

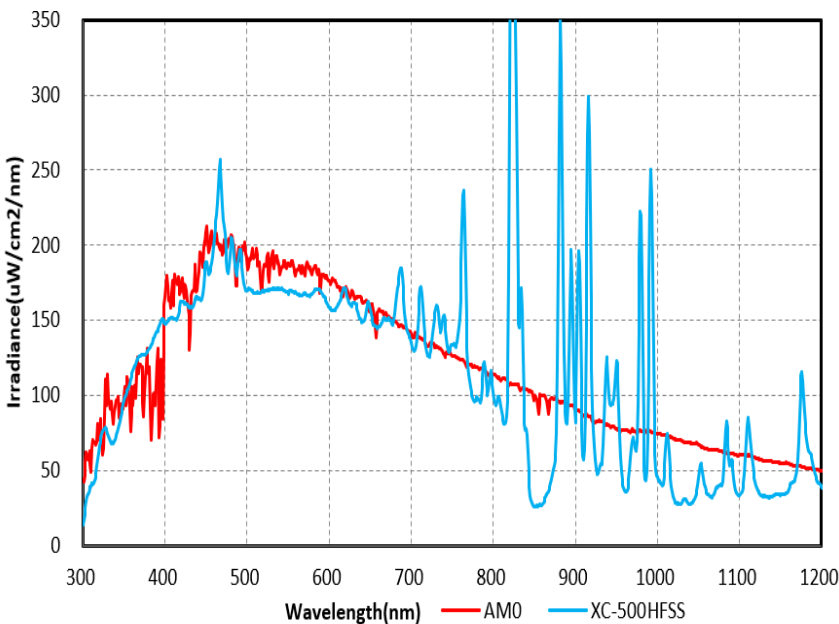


**The Artificial Solar Illumination Lamps  
XELIOS has finally reached space!!  
“Space Solar Illumination Lamps”**

- Light that highly approximates the spectral characteristics of sunlight in space (AM0) is irradiated. (ISO 15387 compatible)
- Solar irradiance of  $1367\text{W}/\text{m}^2$  in space (AM0) is achieved !
- Evaluation of solar cells, cameras, sensors, etc. for small satellites can be carried out in an environment close to space!!

## Features

- ✓ High uniformity is realized!!  
Unevenness of irradiance for  $\phi 100\text{mm}$  is within  $\pm 10\%$ ..
- ✓ Light that approximates the spectral distribution of sunlight in space! (ISO 15387 compatible)
- ✓ Solar irradiance of  $1367\text{W}/\text{m}^2$  in space is realized.
- ✓ No setup is required by engineers.  
Maintenance-free!
- ✓ By changing the filter, it is also possible to reproduce sunlight reaching the earth's surface (AM1.5).
- ✓ There is a dimming volume.  
(variable range of irradiance: 60-100%)



Tripod stand  
ST-C03P

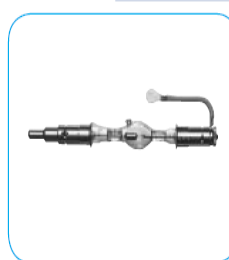


Power supply  
separately mounted



Power supply  
Integrally mounted

Ceiling flange  
FC-30L



Spare lamp  
SET-500F



Filter with  
frame



• 100V type power cord  
CP2-100 (With A type plug)  
• 200V type power cord  
CP0-200(Without plug)

## Specification Examples

Model	XG-500HFSS
Input Power	AC100V about 9A AC200V about 5A
Lamp	500W Xenon lamp
Average Lamp lifetime	About 1500hours (Continuous lighting condition)
Effective Irradiation Area	$\phi 100\text{mm}$
Irradiating Distance	About 500mm
Center Irradiance	$1367\text{W}/\text{m}^2$ *The measuring device is a secondary reference solar cell. The calibration value at AM1.5G is multiplied by 1.367 to obtain the AM0 reference irradiance.
Variable Range of Irradiance	60 -100% (Maximum irradiance is 100%)
Operating Temperature Range	-10 ~ 30°C
Operating Humidity Range	10~90%
Main Uses Examples	<ul style="list-style-type: none"> <li>• Simple evaluation of solar cell for satellites</li> <li>• Image evaluation of camera</li> <li>• Operation test of infrared sensors</li> <li>• Performance evaluation of attitude control system for satellites</li> <li>• Light resistance test of satellite parts</li> <li>• Temperature rise and heat shielding test of materials</li> <li>• Tests of various chemical reaction reproduction caused by sunlight in space.</li> </ul>

■ Maker



Special Manufacturer of sunlight  
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