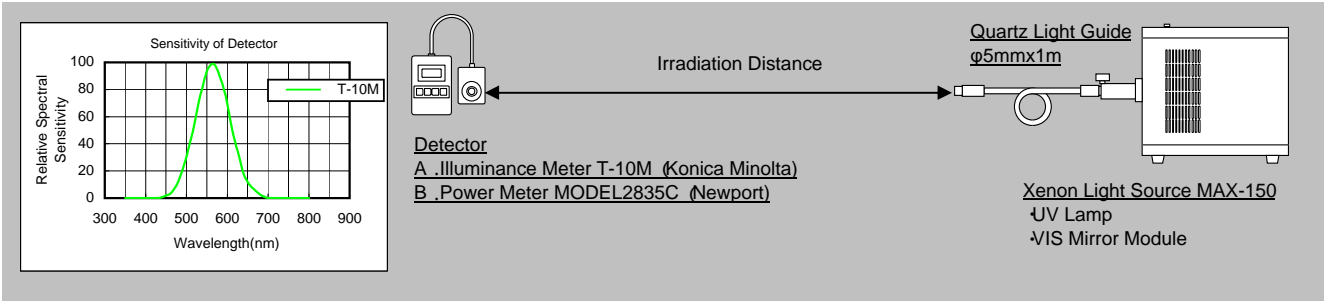
MAX-150

VIS
(385-740nm)

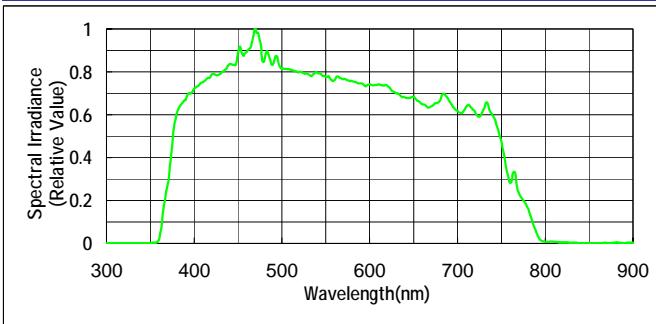
Light Guide
(Quartz)

*Please regard the following data as a reference.

Measuring Condition

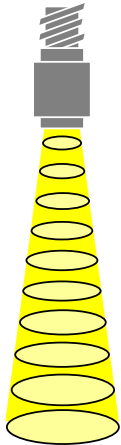


Spectral Distribution



This graph shows the spectral distribution of MAX-150 with UV Lamp and VIS Mirror Module, measured by Fiber Spectrometer.

Illuminated Area & Center Illuminance at Different Distance

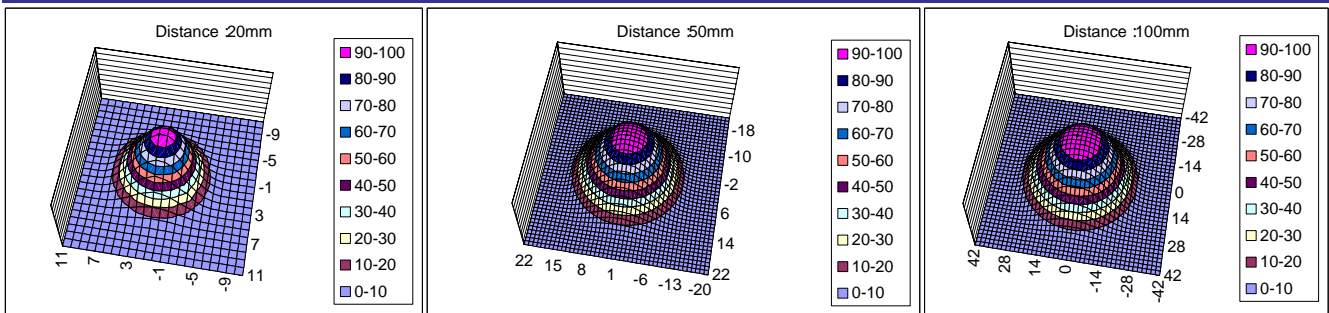


Distance	Detector Filter Illuminated area	Center Illuminance(lx)		Irradiance(mW/cm2)		
		A	B	XBPA400	XBPA550	XBPA700
		---	---			
10mm	---	5,513,000	---	---	---	
20mm	φ13mm	3,714,000	26.28	35.53	27.89	
30mm	φ20mm	2,310,000	18.01	25.13	19.21	
40mm	φ25mm	1,485,000	12.10	16.75	13.29	
50mm	φ30mm	1,022,000	8.59	11.76	9.25	
60mm	φ34mm	725,000	6.33	8.63	6.97	
70mm	φ40mm	552,000	4.11	6.62	5.25	
80mm	φ45mm	419,000	3.81	5.24	4.10	
90mm	φ54mm	336,000	3.05	4.23	3.33	
100mm	φ58mm	277,000	2.52	3.46	2.78	

Reference for XBPA (Bandpass Filter)

http://www.asahi-spectra.com/opticalfilters/bandpass_filter.html

Uniformity of Irradiation



MAX-150

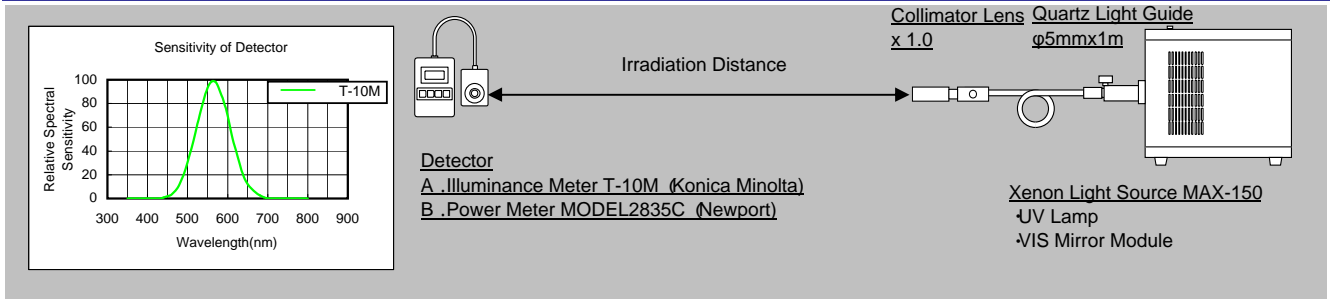
VIS
(385-740nm)

Light Guide
(Quartz)

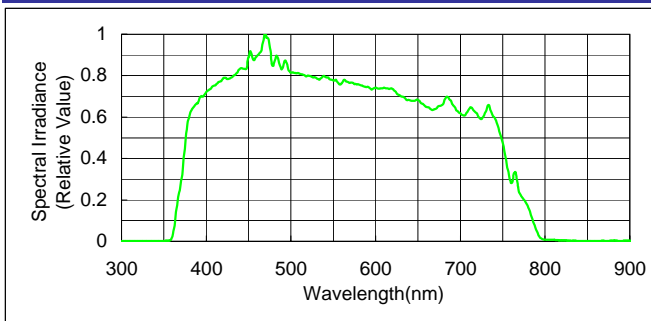
Collimator Lens
(x 1.0)

*Please regard the following data as a reference.

Measuring Condition

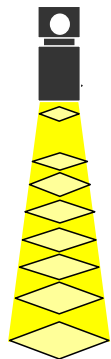


Spectral Distribution



This graph shows the spectral distribution of MAX-150 with UV Lamp and VIS Mirror Module, measured by Fiber Spectrometer.

Illuminated Area & Center Illuminance at Different Distance

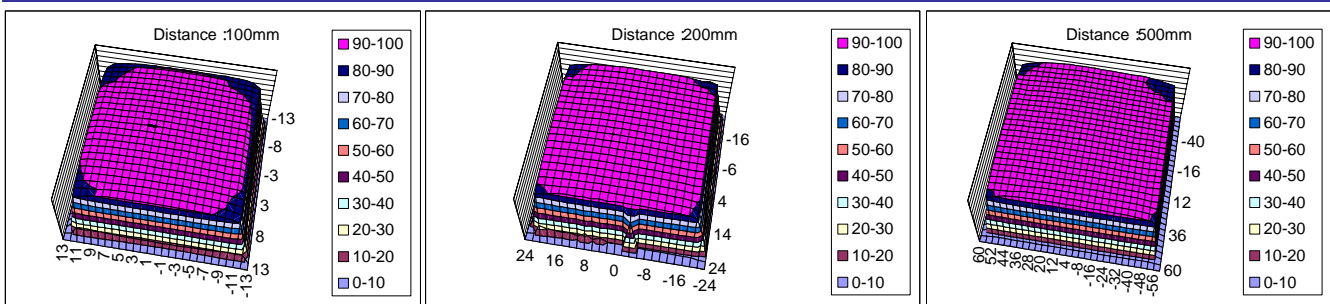


		Center Illuminance(lx)	Irradiance(mW/cm ²)		
Detector		A	B		
Distance	Filter Illuminated area	---	XBPA400	XBPA550	XBPA700
		80mm	19 x 19mm	830,000	7.30
100mm	23 x 23mm	577,000	4.99	4.65	5.29
200mm	43 x 43mm	165,000	1.47	1.37	1.54
300mm	64 x 64mm	76,800	0.69	0.65	0.73
400mm	85 x 85mm	44,400	0.40	0.38	0.43
500mm	105 x 105mm	29,000	0.26	0.25	0.28
600mm	127 x 127mm	20,400	0.18	0.17	0.20
1000mm	209 x 209mm	7,600	0.07	0.06	0.07

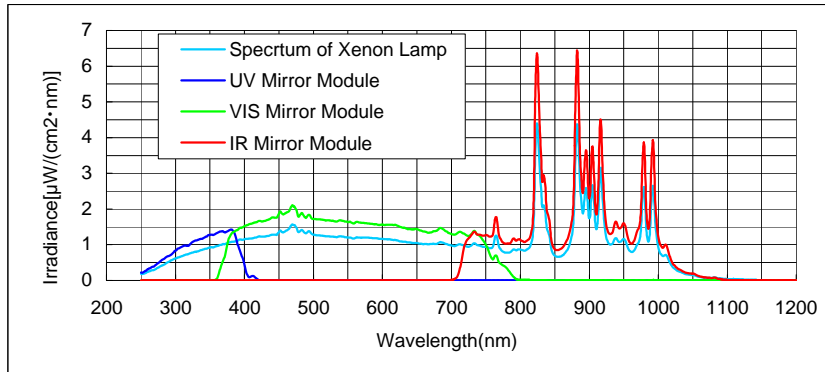
Reference for XBPA (Bandpass Filter)

http://www.asahi-spectra.com/opticalfilters/bandpass_filter.html

Uniformity of Irradiation

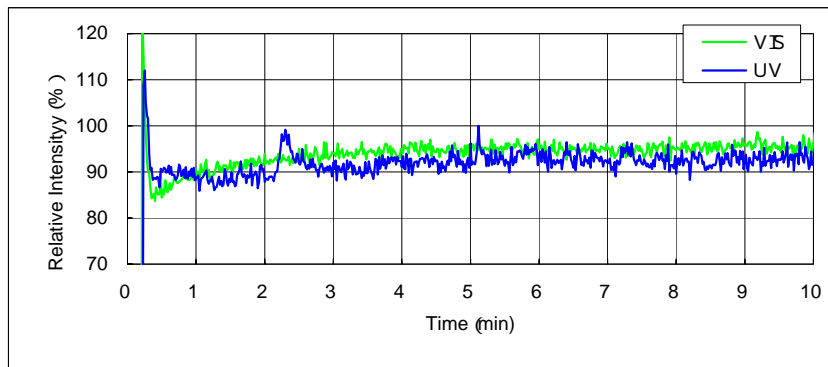


Comparison of Spectrum

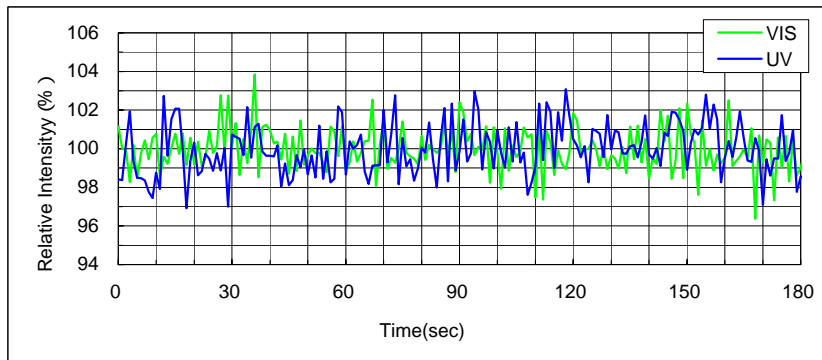


Note:
Irradiated Area: 400 x 400mm

Lamp Start-Up Characteristics



Lamp Fluctuation



*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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